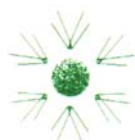COMMITTENTE:

ISTITUTO ONCOLOGICO "GIOVANNI PAOLO II"

ISTITUTO DI RICOVERO E CURA A CARATTERE SCIENTIFICO

INTERVENTO:

Lavori di realizzazione di una Biobanca istituzionale presso la sede dell'I.R.C.C.S. Oncologico di Bari "Giovanni Paolo II".

RESPONSABILE UNICO DEL PROCEDIMENTO:

Ing. Giancarlo Salomone
Direttore Area Tecnica
c/o Istituto Tumori "Giovanni Paolo II"

DIRETTORE SCIENTIFICO:

Dott. Angelo Paradiso
c/o Istituto Tumori "Giovanni Paolo II"

PROGETTAZIONE:

R.T.P. (Raggruppamento temporaneo di professionisti)

Ing. Claudio Carbonara (Capogruppo mandatario)
Ing. Vincenzo Carbonara (mandante)
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OGGETTO DELLA TAVOLA:

TABULATI DI CALCOLO

AGGIORNAMENTI:	SERIE ELABORATI:	LIVELLO:	DATA:	TAVOLA N:
	☐ architettura	☐ preliminare	Maggio 2011	G 02.04.01
	☐ strutture	☐ definitivo	SCALA:	
	☐ impianti	☐ esecutivo		

1 TABULATI DI CALCOLO

1.1 Verifiche piastre e pareti C.A.

nod.	*nodo del modello FEM*
sez.	*tipo di sezione (o = orizzontale, v = verticale)*
B	*base della sezione*
H	*altezza della sezione*
Af+	*area di acciaio dal lato B (inferiore per le piastre))*
Af-	*area di acciaio dal lato A (superiore per le piastre))*
c+	*copriferro dal lato B (inferiore per le piastre))*
c-	*copriferro dal lato A (superiore per le piastre))*
sc	*tensione sul calcestruzzo in esercizio*
comb ; c	*combinazione di carico*
c.s.	*coefficiente di sicurezza*
N	*sforzo normale di calcolo*
M	*momento flettente di calcolo*
Mu	*momento flettente ultimo*
Nu	*sforzo normale ultimo*
sf	*tensione sull'acciaio in esercizio*
Wk	*apertura caratteristica delle fessure*
Sm	*distanza media fra le fessure*
st	*sigma a trazione nel calcestruzzo in condizioni non fessurate*
fck	*resistenza caratteristica cilindrica del calcestruzzo*
fcd	*resistenza a compressione di calcolo del calcestruzzo*
fctd	*resistenza a trazione di calcolo del calcestruzzo*
Hcr	*altezza critica*
q.Hcr	**quota della sezione alla altezza critica*
hw	*altezza della parete*
lw	*lunghezza della parete*
n.p.	*numero di piani*
hs	*altezza dell'interpiano*
Mxd	*momento di progetto attorno all'asse x (fuori piano)*
Myd	*momento di progetto attorno all'asse y (nel piano)*
NEd	*sforzo normale di progetto*
MEd	*Momento flettente di progetto di progetto*
VEd	*sforzo di taglio di progetto*
Ngrav.	*sforzo normale dovuto ai carichi gravitazionali*
NReale.	*sforzo normale derivante dall'analisi*
VRcd	*resistenza a taglio dovuta alle bielle di calcestruzzo*
epsilon	*coefficiente di maggiorazione del taglio derivante dall'analisi*
alfaS	*MEd/(VEd*lw) formula 7.4.15*
At	*area tesa di acciaio*
roh	*rapporto tra area della sezione orizzotale dell'armatura di anima e l'area della sezione di calcestruzzo*
rov	*rapporto tra area della sezione verticale dell'armatura di anima e l'area della sezione di calcestruzzo*
VRsd	*resistenza a taglio della sezione con armature*
Somma(Asj)- Ai	*somma delle aree delle barre verticali che attraversano la superficie di scorrimento*
csi	*altezza della parte compressa normalizzata all'altezza della sezione*
Vdd	*contributo dell'effetto spinotto delle armature verticali*
Vfd	*contributo della resistenza per attrito*
Vid	*contributo delle armature inclinate presenti alla base*
VRd,s	*valore di progetto della resistenza a taglio nei confronti dello scorrimento*
l	*luce netta della trave di collegamento*
h	*altezza della trave di collegamento*
b	*spessore della trave di collegamento*
d	*altezza utile della trave di collegamento*
Asi	*area complessiva della armatura a X*
M,plast	*momenti resistenti della trave a filo appoggio*
T,plast	*sforzi di taglio nella trave derivanti da gerarchia delle resistenze*

1.1.1 *Parete1-3 a "Intradosso trave coll cop - Copertura" montacarichi*

```
Parete fra le coordinate in pianta (332;9) (-2;9)
da quota 215 a quota 430
Valori in daN, cm
C25/30: rck 300
fyk 4500



Verifica di stato limite ultimo
   nod sez   B   H   Af+   Af-   c+   c-    c.s.     comb        N        M       Nu       Mu
```

```
 257   o 100  22   5.7  5.7  5.3  5.3   84.812   32 SLU      494      307    41865   -26029
       v  50  22   1.7  1.7  4.1  4.1    3.862   32 SLU     3136    -3297    12110    12734
 258   o  61  22   3.4  3.4  5.3  5.3   61.389    2 SLU      290    -1493    17816    91648
       v  50  22   2.3  2.3  4.1  4.1    3.594   32 SLU     2059   -28306     7402   101739
 301   o 100  22   5.7  5.7  5.3  5.3    7.013   39 SLU    -2400    74423   -16829  -521925
       v  50  22   2.3  2.3  4.1  4.1   88.030   39 SLU     -849     6035   -74708  -531306
```

```
Combinazione rara
 nod sez   B   H   Af+  Af-  c+   c-    sc  c       N        M       sf  c        N        M Wk(mm)  st
Sm(mm)  c
 257   o 100  22   5.7  5.7  5.3  5.3   -0.2  8 -4.35E02  4.21E02   33.5 10  3.50E02  1.62E02   0.00  0.2
0.0  1
       v  50  22   1.7  1.7  4.1  4.1    0.0  1  6.70E01-4.70E-01  722.7 10  2.13E03 -2.19E03   0.00  2.4
0.0  1
 258   o  61  22   3.4  3.4  5.3  5.3   -1.2  8 -1.31E03  1.56E03  -11.3  8 -1.31E03  1.56E03   0.00  0.0
0.0  1
       v  50  22   2.3  2.3  4.1  4.1  -10.1 10  1.42E03 -1.89E04  850.9 10  1.42E03 -1.89E04   0.00  5.8
0.0  1
 301   o 100  22   5.7  5.7  5.3  5.3  -14.5 17 -1.67E03  5.12E04  430.3 17 -1.67E03  5.12E04   0.00  5.4
0.0  1
       v  50  22   2.3  2.3  4.1  4.1   -1.7 17 -6.23E02  4.13E03    6.7 17 -6.23E02  4.13E03   0.00  0.4
0.0  1
```

```
Combinazione frequente
 nod sez   B   H   Af+  Af-  c+   c-    sc  c       N        M       sf  c        N        M Wk(mm)  st
Sm(mm)  c
 257   o 100  22   5.7  5.7  5.3  5.3   -0.2  8 -3.66E02  3.79E02   24.2 11  2.48E02 -1.45E02   0.00  0.1
0.0  1
       v  50  22   1.7  1.7  4.1  4.1    0.0  1  6.70E01-4.70E-01  404.2 10  1.21E03 -1.10E03   0.00  1.3
0.0  1
 258   o  61  22   3.4  3.4  5.3  5.3   -1.0  8 -1.11E03  1.40E03   -9.4  8 -1.11E03  1.40E03   0.00  0.0
0.0  1
       v  50  22   2.3  2.3  4.1  4.1   -4.8 10  8.84E02 -9.44E03  467.2 10  8.84E02 -9.44E03   0.00  3.0
0.0  1
 301   o 100  22   5.7  5.7  5.3  5.3   -8.8 17 -1.11E03  3.12E04  254.7 17 -1.11E03  3.12E04   0.00  3.3
0.0  1
       v  50  22   2.3  2.3  4.1  4.1   -1.1 18 -6.28E02  2.40E03   -4.4  3 -4.97E02  9.32E02   0.00  0.1
0.0  1
```

```
Combinazione quasi permanente
 nod sez   B   H   Af+  Af-  c+   c-    sc  c       N        M       sf  c        N        M Wk(mm)  st
Sm(mm)  c
 257   o 100  22   5.7  5.7  5.3  5.3   -0.2  8 -3.39E02  3.62E02   22.8 12  2.20E02 -2.12E02   0.00  0.1
0.0  1
       v  50  22   1.7  1.7  4.1  4.1    0.0  1  6.70E01-4.70E-01  338.6 11  1.05E03 -6.48E02   0.00  1.1
0.0  1
 258   o  61  22   3.4  3.4  5.3  5.3   -1.0  8 -1.02E03  1.34E03   -8.6  8 -1.02E03  1.34E03   0.00  0.0
0.0  1
       v  50  22   2.3  2.3  4.1  4.1   -3.1 11  7.10E02 -6.34E03  342.5 11  7.10E02 -6.34E03   0.00  2.2
0.0  1
 301   o 100  22   5.7  5.7  5.3  5.3   -6.6 11 -8.91E02  2.38E04  189.3 11 -8.91E02  2.38E04   0.00  2.5
0.0  1
       v  50  22   2.3  2.3  4.1  4.1   -0.9 12 -5.70E02  1.82E03   -4.1  3 -4.84E02  9.52E02   0.00  0.0
0.0  1
```

1.1.2 *Parete 1-2 montacarichi*

```
Parete fra le coordinate in pianta (9;-2) (9;282)
da quota -540 a quota 430
```

TABULATI DI CALCOLO

```
Valori in daN, cm
C25/30: rck 300
fyk 4500
```

Verifica di stato limite ultimo

nod	sez	B	H	Af+	Af-	c+	c-	c.s.	comb	N	M	Nu	Mu
103	o	100	22	5.7	5.7	5.3	5.3	16.236	6 SLU	-5539	58305	-89936	-946637
	v	100	22	4.5	4.5	4.1	4.1	4.103	28 SLU	1103	71347	4525	-292769
183	o	61	22	3.4	3.4	5.3	5.3	8.176	15 SLV	-1892	42790	-15466	-349834
	v	100	22	4.5	4.5	4.1	4.1	11.179	33 SLU	411	-26144	4589	292256
205	o	100	22	5.7	5.7	5.3	5.3	12.783	4 SLU	-4070	58333	-52021	-745656
	v	100	22	4.5	4.5	4.1	4.1	4.027	34 SLU	1330	70952	5355	-285727

Combinazione rara

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	st	Sm(mm)	c
103	o	100	22	5.7	5.7	5.3	5.3	-8.1	6	-5.39E03	3.83E04	-39.4	10	-7.73E03	-1.05E04	0.00	2.3	0.0	1
	v	100	22	4.5	4.5	4.1	4.1	-13.6	14	5.14E02	4.82E04	726.1	6	7.17E02	4.77E04	0.00	6.0	0.0	1
183	o	61	22	3.4	3.4	5.3	5.3	-15.7	10	-4.61E03	-4.19E04	176.6	2	-3.89E03	-3.82E04	0.00	5.0	0.0	1
	v	100	22	4.5	4.5	4.1	4.1	-5.0	12	2.41E02	-1.78E04	268.6	11	2.81E02	-1.75E04	0.00	2.2	0.0	1
205	o	100	22	5.7	5.7	5.3	5.3	-9.1	4	-3.89E03	3.87E04	111.4	4	-3.89E03	3.87E04	0.00	3.0	0.0	1
	v	100	22	4.5	4.5	4.1	4.1	-13.5	12	1.32E02	4.79E04	741.0	12	8.89E02	4.73E04	0.00	6.1	0.0	1

Combinazione frequente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	st	Sm(mm)	c
103	o	100	22	5.7	5.7	5.3	5.3	-4.3	6	-5.23E03	1.83E04	-35.0	10	-6.39E03	-6.07E03	0.00	0.0	0.0	1
	v	100	22	4.5	4.5	4.1	4.1	-6.9	14	2.04E02	2.46E04	362.7	6	2.90E02	2.44E04	0.00	3.1	0.0	1
183	o	61	22	3.4	3.4	5.3	5.3	-7.2	10	-3.80E03	-2.14E04	-36.8	8	-3.77E03	-1.57E03	0.00	1.5	0.0	1
	v	100	22	4.5	4.5	4.1	4.1	-2.5	12	1.47E02	-9.03E03	139.3	11	1.68E02	-8.89E03	0.00	1.1	0.0	1
205	o	100	22	5.7	5.7	5.3	5.3	-3.9	4	-3.71E03	1.91E04	-25.7	8	-4.16E03	-6.78E02	0.00	0.7	0.0	1
	v	100	22	4.5	4.5	4.1	4.1	-6.7	12	8.65E01	2.40E04	371.4	12	4.53E02	2.36E04	0.00	3.0	0.0	1

Combinazione quasi permanente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	st	Sm(mm)	c
103	o	100	22	5.7	5.7	5.3	5.3	-3.4	6	-5.17E03	1.02E04	-33.3	11	-5.89E03	-4.48E03	0.00	0.0	0.0	1
	v	100	22	4.5	4.5	4.1	4.1	-4.3	15	3.30E01	1.53E04	217.3	6	1.20E02	1.51E04	0.00	1.9	0.0	1
183	o	61	22	3.4	3.4	5.3	5.3	-5.2	11	-3.64E03	-1.41E04	-34.0	8	-3.49E03	-1.54E03	0.00	0.2	0.0	1
	v	100	22	4.5	4.5	4.1	4.1	-1.7	13	1.17E02	-6.08E03	95.9	12	1.29E02	-5.99E03	0.00	0.8	0.0	1
205	o	100	22	5.7	5.7	5.3	5.3	-2.9	13	-3.81E03	1.10E04	-24.2	8	-3.90E03	-6.21E02	0.00	0.0	0.0	1
	v	100	22	4.5	4.5	4.1	4.1	-4.1	13	6.62E01	1.45E04	224.5	13	2.75E02	1.43E04	0.00	1.8		

TABULATI DI CALCOLO

```
0.0  1

Verifica dei pannelli

Pannello : Pannello da Filo 1 a Filo 2

Sezione a quota -500
Coordinate dei vertici
      X        Y
   -2.0     11.0
  282.0     11.0
  282.0    -11.0
  282.0    -51.9
  260.0    -51.9
  260.0    -11.0
   20.0    -11.0
   20.0    -51.9
   -2.0    -51.9
   -2.0    -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	1.5	5.7	12
21.5	5.7	12	41.5	5.7	12	61.5	5.7	12	81.5	5.7	12	101.5	5.7	12
121.5	5.7	12	141.5	5.7	12	161.5	5.7	12	181.5	5.7	12	201.5	5.7	12
221.5	5.7	12	241.5	5.7	12	261.5	5.7	12	2.9	-5.7	12	2.9	5.7	12
17.9	-5.7	12	17.9	5.7	12	32.9	-5.7	12	32.9	5.7	12	47.9	-5.7	12
47.9	5.7	12	277.1	-5.7	12	277.1	5.7	12	262.1	-5.7	12	262.1	5.7	12
247.1	-5.7	12	247.1	5.7	12	232.1	-5.7	12	232.1	5.7	12			

```
Sezione a quota -421
Coordinate dei vertici
      X        Y
   -2.0     11.0
  282.0     11.0
  282.0    -11.0
  282.0   -131.4
  260.0   -131.4
  260.0    -11.0
   20.0    -11.0
   20.0   -131.4
   -2.0   -131.4
   -2.0    -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	1.5	5.7	12
21.5	5.7	12	41.5	5.7	12	61.5	5.7	12	81.5	5.7	12	101.5	5.7	12
121.5	5.7	12	141.5	5.7	12	161.5	5.7	12	181.5	5.7	12	201.5	5.7	12
221.5	5.7	12	241.5	5.7	12	261.5	5.7	12	2.9	-5.7	12	2.9	5.7	12
17.9	-5.7	12	17.9	5.7	12	32.9	-5.7	12	32.9	5.7	12	47.9	-5.7	12
47.9	5.7	12	277.1	-5.7	12	277.1	5.7	12	262.1	-5.7	12	262.1	5.7	12
247.1	-5.7	12	247.1	5.7	12	232.1	-5.7	12	232.1	5.7	12			

```
Sezione a quota -341
Coordinate dei vertici
```

```
     X      Y
  -2.0   11.0
 282.0   11.0
 282.0  -11.0
 282.0 -156.0
 260.0 -156.0
 260.0  -11.0
  20.0  -11.0
  20.0 -156.0
  -2.0 -156.0
  -2.0  -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	1.5	5.7	12
21.5	5.7	12	41.5	5.7	12	61.5	5.7	12	81.5	5.7	12	101.5	5.7	12
121.5	5.7	12	141.5	5.7	12	161.5	5.7	12	181.5	5.7	12	201.5	5.7	12
221.5	5.7	12	241.5	5.7	12	261.5	5.7	12	2.9	-5.7	12	2.9	5.7	12
17.9	-5.7	12	17.9	5.7	12	32.9	-5.7	12	32.9	5.7	12	47.9	-5.7	12
47.9	5.7	12	277.1	-5.7	12	277.1	5.7	12	262.1	-5.7	12	262.1	5.7	12
247.1	-5.7	12	247.1	5.7	12	232.1	-5.7	12	232.1	5.7	12			

Sezione a quota -339
Coordinate dei vertici

```
     X      Y
  -2.0   11.0
 282.0   11.0
 282.0  -11.0
 282.0 -156.0
 260.0 -156.0
 260.0  -11.0
  -2.0  -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	1.5	5.7	12
21.5	5.7	12	41.5	5.7	12	61.5	5.7	12	81.5	5.7	12	101.5	5.7	12
121.5	5.7	12	141.5	5.7	12	161.5	5.7	12	181.5	5.7	12	201.5	5.7	12
221.5	5.7	12	241.5	5.7	12	261.5	5.7	12	2.9	-5.7	12	2.9	5.7	12
17.9	-5.7	12	17.9	5.7	12	32.9	-5.7	12	32.9	5.7	12	47.9	-5.7	12
47.9	5.7	12	277.1	-5.7	12	277.1	5.7	12	262.1	-5.7	12	262.1	5.7	12
247.1	-5.7	12	247.1	5.7	12	232.1	-5.7	12	232.1	5.7	12			

Sezione a quota -230
Coordinate dei vertici

```
     X      Y
  -2.0   11.0
 282.0   11.0
 282.0  -11.0
 282.0 -156.0
 260.0 -156.0
 260.0  -11.0
  -2.0  -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø

```
   1.5    -5.7   12     21.5   -5.7   12     41.5   -5.7   12     61.5   -5.7   12     81.5   -5.7   12
 101.5    -5.7   12    121.5   -5.7   12    141.5   -5.7   12    161.5   -5.7   12    181.5   -5.7   12
 201.5    -5.7   12    221.5   -5.7   12    241.5   -5.7   12    261.5   -5.7   12      1.5    5.7   12
  21.5     5.7   12     41.5    5.7   12     61.5    5.7   12     81.5    5.7   12    101.5    5.7   12
 121.5     5.7   12    141.5    5.7   12    161.5    5.7   12    181.5    5.7   12    201.5    5.7   12
 221.5     5.7   12    241.5    5.7   12    261.5    5.7   12
```

Sezione a quota -121
Coordinate dei vertici
```
     X       Y
  -2.0    11.0
 282.0    11.0
 282.0   -11.0
 282.0  -137.8
 260.0  -137.8
 260.0   -11.0
  -2.0   -11.0
```

Armature verticali
```
     X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø
   1.5    -5.7   12     21.5   -5.7   12     41.5   -5.7   12     61.5   -5.7   12     81.5   -5.7   12
 101.5    -5.7   12    121.5   -5.7   12    141.5   -5.7   12    161.5   -5.7   12    181.5   -5.7   12
 201.5    -5.7   12    221.5   -5.7   12    241.5   -5.7   12    261.5   -5.7   12      1.5    5.7   12
  21.5     5.7   12     41.5    5.7   12     61.5    5.7   12     81.5    5.7   12    101.5    5.7   12
 121.5     5.7   12    141.5    5.7   12    161.5    5.7   12    181.5    5.7   12    201.5    5.7   12
 221.5     5.7   12    241.5    5.7   12    261.5    5.7   12
```

Sezione a quota -119
Coordinate dei vertici
```
     X       Y
  -2.0    11.0
 282.0    11.0
 282.0   -11.0
 282.0  -137.3
 260.0  -137.3
 260.0   -11.0
  20.0   -11.0
  20.0  -137.3
  -2.0  -137.3
  -2.0   -11.0
```

Armature verticali
```
     X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø
   1.5    -5.7   12     21.5   -5.7   12     41.5   -5.7   12     61.5   -5.7   12     81.5   -5.7   12
 101.5    -5.7   12    121.5   -5.7   12    141.5   -5.7   12    161.5   -5.7   12    181.5   -5.7   12
 201.5    -5.7   12    221.5   -5.7   12    241.5   -5.7   12    261.5   -5.7   12      1.5    5.7   12
  21.5     5.7   12     41.5    5.7   12     61.5    5.7   12     81.5    5.7   12    101.5    5.7   12
 121.5     5.7   12    141.5    5.7   12    161.5    5.7   12    181.5    5.7   12    201.5    5.7   12
 221.5     5.7   12    241.5    5.7   12    261.5    5.7   12
```

Sezione a quota -60
Coordinate dei vertici
```
     X       Y
  -2.0    11.0
 282.0    11.0
 282.0   -11.0
 282.0  -122.5
 260.0  -122.5
 260.0   -11.0
  20.0   -11.0
```

```
 20.0  -122.5
 -2.0  -122.5
 -2.0   -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	1.5	5.7	12
21.5	5.7	12	41.5	5.7	12	61.5	5.7	12	81.5	5.7	12	101.5	5.7	12
121.5	5.7	12	141.5	5.7	12	161.5	5.7	12	181.5	5.7	12	201.5	5.7	12
221.5	5.7	12	241.5	5.7	12	261.5	5.7	12						

Sezione a quota -1
Coordinate dei vertici

X	Y
-2.0	11.0
282.0	11.0
282.0	-11.0
282.0	-107.8
260.0	-107.8
260.0	-11.0
20.0	-11.0
20.0	-107.8
-2.0	-107.8
-2.0	-11.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	1.5	5.7	12
21.5	5.7	12	41.5	5.7	12	61.5	5.7	12	81.5	5.7	12	101.5	5.7	12
121.5	5.7	12	141.5	5.7	12	161.5	5.7	12	181.5	5.7	12	201.5	5.7	12
221.5	5.7	12	241.5	5.7	12	261.5	5.7	12						

Sezione a quota 1
Coordinate dei vertici

X	Y
-2.0	11.0
282.0	11.0
282.0	-11.0
282.0	-107.3
260.0	-107.3
260.0	-11.0
-2.0	-11.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	1.5	5.7	12
21.5	5.7	12	41.5	5.7	12	61.5	5.7	12	81.5	5.7	12	101.5	5.7	12
121.5	5.7	12	141.5	5.7	12	161.5	5.7	12	181.5	5.7	12	201.5	5.7	12
221.5	5.7	12	241.5	5.7	12	261.5	5.7	12						

Sezione a quota 108
Coordinate dei vertici

X	Y
-2.0	11.0

```
  282.0    11.0
  282.0   -11.0
  282.0   -80.6
  260.0   -80.6
  260.0   -11.0
   -2.0   -11.0
```

Armature verticali

```
      X       Y      ø       X       Y      ø       X       Y      ø       X       Y      ø       X       Y      ø
    1.5    -5.7     12    21.5    -5.7     12    41.5    -5.7     12    61.5    -5.7     12    81.5    -5.7     12
  101.5    -5.7     12   121.5    -5.7     12   141.5    -5.7     12   161.5    -5.7     12   181.5    -5.7     12
  201.5    -5.7     12   221.5    -5.7     12   241.5    -5.7     12   261.5    -5.7     12     1.5     5.7     12
   21.5     5.7     12    41.5     5.7     12    61.5     5.7     12    81.5     5.7     12   101.5     5.7     12
  121.5     5.7     12   141.5     5.7     12   161.5     5.7     12   181.5     5.7     12   201.5     5.7     12
  221.5     5.7     12   241.5     5.7     12   261.5     5.7     12
```

Sezione a quota 214
Coordinate dei vertici

```
      X       Y
   -2.0    11.0
  282.0    11.0
  282.0   -11.0
  282.0   -54.0
  260.0   -54.0
  260.0   -11.0
   -2.0   -11.0
```

Armature verticali

```
      X       Y      ø       X       Y      ø       X       Y      ø       X       Y      ø       X       Y      ø
    1.5    -5.7     12    21.5    -5.7     12    41.5    -5.7     12    61.5    -5.7     12    81.5    -5.7     12
  101.5    -5.7     12   121.5    -5.7     12   141.5    -5.7     12   161.5    -5.7     12   181.5    -5.7     12
  201.5    -5.7     12   221.5    -5.7     12   241.5    -5.7     12   261.5    -5.7     12     1.5     5.7     12
   21.5     5.7     12    41.5     5.7     12    61.5     5.7     12    81.5     5.7     12   101.5     5.7     12
  121.5     5.7     12   141.5     5.7     12   161.5     5.7     12   181.5     5.7     12   201.5     5.7     12
  221.5     5.7     12   241.5     5.7     12   261.5     5.7     12
```

Sezione a quota 216
Coordinate dei vertici

```
      X       Y
   -2.0    11.0
  282.0    11.0
  282.0   -11.0
  282.0   -53.5
  260.0   -53.5
  260.0   -11.0
   20.0   -11.0
   20.0   -53.5
   -2.0   -53.5
   -2.0   -11.0
```

Armature verticali

```
      X       Y      ø       X       Y      ø       X       Y      ø       X       Y      ø       X       Y      ø
    1.5    -5.7     12    21.5    -5.7     12    41.5    -5.7     12    61.5    -5.7     12    81.5    -5.7     12
  101.5    -5.7     12   121.5    -5.7     12   141.5    -5.7     12   161.5    -5.7     12   181.5    -5.7     12
  201.5    -5.7     12   221.5    -5.7     12   241.5    -5.7     12   261.5    -5.7     12     1.5     5.7     12
   21.5     5.7     12    41.5     5.7     12    61.5     5.7     12    81.5     5.7     12   101.5     5.7     12
  121.5     5.7     12   141.5     5.7     12   161.5     5.7     12   181.5     5.7     12   201.5     5.7     12
  221.5     5.7     12   241.5     5.7     12   261.5     5.7     12
```

Sezione a quota 313

Coordinate dei vertici

X	Y
-2.0	11.0
282.0	11.0
282.0	-11.0
282.0	-29.3
260.0	-29.3
260.0	-11.0
20.0	-11.0
20.0	-29.3
-2.0	-29.3
-2.0	-11.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	1.5	5.7	12
21.5	5.7	12	41.5	5.7	12	61.5	5.7	12	81.5	5.7	12	101.5	5.7	12
121.5	5.7	12	141.5	5.7	12	161.5	5.7	12	181.5	5.7	12	201.5	5.7	12
221.5	5.7	12	241.5	5.7	12	261.5	5.7	12						

Sezione a quota 410
Coordinate dei vertici

X	Y
-2.0	-11.0
-2.0	11.0
282.0	11.0
282.0	-11.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	1.5	5.7	12
21.5	5.7	12	41.5	5.7	12	61.5	5.7	12	81.5	5.7	12	101.5	5.7	12
121.5	5.7	12	141.5	5.7	12	161.5	5.7	12	181.5	5.7	12	201.5	5.7	12
221.5	5.7	12	241.5	5.7	12	261.5	5.7	12						

fcd	fctd	Hcr	q.Hcr	hw	lw	n.p.	hs
141	12	244	-308	982	284	5	192

Verifica a pressoflessione

quota	Mxd	Myd	Ned	Ngrav.	NReale	c.s.	comb
-500	-135615	-97934	-29440	-29440	-29440	37.4666	24 SLU
-500	-103063	38493	-28678	-13654	-21851	38.4623	1 SLV
-421	20675	458490	-30138	-30138	-30138	21.4290	32 SLU
-421	4737	696063	-26880	-14644	-19558	23.9576	5 SLV
-341	91256	391148	-28305	-28305	-28305	10.7334	32 SLU
-341	74596	206593	-27763	-13235	-21145	12.8268	1 SLV
-339	106996	749859	-32139	-32139	-32139	9.7805	32 SLU
-339	89019	512722	-31081	-15775	-23193	11.4947	1 SLV
-230	1663	694725	-29409	-29409	-29409	27.4640	32 SLU
-230	-1409	837477	-26836	-14008	-19832	28.4764	5 SLV
-121	-93028	787154	-26874	-26874	-26874	28.4532	32 SLU
-121	75243	346960	-2587	-13033	-9104	14.4713	13 SLV
-119	142	336232	-20508	-20508	-20508	32.9727	30 SLU
-119	66941	345825	-14578	-11885	-8636	15.2170	13 SLV
-60	20586	385284	-19069	-19069	-19069	28.0834	33 SLU
-60	4004	990981	-6383	-10568	-11667	23.6133	9 SLV

```
  -1     86760    353743   -17893    -17893   -17893  13.7308  33 SLU
  -1     60441    518768    -8687     -9663   -13519  16.5913   1 SLV
   1     95903    502599   -17996    -17996   -17996  12.7396  33 SLU
   1     67228    531639    -8483    -10087   -13527  16.2446   1 SLV
 108      4349    470402   -17112    -17112   -17112  45.7962  32 SLU
 108     -1743    715442   -14784     -8205   -10681  43.8243   5 SLV
 214   -138031    649367    -9845     -9845    -9845  19.0296  11 SLU
 214     65973    173034    -1800     -6831    -5215  17.7136  13 SLV
 216      2040    224311   -12403    -12403   -12403  63.7137  30 SLU
 216     52937    171876    -2117     -5825    -5030  23.0179  13 SLV
 313    -53113    167812    -5198     -5198    -5198  63.8680  10 SLU
 313     -2806    429551    -2334     -3915    -4292  67.0052   5 SLV
 410   -118779     50612    -6460     -6460    -6460  13.9162  30 SLU
 410    -20841    420270     -753     -1248    -1377  31.7831   1 SLV
```

```
Controllo dello sforzo normale massimo
quota       Ned  Nmax(7.4.4.5.2.1)    c.s. comb
 -500    -28678          -454151  15.8362   1 SLV
 -421    -29893          -651578  21.7967   1 SLV
 -341    -27763          -712724  25.6722   1 SLV
 -339    -31081          -532681  17.1384   1 SLV
 -230    -27882          -532681  19.1049   1 SLV
 -121    -25264          -510020  20.1878   1 SLV
 -119    -22571          -666161  29.5136   1 SLV
  -60    -19631          -629532  32.0678   1 SLV
   -1    -17116          -592902  34.6403   3 SLV
    1    -13860          -472149  34.0663   7 SLV
  108    -15348          -439089  28.6091   1 SLV
  214    -11532          -406029  35.2078   5 SLV
  216     -9908          -458180  46.2449   1 SLV
  313     -6313          -397958  63.0421   1 SLV
  410      -753          -352637 468.2794   1 SLV
```

```
Verifica compressione del diagonale
quota epsilon      VEd     Vrcd comb
 -500    1.00     1479   176319  17 SLU
 -500    1.50    -4253   176319  11 SLV
 -421    1.00      964   176319  10 SLU
 -421    1.50    -3770   176319  11 SLV
 -341    1.00      964   176319  10 SLU
 -341    1.50    -3814   176319  11 SLV
 -339    1.00      671   176319  39 SLU
 -339    1.50     3661   176319   9 SLV
 -230    1.00      603   176319  39 SLU
 -230    1.50     3541   176319   9 SLV
 -121    1.00      504   176319  17 SLU
 -121    1.50    -3235   176319   7 SLV
 -119    1.00      743   176319  32 SLU
 -119    1.50     3123   176319   9 SLV
  -60    1.00      692   176319  32 SLU
  -60    1.50     2883   176319   9 SLV
   -1    1.00      692   176319  32 SLU
   -1    1.50     2882   176319   9 SLV
    1    1.00      498   176319  13 SLU
    1    1.50    -2780   176319   7 SLV
  108    1.00      544   176319  12 SLU
  108    1.50    -2604   176319   7 SLV
  214    1.00      727   176319  11 SLU
  214    1.50    -2037   176319  11 SLV
  216    1.00      934   176319  33 SLU
```

```
  216    1.50     2057    176319    5 SLV
  313    1.00     1004    176319   33 SLU
  313    1.50     1705    176319    5 SLV
  410    1.00     1240    176319   32 SLU
  410    1.50     1413    176319    5 SLV
```

Verifica trazione del diagonale

quota	At	roh	rov	VEd	VRsd	comb
-500	49.8	0.0046	0.0080	1479	89388	17 SLU
-500	49.8	0.0046	0.0080	-4253	89388	11 SLV
-421	49.8	0.0041	0.0080	964	80457	10 SLU
-421	49.8	0.0041	0.0080	-3770	80457	11 SLV
-341	49.8	0.0041	0.0080	964	80457	10 SLU
-341	49.8	0.0041	0.0080	-3814	80457	11 SLV
-339	49.8	0.0041	0.0080	671	80457	39 SLU
-339	49.8	0.0041	0.0080	3661	80457	9 SLV
-230	31.7	0.0041	0.0051	603	80457	39 SLU
-230	31.7	0.0041	0.0051	3541	80457	9 SLV
-121	31.7	0.0041	0.0051	504	80457	17 SLU
-121	31.7	0.0041	0.0051	-3235	80457	7 SLV
-119	31.7	0.0041	0.0051	743	80457	32 SLU
-119	31.7	0.0041	0.0051	3123	80457	9 SLV
-60	31.7	0.0041	0.0051	692	80457	32 SLU
-60	31.7	0.0041	0.0051	2883	80457	9 SLV
-1	31.7	0.0041	0.0051	692	80457	32 SLU
-1	31.7	0.0041	0.0051	2882	80457	9 SLV
1	31.7	0.0041	0.0051	498	80457	13 SLU
1	31.7	0.0041	0.0051	-2780	80457	7 SLV
108	31.7	0.0041	0.0051	544	80457	12 SLU
108	31.7	0.0041	0.0051	-2604	80457	7 SLV
214	31.7	0.0041	0.0051	727	80457	11 SLU
214	31.7	0.0041	0.0051	-2037	80457	11 SLV
216	31.7	0.0041	0.0051	934	80457	33 SLU
216	31.7	0.0041	0.0051	2057	80457	5 SLV
313	31.7	0.0041	0.0051	1004	80457	33 SLU
313	31.7	0.0041	0.0051	1705	80457	5 SLV
410	31.7	0.0044	0.0051	1240	86198	32 SLU
410	31.7	0.0044	0.0051	1413	86198	5 SLV

Verifica per scorrimento a taglio

quota	Somma(Asj)	csi	MEd	VEd	Vdd	Vid	Vfd	Vrd,s	comb
-500	49.76	0.44	-487890	-4253	48069	0	53253	101322	11 SLV

1.1.3 *Parete 1-3 "Fondazione - Piano interrato" montacarichi*

Parete fra le coordinate in pianta (332;9) (-2;9)
da quota -540 a quota -340
Valori in daN, cm
C25/30: rck 300
fyk 4500

Verifica di stato limite ultimo

nod	sez	B	H	Af+	Af-	c+	c-	c.s.	comb	N	M	Nu	Mu
76	o	61	22	3.4	3.4	5.3	5.3	48.609	9 SLV	-3663	2771	-178038	-134697
	v	50	22	1.7	1.7	4.1	4.1	1.807	32 SLU	3182	-42723	5749	77182
77	o	100	22	5.7	5.7	5.3	5.3	98.275	9 SLV	-2977	2331	-292592	-229043
	v	50	22	1.7	1.7	4.1	4.1	2.325	32 SLU	4502	-13059	10465	30359

```
Combinazione rara
 nod sez  B   H   Af+  Af-  c+   c-    sc  c       N         M      sf  c        N        M Wk(mm)  st
Sm(mm)  c
  76  o  61  22  3.4  3.4  5.3  5.3   -1.8 16 -2.26E03  1.04E03   -22.4 22 -2.28E03  8.83E02   0.00  0.0
0.0  1
      v  50  22  1.7  1.7  4.1  4.1  -18.1 10  2.21E03 -2.94E04  1753.3 10  2.21E03 -2.94E04   0.00  9.1
0.0  1
  77  o 100  22  5.7  5.7  5.3  5.3   -0.9 16 -1.91E03  8.78E02   -11.6 22 -1.93E03  7.47E02   0.00  0.0
0.0  1
      v  50  22  1.7  1.7  4.1  4.1    0.0  1  7.19E02 -1.61E03  1334.5 10  3.24E03 -8.90E03   0.00  5.0
0.0  1


Combinazione frequente
 nod sez  B   H   Af+  Af-  c+   c-    sc  c       N         M      sf  c        N        M Wk(mm)  st
Sm(mm)  c
  76  o  61  22  3.4  3.4  5.3  5.3   -1.6 16 -1.97E03  1.02E03   -19.2 22 -1.98E03  9.50E02   0.00  0.0
0.0  1
      v  50  22  1.7  1.7  4.1  4.1  -10.8 10  1.42E03 -1.77E04  1085.5 10  1.42E03 -1.77E04   0.00  5.5
0.0  1
  77  o 100  22  5.7  5.7  5.3  5.3   -0.8 16 -1.66E03  8.56E02    -9.8 22 -1.67E03  8.00E02   0.00  0.0
0.0  1
      v  50  22  1.7  1.7  4.1  4.1    0.0  1  7.19E02 -1.61E03   944.9 10  2.47E03 -5.10E03   0.00  3.4
0.0  1


Combinazione quasi permanente
 nod sez  B   H   Af+  Af-  c+   c-    sc  c       N         M      sf  c        N        M Wk(mm)  st
Sm(mm)  c
  76  o  61  22  3.4  3.4  5.3  5.3   -1.5 10 -1.86E03  1.01E03   -18.0 16 -1.87E03  9.41E02   0.00  0.0
0.0  1
      v  50  22  1.7  1.7  4.1  4.1   -8.5 11  1.19E03 -1.40E04   880.4 11  1.19E03 -1.40E04   0.00  4.5
0.0  1
  77  o 100  22  5.7  5.7  5.3  5.3   -0.8 10 -1.55E03  8.48E02    -9.2 16 -1.56E03  7.92E02   0.00  0.0
0.0  1
      v  50  22  1.7  1.7  4.1  4.1    0.0  1  7.19E02 -1.61E03   838.5 11  2.28E03 -3.89E03   0.00  3.0
0.0  1
```

1.1.4 *Parete 1-3 a "Intradosso trave coll pt - Piano terra" montacarichi*

```
Parete fra le coordinate in pianta (332;9) (-2;9)
da quota -120 a quota 0
Valori in daN, cm
C25/30: rck 300
fyk 4500



Verifica di stato limite ultimo
 nod sez  B   H   Af+  Af-  c+   c-     c.s.    comb     N        M        Nu       Mu
 160  o  61  22  3.4  3.4  5.3  5.3   63.733   10 SLU    347     -744    22136    47442
      v  50  22  2.3  2.3  4.1  4.1    3.620   32 SLU   3154   -18070    11418    65413
 183  o  61  22  3.4  3.4  5.3  5.3   97.793   42 SLU  -1821       29  -178038    -2803
      v  50  22  2.3  2.3  4.1  4.1    3.312   11 SLU   2791   -25734     9244    85241


Combinazione rara
 nod sez  B   H   Af+  Af-  c+   c-    sc  c       N         M      sf  c        N        M Wk(mm)  st
Sm(mm)  c
 160  o  61  22  3.4  3.4  5.3  5.3   -1.3  8 -1.52E03  1.40E03    24.9 10  1.64E02  3.07E01   0.00  0.1
0.0  1
      v  50  22  2.3  2.3  4.1  4.1   -4.0  2  1.93E03 -1.15E04   844.6 10  2.15E03 -1.19E04   0.00  4.8
0.0  1
```

```
   183   o 61  22   3.4   3.4   5.3   5.3   -1.0  8 -1.30E03  3.91E02     14.0  3  8.59E01  5.07E01    0.00  0.1
0.0  1
         v 50  22   2.3   2.3   4.1   4.1   -9.0 12  1.72E03 -1.78E04    909.9 11  1.83E03 -1.74E04    0.00  5.8
0.0  1
```

Combinazione frequente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	st
Sm(mm) c

```
   160   o 61  22   3.4   3.4   5.3   5.3   -1.2  8 -1.36E03  1.29E03    -12.2  8 -1.36E03  1.29E03    0.00  0.0
0.0  1
         v 50  22   2.3   2.3   4.1   4.1   -1.0  2  1.13E03 -5.36E03    446.8 10  1.22E03 -5.57E03    0.00  2.4
0.0  1
   183   o 61  22   3.4   3.4   5.3   5.3   -0.8  8 -1.11E03  2.96E02    -11.5 20 -1.12E03  1.29E02    0.00  0.0
0.0  1
         v 50  22   2.3   2.3   4.1   4.1   -4.7 12  8.00E02 -9.02E03    443.7 11  8.55E02 -8.82E03    0.00  2.9
0.0  1
```

Combinazione quasi permanente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	st
Sm(mm) c

```
   160   o 61  22   3.4   3.4   5.3   5.3   -1.1  8 -1.29E03  1.24E03    -11.6  8 -1.29E03  1.24E03    0.00  0.0
0.0  1
         v 50  22   2.3   2.3   4.1   4.1    0.0  8  1.08E00 -2.74E01    298.3 11  8.95E02 -3.14E03    0.00  1.5
0.0  1
   183   o 61  22   3.4   3.4   5.3   5.3   -0.8  8 -1.04E03  2.58E02    -10.9 14 -1.07E03  1.40E02    0.00  0.0
0.0  1
         v 50  22   2.3   2.3   4.1   4.1   -3.2 13  4.85E02 -6.07E03    284.8 12  5.18E02 -5.95E03    0.00  1.9
0.0  1
```

1.1.5 *Parete 2-4 montacarichi*

Parete fra le coordinate in pianta (-2;271) (332;271)
da quota -540 a quota 430
Valori in daN, cm
C25/30: rck 300
fyk 4500

Verifica di stato limite ultimo

nod	sez	B	H	Af+	Af-	c+	c-	c.s.	comb	N	M	Nu	Mu
48	o 100	22	5.7	5.7	5.3	5.3	11.014	43 SLU	-15043	93910	-165684	-1034331	
	v 70	22	3.4	3.4	4.1	4.1	28.249	37 SLU	36	8396	1030	-237187	
54	o 61	22	7.9	7.9	5.3	5.3	56.195	32 SLU	-3798	3141	-213443	-176493	
	v 100	22	4.5	4.5	4.1	4.1	3.528	29 SLU	3470	-64084	12242	226117	
241	o 61	22	3.4	3.4	5.3	5.3	39.725	11 SLU	111	-5318	4407	211249	
	v 100	22	4.5	4.5	4.1	4.1	3.545	33 SLU	3038	-67412	10771	238977	

Combinazione rara

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	st
Sm(mm) c

```
    48   o 100 22   5.7   5.7   5.3   5.3  -14.5 14 -1.04E04  6.97E04     78.9  6 -8.48E03  6.40E04    0.00  4.0
0.0  1
         v 70  22   3.4   3.4   4.1   4.1   -2.5 22 -6.36E01  6.51E03    115.5 15  1.34E01  6.31E03    0.00  1.1
0.0  1
    54   o 61  22   7.9   7.9   5.3   5.3   -2.1 10 -2.68E03  2.16E03    -22.5 10 -2.68E03  2.16E03    0.00  0.1
0.0  1
         v 100 22   4.5   4.5   4.1   4.1  -12.6  7  2.45E03 -4.56E04    906.4  7  2.45E03 -4.56E04    0.00  6.6
0.0  1
   241   o 61  22   3.4   3.4   5.3   5.3   -1.6 11 -2.04E02 -3.54E03     36.3 11 -2.04E02 -3.54E03    0.00  0.6
```

```
0.0  1
      v 100  22   4.5   4.5   4.1   4.1  -12.5 11  2.03E03 -4.51E04   848.3 11  2.03E03 -4.51E04   0.00  6.3
0.0  1
```

Combinazione frequente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	st
Sm(mm)	c																
48	o	100	22	5.7	5.7	5.3	5.3	-13.2	14	-9.27E03	6.33E04	60.4	6	-8.47E03	6.08E04	0.00	3.6
0.0	1																
	v	70	22	3.4	3.4	4.1	4.1	-2.3	22	-6.93E01	5.89E03	98.8	15	-3.12E01	5.76E03	0.00	1.0
0.0	1																
54	o	61	22	7.9	7.9	5.3	5.3	-1.4	10	-1.88E03	1.26E03	-16.1	10	-1.88E03	1.26E03	0.00	0.1
0.0	1																
	v	100	22	4.5	4.5	4.1	4.1	-9.3	7	1.73E03	-3.38E04	660.5	7	1.73E03	-3.38E04	0.00	4.8
0.0	1																
241	o	61	22	3.4	3.4	5.3	5.3	-0.7	2	-8.85E02	-6.02E02	-10.2	8	-9.87E02	-2.33E01	0.00	0.0
0.0	1																
	v	100	22	4.5	4.5	4.1	4.1	-6.4	11	1.03E03	-2.30E04	431.8	11	1.03E03	-2.30E04	0.00	3.2
0.0	1																

Combinazione quasi permanente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	st
Sm(mm)	c																
48	o	100	22	5.7	5.7	5.3	5.3	-12.9	15	-9.27E03	6.20E04	53.6	6	-8.46E03	5.96E04	0.00	3.5
0.0	1																
	v	70	22	3.4	3.4	4.1	4.1	-2.2	16	-5.81E01	5.70E03	93.5	16	-5.81E01	5.70E03	0.00	0.9
0.0	1																
54	o	61	22	7.9	7.9	5.3	5.3	-1.2	11	-1.63E03	1.21E03	-13.8	11	-1.63E03	1.21E03	0.00	0.1
0.0	1																
	v	100	22	4.5	4.5	4.1	4.1	-8.0	7	1.44E03	-2.90E04	562.2	7	1.44E03	-2.90E04	0.00	4.1
0.0	1																
241	o	61	22	3.4	3.4	5.3	5.3	-0.7	2	-8.64E02	-3.52E02	-9.6	8	-9.25E02	-4.34E00	0.00	0.0
0.0	1																
	v	100	22	4.5	4.5	4.1	4.1	-4.0	12	6.37E02	-1.45E04	270.5	12	6.37E02	-1.45E04	0.00	2.0
0.0	1																

Verifica dei pannelli

Pannello : Pannello da Filo 2 a Filo 4

Sezione a quota -500
Coordinate dei vertici

X	Y
-2.0	11.0
332.0	11.0
332.0	-11.0
332.0	-40.0
310.0	-40.0
310.0	-11.0
20.0	-11.0
20.0	-40.0
-2.0	-40.0
-2.0	-11.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	281.5	-5.7	12
301.5	-5.7	12	321.5	-5.7	12	1.5	5.7	12	21.5	5.7	12	41.5	5.7	12

```
   61.5     5.7    12     81.5     5.7    12    101.5     5.7    12    121.5     5.7    12    141.5     5.7    12
  161.5     5.7    12    181.5     5.7    12    201.5     5.7    12    221.5     5.7    12    241.5     5.7    12
  261.5     5.7    12    281.5     5.7    12    301.5     5.7    12    321.5     5.7    12      2.9    -5.7    12
    2.9     5.7    12     17.9    -5.7    12     17.9     5.7    12     32.9    -5.7    12     32.9     5.7    12
   47.9    -5.7    12     47.9     5.7    12     62.9    -5.7    12     62.9     5.7    12    327.1    -5.7    12
  327.1     5.7    12    312.1    -5.7    12    312.1     5.7    12    297.1    -5.7    12    297.1     5.7    12
  282.1    -5.7    12    282.1     5.7    12    267.1    -5.7    12    267.1     5.7    12
```

Sezione a quota -421
Coordinate dei vertici

```
      X         Y
   -2.0      11.0
  332.0      11.0
  332.0     -11.0
  332.0    -119.5
  310.0    -119.5
  310.0     -11.0
   20.0     -11.0
   20.0    -119.5
   -2.0    -119.5
   -2.0     -11.0
```

Armature verticali

```
      X         Y     ø        X         Y     ø        X         Y     ø        X         Y     ø        X         Y     ø
    1.5     -5.7    12     21.5    -5.7    12     41.5    -5.7    12     61.5    -5.7    12     81.5    -5.7    12
  101.5     -5.7    12    121.5    -5.7    12    141.5    -5.7    12    161.5    -5.7    12    181.5    -5.7    12
  201.5     -5.7    12    221.5    -5.7    12    241.5    -5.7    12    261.5    -5.7    12    281.5    -5.7    12
  301.5     -5.7    12    321.5    -5.7    12      1.5     5.7    12     21.5     5.7    12     41.5     5.7    12
   61.5      5.7    12     81.5     5.7    12    101.5     5.7    12    121.5     5.7    12    141.5     5.7    12
  161.5      5.7    12    181.5     5.7    12    201.5     5.7    12    221.5     5.7    12    241.5     5.7    12
  261.5      5.7    12    281.5     5.7    12    301.5     5.7    12    321.5     5.7    12      2.9    -5.7    12
    2.9      5.7    12     17.9    -5.7    12     17.9     5.7    12     32.9    -5.7    12     32.9     5.7    12
   47.9     -5.7    12     47.9     5.7    12     62.9    -5.7    12     62.9     5.7    12    327.1    -5.7    12
  327.1      5.7    12    312.1    -5.7    12    312.1     5.7    12    297.1    -5.7    12    297.1     5.7    12
  282.1     -5.7    12    282.1     5.7    12    267.1    -5.7    12    267.1     5.7    12
```

Sezione a quota -341
Coordinate dei vertici

```
      X         Y
   -2.0      11.0
  332.0      11.0
  332.0     -11.0
  332.0    -131.0
  310.0    -131.0
  310.0     -11.0
   20.0     -11.0
   20.0    -131.0
   -2.0    -131.0
   -2.0     -11.0
```

Armature verticali

```
      X         Y     ø        X         Y     ø        X         Y     ø        X         Y     ø        X         Y     ø
    1.5     -5.7    12     21.5    -5.7    12     41.5    -5.7    12     61.5    -5.7    12     81.5    -5.7    12
  101.5     -5.7    12    121.5    -5.7    12    141.5    -5.7    12    161.5    -5.7    12    181.5    -5.7    12
  201.5     -5.7    12    221.5    -5.7    12    241.5    -5.7    12    261.5    -5.7    12    281.5    -5.7    12
  301.5     -5.7    12    321.5    -5.7    12      1.5     5.7    12     21.5     5.7    12     41.5     5.7    12
   61.5      5.7    12     81.5     5.7    12    101.5     5.7    12    121.5     5.7    12    141.5     5.7    12
  161.5      5.7    12    181.5     5.7    12    201.5     5.7    12    221.5     5.7    12    241.5     5.7    12
  261.5      5.7    12    281.5     5.7    12    301.5     5.7    12    321.5     5.7    12      2.9    -5.7    12
    2.9      5.7    12     17.9    -5.7    12     17.9     5.7    12     32.9    -5.7    12     32.9     5.7    12
```

```
    47.9   -5.7   12     47.9    5.7   12     62.9   -5.7   12     62.9    5.7   12    327.1   -5.7   12
   327.1    5.7   12    312.1   -5.7   12    312.1    5.7   12    297.1   -5.7   12    297.1    5.7   12
   282.1   -5.7   12    282.1    5.7   12    267.1   -5.7   12    267.1    5.7   12
```

Sezione a quota -339
Coordinate dei vertici

```
     X        Y
  -2.0     11.0
 332.0     11.0
 332.0    -11.0
 332.0   -192.3
 310.0   -192.3
 310.0    -11.0
  20.0    -11.0
  20.0   -192.3
  -2.0   -192.3
  -2.0    -11.0
```

Armature verticali

```
     X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø
   1.5     -5.7   12     21.5   -5.7   12     41.5   -5.7   12     61.5   -5.7   12     81.5   -5.7   12
 101.5     -5.7   12    121.5   -5.7   12    141.5   -5.7   12    161.5   -5.7   12    181.5   -5.7   12
 201.5     -5.7   12    221.5   -5.7   12    241.5   -5.7   12    261.5   -5.7   12    281.5   -5.7   12
 301.5     -5.7   12    321.5   -5.7   12      1.5    5.7   12     21.5    5.7   12     41.5    5.7   12
  61.5      5.7   12     81.5    5.7   12    101.5    5.7   12    121.5    5.7   12    141.5    5.7   12
 161.5      5.7   12    181.5    5.7   12    201.5    5.7   12    221.5    5.7   12    241.5    5.7   12
 261.5      5.7   12    281.5    5.7   12    301.5    5.7   12    321.5    5.7   12      2.9   -5.7   12
   2.9      5.7   12     17.9   -5.7   12     17.9    5.7   12     32.9   -5.7   12     32.9    5.7   12
  47.9     -5.7   12     47.9    5.7   12     62.9   -5.7   12     62.9    5.7   12    327.1   -5.7   12
 327.1      5.7   12    312.1   -5.7   12    312.1    5.7   12    297.1   -5.7   12    297.1    5.7   12
 282.1     -5.7   12    282.1    5.7   12    267.1   -5.7   12    267.1    5.7   12
```

Sezione a quota -230
Coordinate dei vertici

```
     X        Y
  -2.0     11.0
 332.0     11.0
 332.0    -11.0
 332.0   -165.0
 310.0   -165.0
 310.0    -11.0
  20.0    -11.0
  20.0   -165.0
  -2.0   -165.0
  -2.0    -11.0
```

Armature verticali

```
     X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø
   1.5     -5.7   12     21.5   -5.7   12     41.5   -5.7   12     61.5   -5.7   12     81.5   -5.7   12
 101.5     -5.7   12    121.5   -5.7   12    141.5   -5.7   12    161.5   -5.7   12    181.5   -5.7   12
 201.5     -5.7   12    221.5   -5.7   12    241.5   -5.7   12    261.5   -5.7   12    281.5   -5.7   12
 301.5     -5.7   12    321.5   -5.7   12      1.5    5.7   12     21.5    5.7   12     41.5    5.7   12
  61.5      5.7   12     81.5    5.7   12    101.5    5.7   12    121.5    5.7   12    141.5    5.7   12
 161.5      5.7   12    181.5    5.7   12    201.5    5.7   12    221.5    5.7   12    241.5    5.7   12
 261.5      5.7   12    281.5    5.7   12    301.5    5.7   12    321.5    5.7   12
```

Sezione a quota -121
Coordinate dei vertici

```
     X        Y
  -2.0     11.0
```

```
 332.0    11.0
 332.0   -11.0
 332.0  -137.8
 310.0  -137.8
 310.0   -11.0
  20.0   -11.0
  20.0  -137.8
  -2.0  -137.8
  -2.0   -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	281.5	-5.7	12
301.5	-5.7	12	321.5	-5.7	12	1.5	5.7	12	21.5	5.7	12	41.5	5.7	12
61.5	5.7	12	81.5	5.7	12	101.5	5.7	12	121.5	5.7	12	141.5	5.7	12
161.5	5.7	12	181.5	5.7	12	201.5	5.7	12	221.5	5.7	12	241.5	5.7	12
261.5	5.7	12	281.5	5.7	12	301.5	5.7	12	321.5	5.7	12			

Sezione a quota -119
Coordinate dei vertici

```
     X       Y
  -2.0    11.0
 332.0    11.0
 332.0   -11.0
 332.0  -131.0
 310.0  -131.0
 310.0   -11.0
  20.0   -11.0
  20.0  -131.0
  -2.0  -131.0
  -2.0   -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	281.5	-5.7	12
301.5	-5.7	12	321.5	-5.7	12	1.5	5.7	12	21.5	5.7	12	41.5	5.7	12
61.5	5.7	12	81.5	5.7	12	101.5	5.7	12	121.5	5.7	12	141.5	5.7	12
161.5	5.7	12	181.5	5.7	12	201.5	5.7	12	221.5	5.7	12	241.5	5.7	12
261.5	5.7	12	281.5	5.7	12	301.5	5.7	12	321.5	5.7	12			

Sezione a quota -60
Coordinate dei vertici

```
     X       Y
  -2.0    11.0
 332.0    11.0
 332.0   -11.0
 332.0  -122.5
 310.0  -122.5
 310.0   -11.0
  20.0   -11.0
  20.0  -122.5
  -2.0  -122.5
  -2.0   -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	281.5	-5.7	12
301.5	-5.7	12	321.5	-5.7	12	1.5	5.7	12	21.5	5.7	12	41.5	5.7	12
61.5	5.7	12	81.5	5.7	12	101.5	5.7	12	121.5	5.7	12	141.5	5.7	12
161.5	5.7	12	181.5	5.7	12	201.5	5.7	12	221.5	5.7	12	241.5	5.7	12
261.5	5.7	12	281.5	5.7	12	301.5	5.7	12	321.5	5.7	12			

Sezione a quota -1
Coordinate dei vertici

X	Y
-2.0	11.0
332.0	11.0
332.0	-11.0
332.0	-107.8
310.0	-107.8
310.0	-11.0
20.0	-11.0
20.0	-107.8
-2.0	-107.8
-2.0	-11.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	281.5	-5.7	12
301.5	-5.7	12	321.5	-5.7	12	1.5	5.7	12	21.5	5.7	12	41.5	5.7	12
61.5	5.7	12	81.5	5.7	12	101.5	5.7	12	121.5	5.7	12	141.5	5.7	12
161.5	5.7	12	181.5	5.7	12	201.5	5.7	12	221.5	5.7	12	241.5	5.7	12
261.5	5.7	12	281.5	5.7	12	301.5	5.7	12	321.5	5.7	12			

Sezione a quota 1
Coordinate dei vertici

X	Y
-2.0	11.0
332.0	11.0
332.0	-11.0
332.0	-107.3
310.0	-107.3
310.0	-11.0
20.0	-11.0
20.0	-107.3
-2.0	-107.3
-2.0	-11.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	281.5	-5.7	12
301.5	-5.7	12	321.5	-5.7	12	1.5	5.7	12	21.5	5.7	12	41.5	5.7	12
61.5	5.7	12	81.5	5.7	12	101.5	5.7	12	121.5	5.7	12	141.5	5.7	12
161.5	5.7	12	181.5	5.7	12	201.5	5.7	12	221.5	5.7	12	241.5	5.7	12
261.5	5.7	12	281.5	5.7	12	301.5	5.7	12	321.5	5.7	12			

Sezione a quota 108
Coordinate dei vertici

X	Y
-2.0	11.0

```
332.0    11.0
332.0   -11.0
332.0   -80.6
310.0   -80.6
310.0   -11.0
 20.0   -11.0
 20.0   -80.6
 -2.0   -80.6
 -2.0   -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	281.5	-5.7	12
301.5	-5.7	12	321.5	-5.7	12	1.5	5.7	12	21.5	5.7	12	41.5	5.7	12
61.5	5.7	12	81.5	5.7	12	101.5	5.7	12	121.5	5.7	12	141.5	5.7	12
161.5	5.7	12	181.5	5.7	12	201.5	5.7	12	221.5	5.7	12	241.5	5.7	12
261.5	5.7	12	281.5	5.7	12	301.5	5.7	12	321.5	5.7	12			

Sezione a quota 214
Coordinate dei vertici

```
    X       Y
 -2.0    11.0
332.0    11.0
332.0   -11.0
332.0   -54.0
310.0   -54.0
310.0   -11.0
 20.0   -11.0
 20.0   -54.0
 -2.0   -54.0
 -2.0   -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
1.5	-5.7	12	21.5	-5.7	12	41.5	-5.7	12	61.5	-5.7	12	81.5	-5.7	12
101.5	-5.7	12	121.5	-5.7	12	141.5	-5.7	12	161.5	-5.7	12	181.5	-5.7	12
201.5	-5.7	12	221.5	-5.7	12	241.5	-5.7	12	261.5	-5.7	12	281.5	-5.7	12
301.5	-5.7	12	321.5	-5.7	12	1.5	5.7	12	21.5	5.7	12	41.5	5.7	12
61.5	5.7	12	81.5	5.7	12	101.5	5.7	12	121.5	5.7	12	141.5	5.7	12
161.5	5.7	12	181.5	5.7	12	201.5	5.7	12	221.5	5.7	12	241.5	5.7	12
261.5	5.7	12	281.5	5.7	12	301.5	5.7	12	321.5	5.7	12			

Sezione a quota 216
Coordinate dei vertici

```
    X       Y
 -2.0    11.0
332.0    11.0
332.0   -11.0
332.0   -53.5
310.0   -53.5
310.0   -11.0
 20.0   -11.0
 20.0   -53.5
 -2.0   -53.5
 -2.0   -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø

```
    1.5   -5.7  12    21.5   -5.7  12    41.5   -5.7  12    61.5   -5.7  12    81.5   -5.7  12
  101.5   -5.7  12   121.5   -5.7  12   141.5   -5.7  12   161.5   -5.7  12   181.5   -5.7  12
  201.5   -5.7  12   221.5   -5.7  12   241.5   -5.7  12   261.5   -5.7  12   281.5   -5.7  12
  301.5   -5.7  12   321.5   -5.7  12     1.5    5.7  12    21.5    5.7  12    41.5    5.7  12
   61.5    5.7  12    81.5    5.7  12   101.5    5.7  12   121.5    5.7  12   141.5    5.7  12
  161.5    5.7  12   181.5    5.7  12   201.5    5.7  12   221.5    5.7  12   241.5    5.7  12
  261.5    5.7  12   281.5    5.7  12   301.5    5.7  12   321.5    5.7  12
```

```
Sezione a quota 313
Coordinate dei vertici
      X       Y
   -2.0    11.0
  332.0    11.0
  332.0   -11.0
  332.0   -29.3
  310.0   -29.3
  310.0   -11.0
   20.0   -11.0
   20.0   -29.3
   -2.0   -29.3
   -2.0   -11.0
```

```
Armature verticali
      X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø
    1.5   -5.7  12    21.5   -5.7  12    41.5   -5.7  12    61.5   -5.7  12    81.5   -5.7  12
  101.5   -5.7  12   121.5   -5.7  12   141.5   -5.7  12   161.5   -5.7  12   181.5   -5.7  12
  201.5   -5.7  12   221.5   -5.7  12   241.5   -5.7  12   261.5   -5.7  12   281.5   -5.7  12
  301.5   -5.7  12   321.5   -5.7  12     1.5    5.7  12    21.5    5.7  12    41.5    5.7  12
   61.5    5.7  12    81.5    5.7  12   101.5    5.7  12   121.5    5.7  12   141.5    5.7  12
  161.5    5.7  12   181.5    5.7  12   201.5    5.7  12   221.5    5.7  12   241.5    5.7  12
  261.5    5.7  12   281.5    5.7  12   301.5    5.7  12   321.5    5.7  12
```

```
Sezione a quota 410
Coordinate dei vertici
      X       Y
   -2.0   -11.0
   -2.0    11.0
  332.0    11.0
  332.0   -11.0
```

```
Armature verticali
      X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø
    1.5   -5.7  12    21.5   -5.7  12    41.5   -5.7  12    61.5   -5.7  12    81.5   -5.7  12
  101.5   -5.7  12   121.5   -5.7  12   141.5   -5.7  12   161.5   -5.7  12   181.5   -5.7  12
  201.5   -5.7  12   221.5   -5.7  12   241.5   -5.7  12   261.5   -5.7  12   281.5   -5.7  12
  301.5   -5.7  12   321.5   -5.7  12     1.5    5.7  12    21.5    5.7  12    41.5    5.7  12
   61.5    5.7  12    81.5    5.7  12   101.5    5.7  12   121.5    5.7  12   141.5    5.7  12
  161.5    5.7  12   181.5    5.7  12   201.5    5.7  12   221.5    5.7  12   241.5    5.7  12
  261.5    5.7  12   281.5    5.7  12   301.5    5.7  12   321.5    5.7  12
```

```
 fcd fctd   Hcr q.Hcr    hw    lw   n.p.     hs
 141   12   232  -308   970   334     5     192
```

```
Verifica a pressoflessione
quota       Mxd        Myd       Ned    Ngrav.     NReale    c.s. comb
 -500    -141551     743249    -27737    -27737    -27737  36.1440   32 SLU
 -500    -120662    -171172    -37588    -18062    -28557  32.2566   11 SLV
 -421     -19528     819450    -20089    -20089    -20089  41.8749   24 SLU
 -421     -13713    -183846    -33130    -15526    -25366  35.8303   11 SLV
 -341      16891    -323927    -20540    -20540    -20540  35.4947   36 SLU
```

```
 -341       6357    -622352     -24064     -13944     -17092  30.8982   15 SLV
 -339       7805     754190     -16857     -16857     -16857  28.5927   24 SLU
 -339      11556    -183846     -28533     -13022     -22022  25.0912   11 SLV
 -230      11668    -338242     -14457     -14457     -14457  38.0373   36 SLU
 -230       4975    -143564     -23678     -10365     -18496  33.7354   11 SLV
 -121      12130    -399011     -12283     -12283     -12283  44.4537   35 SLU
 -121       -116     383053     -15153      -8875     -10716  47.4874    3 SLV
 -119      11958    -400529     -12283     -12283     -12283  46.1066   35 SLU
 -119       -143     377650     -15153      -8875     -10716  48.5950    3 SLV
  -60       7218    -381618     -10750     -10750     -10750  55.4603   35 SLU
  -60       -686     378165     -13209      -7797      -9311  55.4351    3 SLV
   -1      10441    -437793      -9304      -9304      -9304  56.5956   34 SLU
   -1      -2560     -95433       1679      -6641      -1642  66.6045    9 SLV
    1      10801    -327044      -9411      -9411      -9411  61.1415   34 SLU
    1      -1033     317830     -11280      -6749      -7905  70.8336    3 SLV
  108       7590    -363981      -6642      -6642      -6642  81.6946   34 SLU
  108      -1225      83262        923      -4655      -1405 100.1051    5 SLV
  214      14506    -254108      -4973      -4973      -4973  96.1766   11 SLU
  214       -994     -23476      -7403      -3989      -5408 153.1077   11 SLV
  216      14335    -254400      -4973      -4973      -4973  97.0033   11 SLU
  216      -1040     -21978      -7403      -3989      -5408 153.5809   11 SLV
  313     -15402    -130447      -5012      -5012      -5012 187.8943   41 SLU
  313      -5257      -2827      -4877      -2804      -3475 219.5303   11 SLV
  410    -114778     -24987      -3141      -3141      -3141  14.6538   39 SLU
  410     -24606     -33935       -336       -981       -826  58.3716    5 SLV
```

```
Controllo dello sforzo normale massimo
quota        Ned  Nmax(7.4.4.5.2.1)    c.s. comb
 -500     -37588          -486739  12.9493   11 SLV
 -421     -33130          -684166  20.6512   11 SLV
 -341     -30811          -712724  23.1322   11 SLV
 -339     -28533          -864830  30.3096   11 SLV
 -230     -23678          -797159  33.6663   11 SLV
 -121     -19272          -729487  37.8514    7 SLV
 -119     -19272          -712724  36.9816    7 SLV
  -60     -16647          -691616  41.5456    7 SLV
   -1     -14960          -654986  43.7819    7 SLV
    1     -14224          -653745  45.9618   11 SLV
  108     -10234          -587625  57.4215   11 SLV
  214      -7403          -521506  70.4490   11 SLV
  216      -7403          -520264  70.2813   11 SLV
  313      -4877          -460042  94.3374   11 SLV
  410       -649          -414721 639.0076    7 SLV
```

```
Verifica compressione del diagonale
quota epsilon      VEd     Vrcd comb
 -500    1.00     4167   207361   27 SLU
 -500    1.50     4065   207361    1 SLV
 -421    1.00     4235   207361   27 SLU
 -421    1.50     4055   207361    1 SLV
 -341    1.00     4235   207361   27 SLU
 -341    1.50     4070   207361    1 SLV
 -339    1.00     4429   207361   27 SLU
 -339    1.50     4373   207361    1 SLV
 -230    1.00     4487   207361   27 SLU
 -230    1.50     4541   207361    1 SLV
 -121    1.00     4252   207361   26 SLU
 -121    1.50     3982   207361    1 SLV
 -119    1.00     4252   207361   26 SLU
 -119    1.50     3982   207361    1 SLV
```

```
  -60    1.00     4219    207361   25 SLU
  -60    1.50     3672    207361    1 SLV
   -1    1.00     4219    207361   25 SLU
   -1    1.50     3672    207361    1 SLV
    1    1.00     4241    207361    3 SLU
    1    1.50    -3456    207361   15 SLV
  108    1.00     4233    207361    2 SLU
  108    1.50    -3226    207361   15 SLV
  214    1.00     3677    207361   24 SLU
  214    1.50     1891    207361    1 SLV
  216    1.00     3677    207361   24 SLU
  216    1.50     1891    207361    1 SLV
  313    1.00     2589    207361    2 SLU
  313    1.50    -1120    207361   15 SLV
  410    1.00    -1101    207361   33 SLU
  410    1.50     -612    207361   15 SLV
```

Verifica trazione del diagonale

```
quota     At    roh    rov      VEd      VRsd comb
 -500    61.1  0.0046 0.0083    4167    105125   27 SLU
 -500    61.1  0.0046 0.0083    4065    105125    1 SLV
 -421    61.1  0.0041 0.0083    4235     94622   27 SLU
 -421    61.1  0.0041 0.0083    4055     94622    1 SLV
 -341    61.1  0.0041 0.0083    4235     94622   27 SLU
 -341    61.1  0.0041 0.0083    4070     94622    1 SLV
 -339    61.1  0.0041 0.0083    4429     94622   27 SLU
 -339    61.1  0.0041 0.0083    4373     94622    1 SLV
 -230    38.5  0.0041 0.0052    4487     94622   27 SLU
 -230    38.5  0.0041 0.0052    4541     94622    1 SLV
 -121    38.5  0.0041 0.0052    4252     94622   26 SLU
 -121    38.5  0.0041 0.0052    3982     94622    1 SLV
 -119    38.5  0.0041 0.0052    4252     94622   26 SLU
 -119    38.5  0.0041 0.0052    3982     94622    1 SLV
  -60    38.5  0.0041 0.0052    4219     94622   25 SLU
  -60    38.5  0.0041 0.0052    3672     94622    1 SLV
   -1    38.5  0.0041 0.0052    4219     94622   25 SLU
   -1    38.5  0.0041 0.0052    3672     94622    1 SLV
    1    38.5  0.0041 0.0052    4241     94622    3 SLU
    1    38.5  0.0041 0.0052   -3456     94622   15 SLV
  108    38.5  0.0041 0.0052    4233     94622    2 SLU
  108    38.5  0.0041 0.0052   -3226     94622   15 SLV
  214    38.5  0.0041 0.0052    3677     94622   24 SLU
  214    38.5  0.0041 0.0052    1891     94622    1 SLV
  216    38.5  0.0041 0.0052    3677     94622   24 SLU
  216    38.5  0.0041 0.0052    1891     94622    1 SLV
  313    38.5  0.0041 0.0052    2589     94622    2 SLU
  313    38.5  0.0041 0.0052   -1120     94622   15 SLV
  410    38.5  0.0044 0.0052   -1101    101374   33 SLU
  410    38.5  0.0044 0.0052    -612    101374   15 SLV
```

Verifica per scorrimento a taglio

```
quota Somma(Asj)   csi       MEd      VEd      Vdd      Vid      Vfd    Vrd,s  comb
 -500     61.07   0.70    636258     4065    58994        0   103942   162936    1 SLV
```

1.1.6 *Parete 3-4 montacarichi*

```
Parete fra le coordinate in pianta (321;282) (321;-2)
da quota -540 a quota 430
Valori in daN, cm
```

```
C25/30: rck 300

fyk 4500
```

```
Verifica di stato limite ultimo
  nod sez    B    H   Af+    Af-    c+    c-     c.s.      comb       N          M         Nu        Mu
   75  o  61  22   7.9    7.9   5.3   5.3   50.124    10 SLU     1129      -1140      56610     57134
       v 100  22   4.5    4.5   4.1   4.1    6.388    40 SLU     1335     -40461       8530    258482
  189  o  61  22   3.3    3.3   5.3   5.3    5.608    10 SLU    -2219      58452     -12444   -327777
       v 100  22   4.5    4.5   4.1   4.1   17.231    10 SLU     -301      21680      -5188   -373586
  258  o  61  22   3.3    3.3   5.3   5.3    5.292    10 SLU    -1420     -55632      -7514    294401
       v 100  22   4.5    4.5   4.1   4.1   10.513    10 SLU      219     -29642       2298    311633
```

```
Combinazione rara
  nod sez    B    H   Af+    Af-    c+    c-    sc  c      N          M      sf   c       N        M  Wk(mm)   st
Sm(mm)  c
   75  o  61  22   7.9    7.9   5.3   5.3   -1.7 22  -2.46E03  -5.15E02    40.6 10   4.75E02  -9.58E02   0.00   0.5
0.0  1
       v 100  22   4.5    4.5   4.1   4.1   -8.3 17   9.89E02  -2.97E04   518.7 18   1.01E03  -2.96E04   0.00   4.0
0.0  1
  189  o  61  22   3.3    3.3   5.3   5.3  -16.7 10  -2.51E03   3.84E04   356.3 10  -2.51E03   3.84E04   0.00   5.8
0.0  1
       v 100  22   4.5    4.5   4.1   4.1   -4.0 10  -1.84E02   1.42E04   169.9 10  -1.84E02   1.42E04   0.00   1.6
0.0  1
  258  o  61  22   3.3    3.3   5.3   5.3  -16.5 10  -1.72E03  -3.63E04   431.5 10  -1.72E03  -3.63E04   0.00   5.9
0.0  1
       v 100  22   4.5    4.5   4.1   4.1   -5.6 10   1.18E02  -1.98E04   280.6 10   1.18E02  -1.98E04   0.00   2.4
0.0  1
```

```
Combinazione frequente
  nod sez    B    H   Af+    Af-    c+    c-    sc  c      N          M      sf   c       N        M  Wk(mm)   st
Sm(mm)  c
   75  o  61  22   7.9    7.9   5.3   5.3   -1.5 22  -2.26E03  -5.30E02   -20.7 22  -2.26E03  -5.30E02   0.00   0.0
0.0  1
       v 100  22   4.5    4.5   4.1   4.1   -6.9 17   9.51E02  -2.46E04   445.2 18   9.60E02  -2.46E04   0.00   3.4
0.0  1
  189  o  61  22   3.3    3.3   5.3   5.3   -6.2 10  -2.78E03   1.82E04   -36.5  8  -3.69E03  -1.25E03   0.00   1.6
0.0  1
       v 100  22   4.5    4.5   4.1   4.1   -1.8 10  -6.42E01   6.58E03    81.0 10  -6.42E01   6.58E03   0.00   0.8
0.0  1
  258  o  61  22   3.3    3.3   5.3   5.3   -6.1 10  -2.01E03  -1.68E04    49.8 10  -2.01E03  -1.68E04   0.00   1.9
0.0  1
       v 100  22   4.5    4.5   4.1   4.1   -2.8 10   1.69E01  -9.82E03   134.0 10   1.69E01  -9.82E03   0.00   1.2
0.0  1
```

```
Combinazione quasi permanente
  nod sez    B    H   Af+    Af-    c+    c-    sc  c      N          M      sf   c       N        M  Wk(mm)   st
Sm(mm)  c
   75  o  61  22   7.9    7.9   5.3   5.3   -1.5 16  -2.19E03  -5.34E02   -20.0 16  -2.19E03  -5.34E02   0.00   0.0
0.0  1
       v 100  22   4.5    4.5   4.1   4.1   -6.5 11   9.16E02  -2.34E04   424.2 12   9.25E02  -2.34E04   0.00   3.2
0.0  1
  189  o  61  22   3.3    3.3   5.3   5.3   -4.1 11  -2.95E03   1.09E04   -33.8  8  -3.45E03  -1.38E03   0.00   0.0
0.0  1
       v 100  22   4.5    4.5   4.1   4.1   -1.1 11  -2.31E01   4.10E03    52.4 11  -2.31E01   4.10E03   0.00   0.5
0.0  1
  258  o  61  22   3.3    3.3   5.3   5.3   -3.4 11  -2.19E03  -9.68E03   -24.1  8  -2.65E03   2.35E03   0.00   0.4
0.0  1
       v 100  22   4.5    4.5   4.1   4.1   -1.8 11  -2.16E01  -6.51E03    85.0 11  -2.16E01  -6.51E03   0.00   0.8
0.0  1
```

Verifica dei pannelli

Pannello : Pannello da Filo 4 a Filo 3

Sezione a quota -500
Coordinate dei vertici

X	Y
-282.0	11.0
2.0	11.0
2.0	-11.0
2.0	-40.0
-20.0	-40.0
-20.0	-11.0
-260.0	-11.0
-260.0	-40.0
-282.0	-40.0
-282.0	-11.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-278.5	-5.7	12	-258.5	-5.7	12	-238.5	-5.7	12	-218.5	-5.7	12	-198.5	-5.7	12
-178.5	-5.7	12	-158.5	-5.7	12	-138.5	-5.7	12	-118.5	-5.7	12	-98.5	-5.7	12
-78.5	-5.7	12	-58.5	-5.7	12	-38.5	-5.7	12	-18.5	-5.7	12	-278.5	5.7	12
-258.5	5.7	12	-238.5	5.7	12	-218.5	5.7	12	-198.5	5.7	12	-178.5	5.7	12
-158.5	5.7	12	-138.5	5.7	12	-118.5	5.7	12	-98.5	5.7	12	-78.5	5.7	12
-58.5	5.7	12	-38.5	5.7	12	-18.5	5.7	12	-277.1	-5.7	12	-277.1	5.7	12
-262.1	-5.7	12	-262.1	5.7	12	-247.1	-5.7	12	-247.1	5.7	12	-232.1	-5.7	12
-232.1	5.7	12	-2.9	-5.7	12	-2.9	5.7	12	-17.9	-5.7	12	-17.9	5.7	12
-32.9	-5.7	12	-32.9	5.7	12	-47.9	-5.7	12	-47.9	5.7	12			

Sezione a quota -421
Coordinate dei vertici

X	Y
-282.0	11.0
2.0	11.0
2.0	-11.0
2.0	-119.5
-20.0	-119.5
-20.0	-11.0
-260.0	-11.0
-260.0	-119.5
-282.0	-119.5
-282.0	-11.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-278.5	-5.7	12	-258.5	-5.7	12	-238.5	-5.7	12	-218.5	-5.7	12	-198.5	-5.7	12
-178.5	-5.7	12	-158.5	-5.7	12	-138.5	-5.7	12	-118.5	-5.7	12	-98.5	-5.7	12
-78.5	-5.7	12	-58.5	-5.7	12	-38.5	-5.7	12	-18.5	-5.7	12	-278.5	5.7	12
-258.5	5.7	12	-238.5	5.7	12	-218.5	5.7	12	-198.5	5.7	12	-178.5	5.7	12
-158.5	5.7	12	-138.5	5.7	12	-118.5	5.7	12	-98.5	5.7	12	-78.5	5.7	12
-58.5	5.7	12	-38.5	5.7	12	-18.5	5.7	12	-277.1	-5.7	12	-277.1	5.7	12
-262.1	-5.7	12	-262.1	5.7	12	-247.1	-5.7	12	-247.1	5.7	12	-232.1	-5.7	12
-232.1	5.7	12	-2.9	-5.7	12	-2.9	5.7	12	-17.9	-5.7	12	-17.9	5.7	12
-32.9	-5.7	12	-32.9	5.7	12	-47.9	-5.7	12	-47.9	5.7	12			

Sezione a quota -341
Coordinate dei vertici

X	Y

```
 -282.0    11.0
    2.0    11.0
    2.0   -11.0
    2.0  -156.0
  -20.0  -156.0
  -20.0   -11.0
 -260.0   -11.0
 -260.0  -156.0
 -282.0  -156.0
 -282.0   -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-278.5	-5.7	12	-258.5	-5.7	12	-238.5	-5.7	12	-218.5	-5.7	12	-198.5	-5.7	12
-178.5	-5.7	12	-158.5	-5.7	12	-138.5	-5.7	12	-118.5	-5.7	12	-98.5	-5.7	12
-78.5	-5.7	12	-58.5	-5.7	12	-38.5	-5.7	12	-18.5	-5.7	12	-278.5	5.7	12
-258.5	5.7	12	-238.5	5.7	12	-218.5	5.7	12	-198.5	5.7	12	-178.5	5.7	12
-158.5	5.7	12	-138.5	5.7	12	-118.5	5.7	12	-98.5	5.7	12	-78.5	5.7	12
-58.5	5.7	12	-38.5	5.7	12	-18.5	5.7	12	-277.1	-5.7	12	-277.1	5.7	12
-262.1	-5.7	12	-262.1	5.7	12	-247.1	-5.7	12	-247.1	5.7	12	-232.1	-5.7	12
-232.1	5.7	12	-2.9	-5.7	12	-2.9	5.7	12	-17.9	-5.7	12	-17.9	5.7	12
-32.9	-5.7	12	-32.9	5.7	12	-47.9	-5.7	12	-47.9	5.7	12			

Sezione a quota -339
Coordinate dei vertici

```
      X       Y
 -282.0    11.0
    2.0    11.0
    2.0   -11.0
 -260.0   -11.0
 -260.0  -156.0
 -282.0  -156.0
 -282.0   -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-278.5	-5.7	12	-258.5	-5.7	12	-238.5	-5.7	12	-218.5	-5.7	12	-198.5	-5.7	12
-178.5	-5.7	12	-158.5	-5.7	12	-138.5	-5.7	12	-118.5	-5.7	12	-98.5	-5.7	12
-78.5	-5.7	12	-58.5	-5.7	12	-38.5	-5.7	12	-18.5	-5.7	12	-278.5	5.7	12
-258.5	5.7	12	-238.5	5.7	12	-218.5	5.7	12	-198.5	5.7	12	-178.5	5.7	12
-158.5	5.7	12	-138.5	5.7	12	-118.5	5.7	12	-98.5	5.7	12	-78.5	5.7	12
-58.5	5.7	12	-38.5	5.7	12	-18.5	5.7	12	-277.1	-5.7	12	-277.1	5.7	12
-262.1	-5.7	12	-262.1	5.7	12	-247.1	-5.7	12	-247.1	5.7	12	-232.1	-5.7	12
-232.1	5.7	12	-2.9	-5.7	12	-2.9	5.7	12	-17.9	-5.7	12	-17.9	5.7	12
-32.9	-5.7	12	-32.9	5.7	12	-47.9	-5.7	12	-47.9	5.7	12			

Sezione a quota -230
Coordinate dei vertici

```
      X       Y
 -282.0    11.0
    2.0    11.0
    2.0   -11.0
 -260.0   -11.0
 -260.0  -156.0
 -282.0  -156.0
 -282.0   -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-278.5	-5.7	12	-258.5	-5.7	12	-238.5	-5.7	12	-218.5	-5.7	12	-198.5	-5.7	12

```
 -178.5    -5.7   12  -158.5    -5.7   12  -138.5    -5.7   12  -118.5    -5.7   12   -98.5    -5.7   12
  -78.5    -5.7   12   -58.5    -5.7   12   -38.5    -5.7   12   -18.5    -5.7   12  -278.5     5.7   12
 -258.5     5.7   12  -238.5     5.7   12  -218.5     5.7   12  -198.5     5.7   12  -178.5     5.7   12
 -158.5     5.7   12  -138.5     5.7   12  -118.5     5.7   12   -98.5     5.7   12   -78.5     5.7   12
  -58.5     5.7   12   -38.5     5.7   12   -18.5     5.7   12
```

Sezione a quota -121
Coordinate dei vertici
```
      X        Y
 -282.0     11.0
    2.0     11.0
    2.0    -11.0
 -260.0    -11.0
 -260.0   -137.8
 -282.0   -137.8
 -282.0    -11.0
```

Armature verticali
```
      X        Y    ø       X        Y    ø       X        Y    ø       X        Y    ø       X        Y    ø
 -278.5    -5.7   12  -258.5    -5.7   12  -238.5    -5.7   12  -218.5    -5.7   12  -198.5    -5.7   12
 -178.5    -5.7   12  -158.5    -5.7   12  -138.5    -5.7   12  -118.5    -5.7   12   -98.5    -5.7   12
  -78.5    -5.7   12   -58.5    -5.7   12   -38.5    -5.7   12   -18.5    -5.7   12  -278.5     5.7   12
 -258.5     5.7   12  -238.5     5.7   12  -218.5     5.7   12  -198.5     5.7   12  -178.5     5.7   12
 -158.5     5.7   12  -138.5     5.7   12  -118.5     5.7   12   -98.5     5.7   12   -78.5     5.7   12
  -58.5     5.7   12   -38.5     5.7   12   -18.5     5.7   12
```

Sezione a quota -119
Coordinate dei vertici
```
      X        Y
 -282.0     11.0
    2.0     11.0
    2.0    -11.0
    2.0   -137.3
  -20.0   -137.3
  -20.0    -11.0
 -260.0    -11.0
 -260.0   -137.3
 -282.0   -137.3
 -282.0    -11.0
```

Armature verticali
```
      X        Y    ø       X        Y    ø       X        Y    ø       X        Y    ø       X        Y    ø
 -278.5    -5.7   12  -258.5    -5.7   12  -238.5    -5.7   12  -218.5    -5.7   12  -198.5    -5.7   12
 -178.5    -5.7   12  -158.5    -5.7   12  -138.5    -5.7   12  -118.5    -5.7   12   -98.5    -5.7   12
  -78.5    -5.7   12   -58.5    -5.7   12   -38.5    -5.7   12   -18.5    -5.7   12  -278.5     5.7   12
 -258.5     5.7   12  -238.5     5.7   12  -218.5     5.7   12  -198.5     5.7   12  -178.5     5.7   12
 -158.5     5.7   12  -138.5     5.7   12  -118.5     5.7   12   -98.5     5.7   12   -78.5     5.7   12
  -58.5     5.7   12   -38.5     5.7   12   -18.5     5.7   12
```

Sezione a quota -60
Coordinate dei vertici
```
      X        Y
 -282.0     11.0
    2.0     11.0
    2.0    -11.0
    2.0   -122.5
  -20.0   -122.5
  -20.0    -11.0
 -260.0    -11.0
 -260.0   -122.5
```

```
-282.0  -122.5
-282.0   -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-278.5	-5.7	12	-258.5	-5.7	12	-238.5	-5.7	12	-218.5	-5.7	12	-198.5	-5.7	12
-178.5	-5.7	12	-158.5	-5.7	12	-138.5	-5.7	12	-118.5	-5.7	12	-98.5	-5.7	12
-78.5	-5.7	12	-58.5	-5.7	12	-38.5	-5.7	12	-18.5	-5.7	12	-278.5	5.7	12
-258.5	5.7	12	-238.5	5.7	12	-218.5	5.7	12	-198.5	5.7	12	-178.5	5.7	12
-158.5	5.7	12	-138.5	5.7	12	-118.5	5.7	12	-98.5	5.7	12	-78.5	5.7	12
-58.5	5.7	12	-38.5	5.7	12	-18.5	5.7	12						

Sezione a quota -1
Coordinate dei vertici

```
     X      Y
-282.0   11.0
   2.0   11.0
   2.0  -11.0
   2.0 -107.8
 -20.0 -107.8
 -20.0  -11.0
-260.0  -11.0
-260.0 -107.8
-282.0 -107.8
-282.0  -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-278.5	-5.7	12	-258.5	-5.7	12	-238.5	-5.7	12	-218.5	-5.7	12	-198.5	-5.7	12
-178.5	-5.7	12	-158.5	-5.7	12	-138.5	-5.7	12	-118.5	-5.7	12	-98.5	-5.7	12
-78.5	-5.7	12	-58.5	-5.7	12	-38.5	-5.7	12	-18.5	-5.7	12	-278.5	5.7	12
-258.5	5.7	12	-238.5	5.7	12	-218.5	5.7	12	-198.5	5.7	12	-178.5	5.7	12
-158.5	5.7	12	-138.5	5.7	12	-118.5	5.7	12	-98.5	5.7	12	-78.5	5.7	12
-58.5	5.7	12	-38.5	5.7	12	-18.5	5.7	12						

Sezione a quota 1
Coordinate dei vertici

```
     X      Y
-282.0   11.0
   2.0   11.0
   2.0  -11.0
-260.0  -11.0
-260.0 -107.3
-282.0 -107.3
-282.0  -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-278.5	-5.7	12	-258.5	-5.7	12	-238.5	-5.7	12	-218.5	-5.7	12	-198.5	-5.7	12
-178.5	-5.7	12	-158.5	-5.7	12	-138.5	-5.7	12	-118.5	-5.7	12	-98.5	-5.7	12
-78.5	-5.7	12	-58.5	-5.7	12	-38.5	-5.7	12	-18.5	-5.7	12	-278.5	5.7	12
-258.5	5.7	12	-238.5	5.7	12	-218.5	5.7	12	-198.5	5.7	12	-178.5	5.7	12
-158.5	5.7	12	-138.5	5.7	12	-118.5	5.7	12	-98.5	5.7	12	-78.5	5.7	12
-58.5	5.7	12	-38.5	5.7	12	-18.5	5.7	12						

Sezione a quota 108
Coordinate dei vertici

```
     X      Y
-282.0   11.0
   2.0   11.0
```

```
    2.0    -11.0
 -260.0    -11.0
 -260.0    -80.6
 -282.0    -80.6
 -282.0    -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-278.5	-5.7	12	-258.5	-5.7	12	-238.5	-5.7	12	-218.5	-5.7	12	-198.5	-5.7	12
-178.5	-5.7	12	-158.5	-5.7	12	-138.5	-5.7	12	-118.5	-5.7	12	-98.5	-5.7	12
-78.5	-5.7	12	-58.5	-5.7	12	-38.5	-5.7	12	-18.5	-5.7	12	-278.5	5.7	12
-258.5	5.7	12	-238.5	5.7	12	-218.5	5.7	12	-198.5	5.7	12	-178.5	5.7	12
-158.5	5.7	12	-138.5	5.7	12	-118.5	5.7	12	-98.5	5.7	12	-78.5	5.7	12
-58.5	5.7	12	-38.5	5.7	12	-18.5	5.7	12						

Sezione a quota 214
Coordinate dei vertici

```
     X       Y
 -282.0    11.0
    2.0    11.0
    2.0    -11.0
 -260.0    -11.0
 -260.0    -54.0
 -282.0    -54.0
 -282.0    -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-278.5	-5.7	12	-258.5	-5.7	12	-238.5	-5.7	12	-218.5	-5.7	12	-198.5	-5.7	12
-178.5	-5.7	12	-158.5	-5.7	12	-138.5	-5.7	12	-118.5	-5.7	12	-98.5	-5.7	12
-78.5	-5.7	12	-58.5	-5.7	12	-38.5	-5.7	12	-18.5	-5.7	12	-278.5	5.7	12
-258.5	5.7	12	-238.5	5.7	12	-218.5	5.7	12	-198.5	5.7	12	-178.5	5.7	12
-158.5	5.7	12	-138.5	5.7	12	-118.5	5.7	12	-98.5	5.7	12	-78.5	5.7	12
-58.5	5.7	12	-38.5	5.7	12	-18.5	5.7	12						

Sezione a quota 216
Coordinate dei vertici

```
     X       Y
 -282.0    11.0
    2.0    11.0
    2.0    -11.0
    2.0    -53.5
  -20.0    -53.5
  -20.0    -11.0
 -260.0    -11.0
 -260.0    -53.5
 -282.0    -53.5
 -282.0    -11.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-278.5	-5.7	12	-258.5	-5.7	12	-238.5	-5.7	12	-218.5	-5.7	12	-198.5	-5.7	12
-178.5	-5.7	12	-158.5	-5.7	12	-138.5	-5.7	12	-118.5	-5.7	12	-98.5	-5.7	12
-78.5	-5.7	12	-58.5	-5.7	12	-38.5	-5.7	12	-18.5	-5.7	12	-278.5	5.7	12
-258.5	5.7	12	-238.5	5.7	12	-218.5	5.7	12	-198.5	5.7	12	-178.5	5.7	12
-158.5	5.7	12	-138.5	5.7	12	-118.5	5.7	12	-98.5	5.7	12	-78.5	5.7	12
-58.5	5.7	12	-38.5	5.7	12	-18.5	5.7	12						

Sezione a quota 313
Coordinate dei vertici

```
     X       Y
 -282.0    11.0
    2.0    11.0
    2.0   -11.0
    2.0   -29.3
  -20.0   -29.3
  -20.0   -11.0
 -260.0   -11.0
 -260.0   -29.3
 -282.0   -29.3
 -282.0   -11.0
```

Armature verticali
```
     X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø
 -278.5    -5.7   12   -258.5    -5.7   12   -238.5    -5.7   12   -218.5    -5.7   12   -198.5    -5.7   12
 -178.5    -5.7   12   -158.5    -5.7   12   -138.5    -5.7   12   -118.5    -5.7   12    -98.5    -5.7   12
  -78.5    -5.7   12    -58.5    -5.7   12    -38.5    -5.7   12    -18.5    -5.7   12   -278.5     5.7   12
 -258.5     5.7   12   -238.5     5.7   12   -218.5     5.7   12   -198.5     5.7   12   -178.5     5.7   12
 -158.5     5.7   12   -138.5     5.7   12   -118.5     5.7   12    -98.5     5.7   12    -78.5     5.7   12
  -58.5     5.7   12    -38.5     5.7   12    -18.5     5.7   12
```

Sezione a quota 410
Coordinate dei vertici
```
     X       Y
 -282.0   -11.0
 -282.0    11.0
    2.0    11.0
    2.0   -11.0
```

Armature verticali
```
     X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø
 -278.5    -5.7   12   -258.5    -5.7   12   -238.5    -5.7   12   -218.5    -5.7   12   -198.5    -5.7   12
 -178.5    -5.7   12   -158.5    -5.7   12   -138.5    -5.7   12   -118.5    -5.7   12    -98.5    -5.7   12
  -78.5    -5.7   12    -58.5    -5.7   12    -38.5    -5.7   12    -18.5    -5.7   12   -278.5     5.7   12
 -258.5     5.7   12   -238.5     5.7   12   -218.5     5.7   12   -198.5     5.7   12   -178.5     5.7   12
 -158.5     5.7   12   -138.5     5.7   12   -118.5     5.7   12    -98.5     5.7   12    -78.5     5.7   12
  -58.5     5.7   12    -38.5     5.7   12    -18.5     5.7   12
```

```
 fcd fctd   Hcr q.Hcr   hw    lw   n.p.    hs
 141   12   232  -308  970   284    5     192
```

Verifica a pressoflessione
```
quota        Mxd        Myd        Ned     Ngrav.     NReale     c.s.  comb
 -500    -140871     138193     -17283     -17283     -17283   42.8514   38 SLU
 -500    -104261     -76726     -28649     -13688     -21805   36.4417   13 SLV
 -421      -1034    -301972     -22177     -22177     -22177   37.1817   30 SLU
 -421       6546    -700000     -26847     -14588     -19553   24.0308    9 SLV
 -341      10158    -311028     -20491     -20491     -20491   30.0411   30 SLU
 -341      75072    -219502     -27808     -13291     -21163   12.8029   13 SLV
 -339       2706    -662898     -24655     -24655     -24655   33.7430   30 SLU
 -339      88834    -525854     -31093     -15811     -23187   11.5278   13 SLV
 -230        160    -607794     -22408     -22408     -22408   34.4887   30 SLU
 -230      -1443    -842659     -26738     -14023     -19727   27.9258    9 SLV
 -121      88246    -183178     -10627     -10627     -10627   14.6082   32 SLU
 -121      75353    -329860     -15691     -13119      -9131   15.1700    1 SLV
 -119      78839    -125363     -10179     -10179     -10179   16.1862   32 SLU
 -119      67166    -328743     -14665     -11977      -8676   15.6485    1 SLV
  -60       4954    -293234     -17683     -17683     -17683   37.1559   30 SLU
  -60       6514    -935606     -18976     -10623     -13664   25.8397    9 SLV
   -1       3726    -297452     -16461     -16461     -16461   42.8040   30 SLU
```

```
   -1      60748    -529280     -18410       -9684    -13568  16.9325   13 SLV
    1       2765    -435486     -17370      -17370    -17370  45.2751   30 SLU
    1      66867    -509247      -8332      -10081    -13372  17.0512   13 SLV
  108        411    -451130     -14613      -14613    -14613  51.4560   30 SLU
  108      -1514    -768839     -14163       -7962    -10182  42.5298    9 SLV
  214      91548     -27562      -5294       -5294     -5294  17.5013   10 SLU
  214      64772    -165784      -1729       -6661     -5059  19.2825    1 SLV
  216      74566     -16965      -5210       -5210     -5210  22.3829   10 SLU
  216      53089    -164676      -2031       -5658     -4860  24.5067    1 SLV
  313      -4324    -157491      -8470       -8470     -8470 106.7293   30 SLU
  313      -2685    -456736      -2292       -3835     -4209  63.7562    9 SLV
  410     -86089     -26026      -2846       -2846     -2846  16.8372   44 SLU
  410     -19857    -429411       -724       -1208     -1328  34.2468   13 SLV
```

Controllo dello sforzo normale massimo

```
quota         Ned  Nmax(7.4.4.5.2.1)    c.s. comb
-500      -28649           -424655  14.8225   13 SLV
-421      -29770           -622082  20.8960   13 SLV
-341      -27808           -712724  25.6302   13 SLV
-339      -31093           -532681  17.1320   13 SLV
-230      -27862           -532681  19.1187   13 SLV
-121      -25471           -510020  20.0232   13 SLV
-119      -22789           -666161  29.2322   13 SLV
 -60      -19831           -629532  31.7452   13 SLV
  -1      -18410           -592902  32.2060   13 SLV
   1      -17232           -472149  27.3992   15 SLV
 108      -14795           -439089  29.6780   13 SLV
 214      -11202           -406029  36.2454    9 SLV
 216       -9624           -458180  47.6095   13 SLV
 313       -6052           -397958  65.7575   15 SLV
 410        -724           -352637 487.1123   13 SLV
```

Verifica compressione del diagonale

```
quota  epsilon      VEd    Vrcd comb
-500     1.00      1439   176319   32 SLU
-500     1.50      4021   176319    7 SLV
-421     1.00      1122   176319   32 SLU
-421     1.50      3650   176319    7 SLV
-341     1.00      1122   176319   32 SLU
-341     1.50      3664   176319    7 SLV
-339     1.00       601   176319   17 SLU
-339     1.50     -3652   176319    5 SLV
-230     1.00       537   176319   17 SLU
-230     1.50     -3486   176319    5 SLV
-121     1.00       503   176319   17 SLU
-121     1.50     -3175   176319    5 SLV
-119     1.00       702   176319   10 SLU
-119     1.50     -3107   176319    9 SLV
 -60     1.00       688   176319   10 SLU
 -60     1.50     -2862   176319    9 SLV
  -1     1.00       688   176319   10 SLU
  -1     1.50     -2861   176319    9 SLV
   1     1.00       450   176319   42 SLU
   1     1.50      2712   176319   11 SLV
 108     1.00       513   176319   34 SLU
 108     1.50      2496   176319   11 SLV
 214     1.00       649   176319   34 SLU
 214     1.50      1977   176319    7 SLV
 216     1.00       787   176319   10 SLU
 216     1.50     -2009   176319    9 SLV
```

```
313     1.00        997    176319   10 SLU
313     1.50      -1671    176319    9 SLV
410     1.00       1112    176319   10 SLU
410     1.50      -1354    176319    9 SLV
```

```
Verifica trazione del diagonale
quota    At   roh    rov       VEd      VRsd comb
-500   49.8  0.0046  0.0080     1439     89388   32 SLU
-500   49.8  0.0046  0.0080     4021     89388    7 SLV
-421   49.8  0.0041  0.0080     1122     80457   32 SLU
-421   49.8  0.0041  0.0080     3650     80457    7 SLV
-341   49.8  0.0041  0.0080     1122     80457   32 SLU
-341   49.8  0.0041  0.0080     3664     80457    7 SLV
-339   49.8  0.0041  0.0080      601     80457   17 SLU
-339   49.8  0.0041  0.0080    -3652     80457    5 SLV
-230   31.7  0.0041  0.0051      537     80457   17 SLU
-230   31.7  0.0041  0.0051    -3486     80457    5 SLV
-121   31.7  0.0041  0.0051      503     80457   17 SLU
-121   31.7  0.0041  0.0051    -3175     80457    5 SLV
-119   31.7  0.0041  0.0051      702     80457   10 SLU
-119   31.7  0.0041  0.0051    -3107     80457    9 SLV
 -60   31.7  0.0041  0.0051      688     80457   10 SLU
 -60   31.7  0.0041  0.0051    -2862     80457    9 SLV
  -1   31.7  0.0041  0.0051      688     80457   10 SLU
  -1   31.7  0.0041  0.0051    -2861     80457    9 SLV
   1   31.7  0.0041  0.0051      450     80457   42 SLU
   1   31.7  0.0041  0.0051     2712     80457   11 SLV
 108   31.7  0.0041  0.0051      513     80457   34 SLU
 108   31.7  0.0041  0.0051     2496     80457   11 SLV
 214   31.7  0.0041  0.0051      649     80457   34 SLU
 214   31.7  0.0041  0.0051     1977     80457    7 SLV
 216   31.7  0.0041  0.0051      787     80457   10 SLU
 216   31.7  0.0041  0.0051    -2009     80457    9 SLV
 313   31.7  0.0041  0.0051      997     80457   10 SLU
 313   31.7  0.0041  0.0051    -1671     80457    9 SLV
 410   31.7  0.0044  0.0051     1112     86198   10 SLU
 410   31.7  0.0044  0.0051    -1354     86198    9 SLV
```

```
Verifica per scorrimento a taglio
quota Somma(Asj)   csi       MEd      VEd      Vdd     Vid      Vfd    Vrd,s  comb
-500      49.76    0.44    484988     4021    48069       0    53461   101531    7 SLV
```

1.1.7 *Piastra a "Copertura" montacarichi*

```
Valori in daN, cm
C25/30: rck 300
fyk 4500
```

```
Verifica di stato limite ultimo
 nod sez   B    H   Af+   Af-   c+   c-    c.s.     comb      N        M      Nu        Mu
 311  o 100   20   5.7   5.7  5.3  5.3    3.058   39 SLU      0   119193      0   -364443
      v 100   20   5.7   5.7  4.1  4.1    3.383   38 SLU      0   105743      0   -357693
 318  o 100   20   5.7   5.7  5.3  5.3    5.226   39 SLU      0    69742      0   -364443
      v 100   20   5.7   5.7  4.1  4.1    3.761   38 SLU      0    95111      0   -357693
```

```
Combinazione rara
 nod sez   B    H   Af+   Af-   c+   c-    sc  c        N        M    sf  c        N        M Wk(mm)   st
Sm(mm)  c
```

```
 311   o 100  20   5.7   5.7  5.3  5.3  -29.7 17  0.00E00   8.08E04  1051.9 17  0.00E00  8.08E04   0.00 11.8
0.0  1
       v 100  20   5.7   5.7  4.1  4.1  -22.3 16  0.00E00   7.18E04   883.0 16  0.00E00  7.18E04   0.00 10.4
0.0  8
 318   o 100  20   5.7   5.7  5.3  5.3  -17.6 17  0.00E00   4.80E04   624.3 17  0.00E00  4.80E04   0.00  7.0
0.0  4
       v 100  20   5.7   5.7  4.1  4.1  -20.1 16  0.00E00   6.47E04   795.7 16  0.00E00  6.47E04   0.00  9.3
0.0  8
```

Combinazione frequente

```
 nod sez   B   H   Af+   Af-  c+   c-   sc  c       N         M      sf  c       N        M Wk(mm)   st
Sm(mm)  c
 311   o 100  20   5.7   5.7  5.3  5.3  -16.7 17  0.00E00   4.55E04   591.5 17  0.00E00  4.55E04   0.00  6.7
0.0  1
       v 100  20   5.7   5.7  4.1  4.1  -12.7 16  0.00E00   4.08E04   502.2 16  0.00E00  4.08E04   0.00  5.9
0.0  8
 318   o 100  20   5.7   5.7  5.3  5.3  -10.8 17  0.00E00   2.94E04   382.8 17  0.00E00  2.94E04   0.00  4.3
0.0  4
       v 100  20   5.7   5.7  4.1  4.1  -11.6 16  0.00E00   3.72E04   457.8 16  0.00E00  3.72E04   0.00  5.4
0.0  8
```

Combinazione quasi permanente

```
 nod sez   B   H   Af+   Af-  c+   c-   sc  c       N         M      sf  c       N        M Wk(mm)   st
Sm(mm)  c
 311   o 100  20   5.7   5.7  5.3  5.3  -11.6 11  0.00E00   3.16E04   411.9 11  0.00E00  3.16E04   0.00  4.6
0.0  1
       v 100  20   5.7   5.7  4.1  4.1   -8.8 10  0.00E00   2.85E04   349.9 10  0.00E00  2.85E04   0.00  4.1
0.0  8
 318   o 100  20   5.7   5.7  5.3  5.3   -8.2 11  0.00E00   2.23E04   290.6 11  0.00E00  2.23E04   0.00  3.3
0.0  4
       v 100  20   5.7   5.7  4.1  4.1   -8.2 10  0.00E00   2.62E04   322.7 10  0.00E00  2.62E04   0.00  3.8
0.0  8
```

1.1.8 *Platea a "Fondazione" montacarichi*

```
Valori in daN, cm
C25/30: rck 300
fyk 4500
```

Verifica di stato limite ultimo

```
 nod sez   B   H   Af+   Af-  c+   c-    c.s.     comb      N        M      Nu       Mu
  24   o 100  40   5.7   5.7  5.3  5.3   2.387    44 SLU    0   -327729      0   782249
       v 100  40   5.7   5.7  4.1  4.1   2.529    38 SLU    0   -312632      0   790549
  36   o  50  40   2.3   2.3  5.3  5.3   1.768    16 SLU    0    179767      0  -317839
       v 100  40   5.7   5.7  4.1  4.1  10.443    30 SLU    0     75704      0  -790549
  37   o  89  40   4.5   4.5  5.3  5.3   2.485    16 SLU    0    253690      0  -630372
       v 100  40   5.7   5.7  4.1  4.1   2.116    16 SLU    0    373560      0  -790549
```

Combinazione rara

```
 nod sez   B   H   Af+   Af-  c+   c-   sc  c       N         M      sf  c       N        M Wk(mm)   st
Sm(mm)  c
  24   o 100  40   5.7   5.7  5.3  5.3  -21.5 22  0.00E00  -2.46E05  1346.1 22  0.00E00 -2.46E05   0.00  8.9
0.0 22
       v 100  40   5.7   5.7  4.1  4.1  -18.6 16  0.00E00  -2.30E05  1214.8 16  0.00E00 -2.30E05   0.00  8.3
0.0 16
  36   o  50  40   2.3   2.3  5.3  5.3  -20.7 16  0.00E00   1.06E05  1443.8 16  0.00E00  1.06E05   0.00  7.8
0.0  2
       v 100  40   5.7   5.7  4.1  4.1   -4.6  8  0.00E00   5.72E04   302.0  8  0.00E00  5.72E04   0.00  2.1
```

```
0.0 22
   37   o  89  40    4.5   4.5   5.3   5.3   -14.4 16  0.00E00   1.39E05    949.6 16  0.00E00   1.39E05     0.00  5.7
0.0  2
        v 100  40    5.7   5.7   4.1   4.1   -18.6 16  0.00E00   2.30E05   1212.9 16  0.00E00   2.30E05     0.00  8.3
0.0  2
```

Combinazione frequente

```
  nod sez   B   H   Af+   Af-   c+    c-     sc  c        N         M      sf  c        N         M Wk(mm)   st
Sm(mm)  c
   24   o 100  40    5.7   5.7   5.3   5.3   -19.8 22  0.00E00  -2.26E05   1237.3 22  0.00E00  -2.26E05     0.00  8.2
0.0 22
        v 100  40    5.7   5.7   4.1   4.1   -15.9 16  0.00E00  -1.96E05   1036.5 16  0.00E00  -1.96E05     0.00  7.1
0.0 16
   36   o  50  40    2.3   2.3   5.3   5.3   -10.5  2  0.00E00  -5.39E04    731.9  2  0.00E00  -5.39E04     0.00  3.9
0.0  2
        v 100  40    5.7   5.7   4.1   4.1    -4.4  8  0.00E00   5.38E04    284.2  8  0.00E00   5.38E04     0.00  1.9
0.0 15
   37   o  89  40    4.5   4.5   5.3   5.3   -11.6  2  0.00E00  -1.12E05    761.2  2  0.00E00  -1.12E05     0.00  4.6
0.0  2
        v 100  40    5.7   5.7   4.1   4.1    -7.0 16  0.00E00   8.61E04    454.4 16  0.00E00   8.61E04     0.00  3.1
0.0  2
```

Combinazione quasi permanente

```
  nod sez   B   H   Af+   Af-   c+    c-     sc  c        N         M      sf  c        N         M Wk(mm)   st
Sm(mm)  c
   24   o 100  40    5.7   5.7   5.3   5.3   -19.2 16  0.00E00  -2.19E05   1197.4 16  0.00E00  -2.19E05     0.00  8.0
0.0 16
        v 100  40    5.7   5.7   4.1   4.1   -14.8 10  0.00E00  -1.83E05    965.2 10  0.00E00  -1.83E05     0.00  6.6
0.0 10
   36   o  50  40    2.3   2.3   5.3   5.3   -10.0  2  0.00E00  -5.14E04    698.2  2  0.00E00  -5.14E04     0.00  3.8
0.0  2
        v 100  40    5.7   5.7   4.1   4.1    -4.3  8  0.00E00   5.25E04    277.1  8  0.00E00   5.25E04     0.00  1.9
0.0 16
   37   o  89  40    4.5   4.5   5.3   5.3   -11.1  2  0.00E00  -1.07E05    729.8  2  0.00E00  -1.07E05     0.00  4.4
0.0  2
        v 100  40    5.7   5.7   4.1   4.1    -5.9  2  0.00E00  -7.34E04    387.3  2  0.00E00  -7.34E04     0.00  2.7
0.0  2
```

1.1.9 *Basamento serbatoio*

```
Valori in daN, cm
C20/25: rck 250
fyk 4500
```

Verifica di stato limite ultimo

```
  nod sez   B   H   Af+   Af-   c+    c-     c.s.     comb      N        M       Nu       Mu
   58   o 100  90   10.1  10.1  6.4   6.4    6.789    7 SLV      0     476652      0  -3236099
        v 100  90   10.1  10.1  4.8   4.8    7.302   13 SLV      0     450265      0  -3287994
  107   o 100  90   10.1  10.1  6.4   6.4    7.441   11 SLV      0     434909      0  -3236099
        v 100  90   10.1  10.1  4.8   4.8    6.930   15 SLV      0     474426      0  -3287994
```

Combinazione rara

```
  nod sez   B   H   Af+   Af-   c+    c-     sc  c        N         M      sf  c        N         M Wk(mm)   st
Sm(mm)  c
   58   o 100  90   10.1  10.1  6.4   6.4    -2.2  1  0.00E00   1.31E05    165.9  1  0.00E00   1.31E05     0.00  0.0
0.0  2
        v 100  90   10.1  10.1  4.8   4.8    -2.1  1  0.00E00   1.30E05    160.9  1  0.00E00   1.30E05     0.00  0.0
0.0  2
```

```
  107   o 100  90  10.1  10.1  6.4  6.4  -1.8  1  0.00E00  1.10E05  138.9  1  0.00E00  1.10E05   0.00  0.0
0.0  2
        v 100  90  10.1  10.1  4.8  4.8  -2.3  1  0.00E00  1.42E05  175.8  1  0.00E00  1.42E05   0.00  0.0
0.0  2


Combinazione frequente
   nod sez   B   H   Af+   Af-   c+   c-    sc  c        N        M      sf  c        N        M Wk(mm)   st
Sm(mm)  c
   58   o 100  90  10.1  10.1  6.4  6.4  -2.2  1  0.00E00  1.31E05  165.9  1  0.00E00  1.31E05   0.00  0.0
0.0  1
        v 100  90  10.1  10.1  4.8  4.8  -2.1  1  0.00E00  1.30E05  160.9  1  0.00E00  1.30E05   0.00  0.0
0.0  1
  107   o 100  90  10.1  10.1  6.4  6.4  -1.8  1  0.00E00  1.10E05  138.9  1  0.00E00  1.10E05   0.00  0.0
0.0  1
        v 100  90  10.1  10.1  4.8  4.8  -2.3  1  0.00E00  1.42E05  175.8  1  0.00E00  1.42E05   0.00  0.0
0.0  1


Combinazione quasi permanente
   nod sez   B   H   Af+   Af-   c+   c-    sc  c        N        M      sf  c        N        M Wk(mm)   st
Sm(mm)  c
   58   o 100  90  10.1  10.1  6.4  6.4  -2.2  1  0.00E00  1.31E05  165.9  1  0.00E00  1.31E05   0.00  0.0
0.0  1
        v 100  90  10.1  10.1  4.8  4.8  -2.1  1  0.00E00  1.30E05  160.9  1  0.00E00  1.30E05   0.00  0.0
0.0  1
  107   o 100  90  10.1  10.1  6.4  6.4  -1.8  1  0.00E00  1.10E05  138.9  1  0.00E00  1.10E05   0.00  0.0
0.0  1
        v 100  90  10.1  10.1  4.8  4.8  -2.3  1  0.00E00  1.42E05  175.8  1  0.00E00  1.42E05   0.00  0.0
0.0  1



Verifiche geotecniche

Dati geometrici dell'impronta di calcolo
Forma dell'impronta di calcolo: rettangolare di area equivalente
Coordinata X del centro impronta: 300
Coordinata Y del centro impronta: 300
Coordinata Z del centro impronta: -90
Lato minore B dell'impronta: 400
Lato maggiore L dell'impronta: 400
Area dell'impronta rettangolare di calcolo: 160000


Verifica di scorrimento sul piano di posa - Caso statico

Combinazione con fattore di sicurezza minore: SLU 3
Forza risultante agente in direzione x: 0
Forza risultante agente in direzione y: 0
Forza risultante agente in direzione z: -51844.95
Inclinazione del carico in direzione x (deg): 0
Inclinazione del carico in direzione y (deg): 0
Angolo di attrito di progetto (deg): 20
Adesione di progetto: 1.5
Azione di progetto (risultante del carico tangenziale al piano di posa):
Resistenza di progetto: 235336.38
Coefficiente parziale applicato alla resistenza: 1.1
Coefficiente di sicurezza normalizzato ks min (Rd/Ed): 4438936055321740000000


Verifica di scorrimento sul piano di posa - Caso sismico

Combinazione con fattore di sicurezza minore: SLV fondazioni 10
Forza risultante agente in direzione x: 470.69
```

Forza risultante agente in direzione y: -1569.36

Forza risultante agente in direzione z: -46506.86

Inclinazione del carico in direzione x (deg): 0.58

Inclinazione del carico in direzione y (deg): -1.93

Angolo di attrito di progetto (deg): 20

Adesione di progetto: 1.5

Azione di progetto (risultante del carico tangenziale al piano di posa): 1638.43

Resistenza di progetto: 233570.1

Coefficiente parziale applicato alla resistenza: 1.1

Coefficiente di sicurezza normalizzato ks min (Rd/Ed): 142.56

Verifica di capacità portante sul piano di posa - Caso statico

Combinazione con fattore di sicurezza minore: SLU 8

Azione di progetto (risultante del carico normale al piano di posa): -63772.47

Resistenza di progetto: 2551838.27

Coefficiente parziale applicato alla resistenza: 2.3

Coefficiente di sicurezza normalizzato kp min (Rd/Ed): 40.01

Parametri utilizzati nel calcolo:

Forza risultante agente in direzione x: 0

Forza risultante agente in direzione y: 0

Forza risultante agente in direzione z: -63772.47

Momento agente in direzione x: 232241.09

Momento agente in direzione y: -0.02

Inclinazione del carico in direzione x (deg): 0

Inclinazione del carico in direzione y (deg): 0

Eccentricità del carico in direzione x: 0

Eccentricità del carico in direzione y: 3.64

Impronta al suolo (BxL): 400 x 400

Larghezza efficace (B'=B-2*e): 392.72

Lunghezza efficace (L'=L-2*e): 400

Coesione di progetto: 1.5

Sovraccarico di progetto: .14

Peso specifico di progetto del suolo : 0.0023

Angolo di attrito di progetto (deg): 20

Fattori di capacità portante
_____

N	S	D	I	B	G	E	Tipo
17.69	1.30	0.00	0.00	0.00	0.00	1.00	Coesione
7.44	0.00	0.00	0.00	0.00	0.00	1.00	Sovraccarico
4.97	0.80	0.00	0.00	0.00	0.00	1.00	Attrito

Verifica di capacità portante sul piano di posa - Caso sismico

Combinazione con fattore di sicurezza minore: SLV fondazioni 10

Azione di progetto (risultante del carico normale al piano di posa): -46506.86

Resistenza di progetto: 2276217.55

Coefficiente parziale applicato alla resistenza: 2.3

Coefficiente di sicurezza normalizzato kp min (Rd/Ed): 48.94

Parametri utilizzati nel calcolo:

Forza risultante agente in direzione x: 470.69

Forza risultante agente in direzione y: -1569.36

Forza risultante agente in direzione z: -46506.86

Momento agente in direzione x: 698311.19

Momento agente in direzione y: 163742.71

Inclinazione del carico in direzione x (deg): 0.58

Inclinazione del carico in direzione y (deg): -1.93

```
Eccentricità del carico in direzione x: 3.52
Eccentricità del carico in direzione y: 15.02
Impronta al suolo (BxL): 400 x 400
Larghezza efficace (B'=B-2*e): 369.97
Lunghezza efficace (L'=L-2*e): 392.96
Coesione di progetto: 1.5
Sovraccarico di progetto: .14
Peso specifico di progetto del suolo : 0.0023
Angolo di attrito di progetto (deg): 20
Accelerazione normalizzata massima al suolo: .09


Fattori di capacità portante
_____

   N       S       D       I       B       G       E    Tipo
 17.69    1.30    0.00    0.00    0.00    0.00    0.97  Coesione
  7.44    0.00    0.00    0.00    0.00    0.00    0.91  Sovraccarico
  4.97    0.80    0.00    0.00    0.00    0.00    0.91  Attrito
```

1.1.10 *Muretto recinzione fondazione*

```
Valori in daN, cm
C20/25: rck 250
fyk 4500



Verifica di stato limite ultimo
  nod sez  B   H   Af+   Af-   c+   c-    c.s.     comb     N       M       Nu      Mu
   3  o  50  25  2.4   2.4   5.5  5.5  703.714  13 SLV    0     -277     0    194715
      v  50  25  1.6   1.6   4.5  4.5   27.768   1 SLV    0     4886     0   -135680
   6  o  50  25  2.4   2.4   5.5  5.5  387.887   1 SLV    0      502     0   -194715
      v  70  25  2.4   2.4   4.5  4.5   29.471   1 SLV    0     6849     0   -201841


Combinazione rara
  nod sez  B   H   Af+   Af-   c+   c-   sc  c      N         M      sf  c      N         M   Wk(mm)  st
Sm(mm)  c
   3  o  50  25  2.4   2.4   5.5  5.5   0.0  2  0.00E00  3.83E01   0.9  2  0.00E00  3.83E01  0.00  0.0
0.0  2
      v  50  25  1.6   1.6   4.5  4.5  -1.2  2  0.00E00  2.32E03  76.6  2  0.00E00  2.32E03  0.00  0.0
0.0  2
   6  o  50  25  2.4   2.4   5.5  5.5  -0.1  2  0.00E00  1.89E02   4.4  2  0.00E00  1.89E02  0.00  0.0
0.0  2
      v  70  25  2.4   2.4   4.5  4.5  -1.2  2  0.00E00  3.21E03  70.9  2  0.00E00  3.21E03  0.00  0.0
0.0  2


Combinazione frequente
  nod sez  B   H   Af+   Af-   c+   c-   sc  c      N         M      sf  c      N         M   Wk(mm)  st
Sm(mm)  c
   3  o  50  25  2.4   2.4   5.5  5.5   0.0  1  0.00E00  3.83E01   0.9  1  0.00E00  3.83E01  0.00  0.0
0.0  1
      v  50  25  1.6   1.6   4.5  4.5  -1.2  1  0.00E00  2.32E03  76.6  1  0.00E00  2.32E03  0.00  0.0
0.0  1
   6  o  50  25  2.4   2.4   5.5  5.5  -0.1  1  0.00E00  1.89E02   4.4  1  0.00E00  1.89E02  0.00  0.0
0.0  1
      v  70  25  2.4   2.4   4.5  4.5  -1.2  1  0.00E00  3.21E03  70.9  1  0.00E00  3.21E03  0.00  0.0
0.0  1


Combinazione quasi permanente
  nod sez  B   H   Af+   Af-   c+   c-   sc  c      N         M      sf  c      N         M   Wk(mm)  st
Sm(mm)  c
```

```
   3   o  50  25   2.4   2.4  5.5  5.5   0.0  1  0.00E00  3.83E01     0.9  1  0.00E00  3.83E01   0.00  0.0
0.0  1

       v  50  25   1.6   1.6  4.5  4.5  -1.2  1  0.00E00  2.32E03    76.6  1  0.00E00  2.32E03   0.00  0.0
0.0  1

   6   o  50  25   2.4   2.4  5.5  5.5  -0.1  1  0.00E00  1.89E02     4.4  1  0.00E00  1.89E02   0.00  0.0
0.0  1

       v  70  25   2.4   2.4  4.5  4.5  -1.2  1  0.00E00  3.21E03    70.9  1  0.00E00  3.21E03   0.00  0.0
0.0  1
```

```
Verifiche geotecniche

Dati geometrici dell'impronta di calcolo
Forma dell'impronta di calcolo: rettangolare di area equivalente
Coordinata X del centro impronta: 125
Coordinata Y del centro impronta: 150
Coordinata Z del centro impronta: -25
Lato minore B dell'impronta: 50
Lato maggiore L dell'impronta: 100
Area dell'impronta rettangolare di calcolo: 5000


Verifica di capacità portante sul piano di posa - Caso statico


Combinazione con fattore di sicurezza minore: SLU 8
Azione di progetto (risultante del carico normale al piano di posa): -1496.88
Resistenza di progetto: 76135.27
Coefficiente parziale applicato alla resistenza: 2.3
Coefficiente di sicurezza normalizzato kp min (Rd/Ed): 50.86


Parametri utilizzati nel calcolo:
Forza risultante agente in direzione x: 0
Forza risultante agente in direzione y: 0
Forza risultante agente in direzione z: -1496.88
Momento agente in direzione x: 0
Momento agente in direzione y: 0
Inclinazione del carico in direzione x (deg): 0
Inclinazione del carico in direzione y (deg): 0
Eccentricità del carico in direzione x: 0
Eccentricità del carico in direzione y: 0
Impronta al suolo (BxL): 50 x 100
Larghezza efficace (B'=B-2*e): 50
Lunghezza efficace (L'=L-2*e): 100
Coesione di progetto: 1.5
Sovraccarico di progetto: .04
Peso specifico di progetto del suolo : 0.0023
Angolo di attrito di progetto (deg): 20


Fattori di capacità portante
```

N	S	D	I	B	G	E	Tipo
17.69	1.30	0.00	0.00	0.00	0.00	1.00	Coesione
7.44	0.00	0.00	0.00	0.00	0.00	1.00	Sovraccarico
4.97	0.80	0.00	0.00	0.00	0.00	1.00	Attrito

```
Verifica di capacità portante sul piano di posa - Caso sismico


Combinazione con fattore di sicurezza minore: SLV fondazioni 16
Azione di progetto (risultante del carico normale al piano di posa): -1143.75
Resistenza di progetto: 47158.07
Coefficiente parziale applicato alla resistenza: 2.3
Coefficiente di sicurezza normalizzato kp min (Rd/Ed): 41.23
```

Parametri utilizzati nel calcolo:

Forza risultante agente in direzione x: 96.4

Forza risultante agente in direzione y: 28.92

Forza risultante agente in direzione z: -1143.75

Momento agente in direzione x: -2808.28

Momento agente in direzione y: 9360.93

Inclinazione del carico in direzione x (deg): 4.82

Inclinazione del carico in direzione y (deg): 1.45

Eccentricità del carico in direzione x: 8.18

Eccentricità del carico in direzione y: -2.46

Impronta al suolo (BxL): 50 x 100

Larghezza efficace (B'=B-2*e): 33.63

Lunghezza efficace (L'=L-2*e): 95.09

Coesione di progetto: 1.5

Sovraccarico di progetto: .04

Peso specifico di progetto del suolo : 0.0023

Angolo di attrito di progetto (deg): 20

Accelerazione normalizzata massima al suolo: .09

Fattori di capacità portante

N	S	D	I	B	G	E	Tipo
17.69	1.30	0.00	0.00	0.00	0.00	0.97	Coesione
7.44	0.00	0.00	0.00	0.00	0.00	0.91	Sovraccarico
4.97	0.80	0.00	0.00	0.00	0.00	0.91	Attrito

1.1.11 *muretto*

Parete fra le coordinate in pianta (125;100) (125;200)

da quota -50 a quota 100

Valori in daN, cm

C20/25: rck 250

fyk 4500

Verifica di stato limite ultimo

nod	sez	B	H	Af+	Af-	c+	c-	c.s.	comb	N	M	Nu	Mu
6	o	70	25	3.4	3.4	4.6	4.6	100.285	3 SLV	-485	-6674	-48591	669297
	v	75	25	3.1	3.1	3.5	3.5	642.934	3 SLV	-34	-732	-21687	470481
22	o	90	25	4.5	4.5	4.6	4.6	150.889	3 SLV	-564	-6636	-85105	1001299
	v	96	25	3.9	3.9	3.5	3.5	558.171	3 SLV	-5	-642	-2831	358417

Combinazione rara

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	st	Sm(mm)	c
6	o	70	25	3.4	3.4	4.6	4.6	-0.3	2	-5.41E02	8.75E-12	-4.4	2	-5.41E02	8.75E-12	0.00	0.0	0.0	2
	v	75	25	3.1	3.1	3.5	3.5	0.0	2	-4.40E01	-3.14E-12	-0.3	2	-4.40E01	-3.14E-12	0.00	0.0	0.0	2
22	o	90	25	4.5	4.5	4.6	4.6	-0.3	2	-7.00E02	2.60E-12	-4.4	2	-7.00E02	2.60E-12	0.00	0.0	0.0	2
	v	96	25	3.9	3.9	3.5	3.5	0.0	2	-2.68E01	2.21E-12	-0.2	2	-2.68E01	2.21E-12	0.00	0.0	0.0	2

Combinazione frequente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	st	Sm(mm)	c
6	o	70	25	3.4	3.4	4.6	4.6	-0.3	1	-5.41E02	8.75E-12	-4.4	1	-5.41E02	8.75E-12	0.00	0.0		

```
0.0  1
      v  75  25   3.1   3.1  3.5  3.5    0.0  1 -4.40E01-3.14E-12    -0.3  1 -4.40E01-3.14E-12    0.00  0.0
0.0  1
  22  o  90  25   4.5   4.5  4.6  4.6   -0.3  1 -7.00E02 2.60E-12    -4.4  1 -7.00E02 2.60E-12    0.00  0.0
0.0  1
      v  96  25   3.9   3.9  3.5  3.5    0.0  1 -2.68E01 2.21E-12    -0.2  1 -2.68E01 2.21E-12    0.00  0.0
0.0  1
```

```
Combinazione quasi permanente
  nod sez   B   H   Af+   Af-  c+   c-    sc  c        N        M    sf  c        N        M Wk(mm)   st
Sm(mm)  c
   6  o  70  25   3.4   3.4  4.6  4.6   -0.3  1 -5.41E02 8.75E-12    -4.4  1 -5.41E02 8.75E-12    0.00  0.0
0.0  1
      v  75  25   3.1   3.1  3.5  3.5    0.0  1 -4.40E01-3.14E-12    -0.3  1 -4.40E01-3.14E-12    0.00  0.0
0.0  1
  22  o  90  25   4.5   4.5  4.6  4.6   -0.3  1 -7.00E02 2.60E-12    -4.4  1 -7.00E02 2.60E-12    0.00  0.0
0.0  1
      v  96  25   3.9   3.9  3.5  3.5    0.0  1 -2.68E01 2.21E-12    -0.2  1 -2.68E01 2.21E-12    0.00  0.0
0.0  1
```

1.1.12 *Basamento pompa di calore*

```
Valori in daN, cm
C25/30: rck 300
fyk 4500
```

```
Verifica di stato limite ultimo
  nod sez   B   H   Af+   Af-  c+   c-     c.s.     comb       N        M      Nu       Mu
 546  o 100  20   4.5   4.5  4.8  4.8   101.320     7 SLU      0     2987      0   -302690
      v 100  20   4.5   4.5  3.6  3.6   268.363     7 SLU      0     1106      0   -296750
 549  o 100  20   4.5   4.5  4.8  4.8   101.320     7 SLU      0     2987      0   -302690
      v 100  20   4.5   4.5  3.6  3.6   268.361     7 SLU      0     1106      0   -296750
```

```
Combinazione rara
  nod sez   B   H   Af+   Af-  c+   c-    sc  c        N        M    sf  c        N        M Wk(mm)   st
Sm(mm)  c
 546  o 100  20   4.5   4.5  4.8  4.8   -0.8  1  0.00E00  1.99E03   31.2  1  0.00E00  1.99E03    0.00  0.0
0.0  2
      v 100  20   4.5   4.5  3.6  3.6   -0.2  1  0.00E00  7.37E02   10.9  1  0.00E00  7.37E02    0.00  0.0
0.0  2
 549  o 100  20   4.5   4.5  4.8  4.8   -0.8  1  0.00E00  1.99E03   31.2  1  0.00E00  1.99E03    0.00  0.0
0.0  2
      v 100  20   4.5   4.5  3.6  3.6   -0.2  1  0.00E00  7.37E02   10.9  1  0.00E00  7.37E02    0.00  0.0
0.0  2
```

```
Combinazione frequente
  nod sez   B   H   Af+   Af-  c+   c-    sc  c        N        M    sf  c        N        M Wk(mm)   st
Sm(mm)  c
 546  o 100  20   4.5   4.5  4.8  4.8   -0.8  1  0.00E00  1.99E03   31.2  1  0.00E00  1.99E03    0.00  0.0
0.0  1
      v 100  20   4.5   4.5  3.6  3.6   -0.2  1  0.00E00  7.37E02   10.9  1  0.00E00  7.37E02    0.00  0.0
0.0  1
 549  o 100  20   4.5   4.5  4.8  4.8   -0.8  1  0.00E00  1.99E03   31.2  1  0.00E00  1.99E03    0.00  0.0
0.0  1
```

```
      v 100  20   4.5   4.5   3.6   3.6   -0.2  1  0.00E00  7.37E02   10.9  1  0.00E00  7.37E02   0.00  0.0
0.0  1
```

Combinazione quasi permanente
```
 nod sez   B    H    Af+   Af-   c+    c-     sc  c        N         M     sf  c        N          M Wk(mm)   st
Sm(mm)  c
 546  o 100  20   4.5   4.5   4.8   4.8   -0.8  1  0.00E00  1.99E03   31.2  1  0.00E00  1.99E03   0.00  0.0
0.0  1
      v 100  20   4.5   4.5   3.6   3.6   -0.2  1  0.00E00  7.37E02   10.9  1  0.00E00  7.37E02   0.00  0.0
0.0  1
 549  o 100  20   4.5   4.5   4.8   4.8   -0.8  1  0.00E00  1.99E03   31.2  1  0.00E00  1.99E03   0.00  0.0
0.0  1
      v 100  20   4.5   4.5   3.6   3.6   -0.2  1  0.00E00  7.37E02   10.9  1  0.00E00  7.37E02   0.00  0.0
0.0  1
```

1.2 Verifiche giunti sismici

Comb	*combinazione nella quale viene valutato lo spostamento*
Spostlx	*spostamento nodo iniziale (componente lungo asse globale X) [cm]*
Spostly	*spostamento nodo iniziale (componente lungo asse globale Y) [cm]*
SpostJx	*spostamento nodo finale (componente lungo asse globale X) [cm]*
SpostJy	*spostamento nodo finale (componente lungo asse globale Y) [cm]*
Min	*Larghezza minima [cm]*
Max	*Larghezza massima [cm]*
Bordo sinistro	*Spostamento bordo sinistro*
Bordo destro	*Spostamento bordo destro*
Larghezza	*Larghezza del giunto*

Le unità di misura delle verifiche elencate nel capitolo sono in [cm] ove non espressamente specificato.

1.2.1 *Giunto sismico Piano terra fili 1-2*

Larghezza del giunto: 1

Bordo sinistro

Elementi: Trave C.A. livello Piano terra fili 1-2

Punto iniziale: -3; -2

Punto finale: -3; 282

Nodo iniziale: 185

Nodo finale: 235

Bordo destro

Elementi: Trave C.A. livello Piano terra fili 1-2

Punto iniziale: -2; 282

Punto finale: -2; -2

Nodo iniziale: 229

Nodo finale: 188

Verifiche condotte secondo D.M. 14-01-08 (N.T.C.)

Larghezza minima giunto (§ 7.2.2): 1/100 * h * ag*S/0.5g = 0.9 < 1

dove:

h = 500 (misurata dallo zero sismico = -500)

ag/g = 0.07 (SLV)

S = 1.2 (SLV)

Valutazione della larghezza minima eseguita nelle combinazioni SLV (§ 7.2.2)

Coefficiente amplificativo parte sismica degli spostamenti SLV (§ 7.3.3.3 formula (7.38)): 3.567

Larghezza minima SLV = 0.24 - Verifiche soddisfatte

Larghezza massima SLV = 1.76

Larghezza minima SLD = 0.82

Larghezza massima SLD = 1.18

Valutazione larghezza giunto nelle combinazioni SLV

Bordo sinistro				Bordo destro					Larghezza		
Comb	SpostIx	SpostIy	SpostJx	SpostJy	Comb	SpostIx	SpostIy	SpostJx	SpostJy	Min	Max	
SLV 1	0	0	0	0	SLV 1	-0.671	-0.147	-0.757	-0.146	0.24	0.33	
					SLV 2	-0.671	-0.147	-0.757	-0.146	0.24	0.33	
					SLV 3	-0.666	0.392	-0.753	0.392	0.25	0.33	
					SLV 4	-0.666	0.392	-0.753	0.392	0.25	0.33	
					SLV 5	-0.208	-0.814	-0.234	-0.814	0.77	0.79	
					SLV 6	-0.208	-0.814	-0.234	-0.814	0.77	0.79	
					SLV 7	-0.193	0.982	-0.218	0.981	0.78	0.81	
					SLV 8	-0.193	0.982	-0.218	0.981	0.78	0.81	
					SLV 9	0.194	-0.848	0.219	-0.848	1.19	1.22	
					SLV 10	0.194	-0.848	0.219	-0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	-0.259	0.754	-0.259	1.67	1.75	
					SLV 14	0.667	-0.259	0.754	-0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 2	0	0	0	0	SLV 1	-0.671	-0.147	-0.757	-0.146	0.24	0.33	
					SLV 2	-0.671	-0.147	-0.757	-0.146	0.24	0.33	
					SLV 3	-0.666	0.392	-0.753	0.392	0.25	0.33	
					SLV 4	-0.666	0.392	-0.753	0.392	0.25	0.33	
					SLV 5	-0.208	-0.814	-0.234	-0.814	0.77	0.79	
					SLV 6	-0.208	-0.814	-0.234	-0.814	0.77	0.79	
					SLV 7	-0.193	0.982	-0.218	0.981	0.78	0.81	
					SLV 8	-0.193	0.982	-0.218	0.981	0.78	0.81	
					SLV 9	0.194	-0.848	0.219	-0.848	1.19	1.22	
					SLV 10	0.194	-0.848	0.219	-0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	-0.259	0.754	-0.259	1.67	1.75	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 3	0	0	0	0	SLV 1	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 2	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 3	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 4	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 5	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 6	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 7	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 8	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 9	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 10	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 4	0	0	0	0	SLV 1	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 2	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 3	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 4	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 5	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 6	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 7	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 8	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 9	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 10	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 5	0	0	0	0	SLV 1	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 2	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 3	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 4	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 5	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 6	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 7	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 8	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 9	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 10	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	−0.259	0.754	−0.259	1.67	1.75	

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 6	0	0	0	0	SLV 1	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 2	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 3	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 4	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 5	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 6	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 7	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 8	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 9	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 10	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 7	0	0	0	0	SLV 1	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 2	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 3	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 4	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 5	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 6	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 7	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 8	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 9	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 10	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 8	0	0	0	0	SLV 1	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 2	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 3	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 4	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 5	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 6	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 7	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 8	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 9	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 10	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	−0.259	0.754	−0.259	1.67	1.75	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 9	0	0	0	0	SLV 1	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 2	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 3	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 4	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 5	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 6	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 7	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 8	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 9	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 10	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 10	0	0	0	0	SLV 1	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 2	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 3	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 4	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 5	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 6	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 7	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 8	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 9	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 10	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 11	0	0	0	0	SLV 1	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 2	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 3	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 4	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 5	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 6	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 7	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 8	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 9	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 10	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	−0.259	0.754	−0.259	1.67	1.75	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 12	0	0	0	0	SLV 1	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 2	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 3	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 4	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 5	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 6	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 7	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 8	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 9	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 10	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 13	0	0	0	0	SLV 1	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 2	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 3	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 4	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 5	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 6	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 7	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 8	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 9	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 10	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 14	0	0	0	0	SLV 1	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 2	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 3	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 4	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 5	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 6	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 7	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 8	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 9	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 10	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	−0.259	0.754	−0.259	1.67	1.75	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 15	0	0	0	0	SLV 1	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 2	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 3	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 4	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 5	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 6	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 7	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 8	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 9	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 10	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	
SLV 16	0	0	0	0	SLV 1	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 2	−0.671	−0.147	−0.757	−0.146	0.24	0.33	
					SLV 3	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 4	−0.666	0.392	−0.753	0.392	0.25	0.33	
					SLV 5	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 6	−0.208	−0.814	−0.234	−0.814	0.77	0.79	
					SLV 7	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 8	−0.193	0.982	−0.218	0.981	0.78	0.81	
					SLV 9	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 10	0.194	−0.848	0.219	−0.848	1.19	1.22	
					SLV 11	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 12	0.208	0.948	0.235	0.948	1.21	1.24	
					SLV 13	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 14	0.667	−0.259	0.754	−0.259	1.67	1.75	
					SLV 15	0.671	0.28	0.759	0.28	1.67	1.76	
					SLV 16	0.671	0.28	0.759	0.28	1.67	1.76	

Valutazione larghezza giunto nelle combinazioni SLD

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
SLD 1	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 2	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 3	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 4	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 5	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 6	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 7	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 8	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 9	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 10	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	

	Bordo sinistro					Bordo destro				Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 11	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 12	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 13	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 14	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 15	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	
SLD 16	0	0	0	0	SLD 1	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 2	−0.16	0.016	−0.181	0.016	0.82	0.84	
					SLD 3	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 4	−0.159	0.145	−0.179	0.144	0.82	0.84	
					SLD 5	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 6	−0.049	−0.144	−0.055	−0.144	0.94	0.95	
					SLD 7	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 8	−0.046	0.285	−0.052	0.285	0.95	0.95	
					SLD 9	0.047	−0.152	0.053	−0.152	1.05	1.05	

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 10	0.047	−0.152	0.053	−0.152	1.05	1.05	
					SLD 11	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 12	0.05	0.277	0.057	0.277	1.05	1.06	
					SLD 13	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 14	0.16	−0.011	0.181	−0.011	1.16	1.18	
					SLD 15	0.161	0.118	0.182	0.118	1.16	1.18	
					SLD 16	0.161	0.118	0.182	0.118	1.16	1.18	

1.2.2 *Giunto sismico Piano terra fili 1-3*

Larghezza del giunto: 1

Bordo sinistro

Elementi: Trave C.A. livello Piano terra fili 3-1

Punto iniziale: -2; -2

Punto finale: 332; -2

Nodo iniziale: 196

Nodo finale: 202

Bordo destro

Elementi: Trave C.A. livello Piano terra fili 3-1

Punto iniziale: 332; -3

Punto finale: -2; -3

Nodo iniziale: 184

Nodo finale: 183

Verifiche condotte secondo D.M. 14-01-08 (N.T.C.)

Larghezza minima giunto (§ 7.2.2): 1/100 * h * ag*S/0.5g = 0.9 < 1

dove:

h = 500 (misurata dallo zero sismico = -500)

ag/g = 0.07 (SLV)

S = 1.2 (SLV)

Valutazione della larghezza minima eseguita nelle combinazioni SLV (§ 7.2.2)

Coefficiente amplificativo parte sismica degli spostamenti SLV (§ 7.3.3.3 formula (7.38)): 3.567

Larghezza minima SLV = 0.15 - Verifiche soddisfatte

Larghezza massima SLV = 1.98

Larghezza minima SLD = 0.85

Larghezza massima SLD = 1.29

Valutazione larghezza giunto nelle combinazioni SLV

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
SLV 1	−0.757	−0.146	−0.757	−0.255	SLV 1	0	0	0	0	0.74	0.85	
					SLV 2	0	0	0	0	0.74	0.85	
					SLV 3	0	0	0	0	0.74	0.85	
					SLV 4	0	0	0	0	0.74	0.85	
					SLV 5	0	0	0	0	0.74	0.85	
					SLV 6	0	0	0	0	0.74	0.85	
					SLV 7	0	0	0	0	0.74	0.85	
					SLV 8	0	0	0	0	0.74	0.85	
					SLV 9	0	0	0	0	0.74	0.85	
					SLV 10	0	0	0	0	0.74	0.85	
					SLV 11	0	0	0	0	0.74	0.85	
					SLV 12	0	0	0	0	0.74	0.85	
					SLV 13	0	0	0	0	0.74	0.85	
					SLV 14	0	0	0	0	0.74	0.85	
					SLV 15	0	0	0	0	0.74	0.85	
					SLV 16	0	0	0	0	0.74	0.85	
SLV 2	−0.757	−0.146	−0.757	−0.255	SLV 1	0	0	0	0	0.74	0.85	
					SLV 2	0	0	0	0	0.74	0.85	
					SLV 3	0	0	0	0	0.74	0.85	
					SLV 4	0	0	0	0	0.74	0.85	
					SLV 5	0	0	0	0	0.74	0.85	
					SLV 6	0	0	0	0	0.74	0.85	
					SLV 7	0	0	0	0	0.74	0.85	
					SLV 8	0	0	0	0	0.74	0.85	
					SLV 9	0	0	0	0	0.74	0.85	
					SLV 10	0	0	0	0	0.74	0.85	
					SLV 11	0	0	0	0	0.74	0.85	
					SLV 12	0	0	0	0	0.74	0.85	
					SLV 13	0	0	0	0	0.74	0.85	
					SLV 14	0	0	0	0	0.74	0.85	
					SLV 15	0	0	0	0	0.74	0.85	
					SLV 16	0	0	0	0	0.74	0.85	
SLV 3	−0.752	0.393	−0.752	0.283	SLV 1	0	0	0	0	1.28	1.39	
					SLV 2	0	0	0	0	1.28	1.39	
					SLV 3	0	0	0	0	1.28	1.39	
					SLV 4	0	0	0	0	1.28	1.39	
					SLV 5	0	0	0	0	1.28	1.39	
					SLV 6	0	0	0	0	1.28	1.39	
					SLV 7	0	0	0	0	1.28	1.39	
					SLV 8	0	0	0	0	1.28	1.39	
					SLV 9	0	0	0	0	1.28	1.39	
					SLV 10	0	0	0	0	1.28	1.39	
					SLV 11	0	0	0	0	1.28	1.39	
					SLV 12	0	0	0	0	1.28	1.39	
					SLV 13	0	0	0	0	1.28	1.39	

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 14	0	0	0	0	1.28	1.39	
					SLV 15	0	0	0	0	1.28	1.39	
					SLV 16	0	0	0	0	1.28	1.39	
SLV 4	-0.752	0.393	-0.752	0.283	SLV 1	0	0	0	0	1.28	1.39	
					SLV 2	0	0	0	0	1.28	1.39	
					SLV 3	0	0	0	0	1.28	1.39	
					SLV 4	0	0	0	0	1.28	1.39	
					SLV 5	0	0	0	0	1.28	1.39	
					SLV 6	0	0	0	0	1.28	1.39	
					SLV 7	0	0	0	0	1.28	1.39	
					SLV 8	0	0	0	0	1.28	1.39	
					SLV 9	0	0	0	0	1.28	1.39	
					SLV 10	0	0	0	0	1.28	1.39	
					SLV 11	0	0	0	0	1.28	1.39	
					SLV 12	0	0	0	0	1.28	1.39	
					SLV 13	0	0	0	0	1.28	1.39	
					SLV 14	0	0	0	0	1.28	1.39	
					SLV 15	0	0	0	0	1.28	1.39	
					SLV 16	0	0	0	0	1.28	1.39	
SLV 5	-0.234	-0.814	-0.234	-0.847	SLV 1	0	0	0	0	0.15	0.19	
					SLV 2	0	0	0	0	0.15	0.19	
					SLV 3	0	0	0	0	0.15	0.19	
					SLV 4	0	0	0	0	0.15	0.19	
					SLV 5	0	0	0	0	0.15	0.19	
					SLV 6	0	0	0	0	0.15	0.19	
					SLV 7	0	0	0	0	0.15	0.19	
					SLV 8	0	0	0	0	0.15	0.19	
					SLV 9	0	0	0	0	0.15	0.19	
					SLV 10	0	0	0	0	0.15	0.19	
					SLV 11	0	0	0	0	0.15	0.19	
					SLV 12	0	0	0	0	0.15	0.19	
					SLV 13	0	0	0	0	0.15	0.19	
					SLV 14	0	0	0	0	0.15	0.19	
					SLV 15	0	0	0	0	0.15	0.19	
					SLV 16	0	0	0	0	0.15	0.19	
SLV 6	-0.234	-0.814	-0.234	-0.847	SLV 1	0	0	0	0	0.15	0.19	
					SLV 2	0	0	0	0	0.15	0.19	
					SLV 3	0	0	0	0	0.15	0.19	
					SLV 4	0	0	0	0	0.15	0.19	
					SLV 5	0	0	0	0	0.15	0.19	
					SLV 6	0	0	0	0	0.15	0.19	
					SLV 7	0	0	0	0	0.15	0.19	
					SLV 8	0	0	0	0	0.15	0.19	
					SLV 9	0	0	0	0	0.15	0.19	
					SLV 10	0	0	0	0	0.15	0.19	
					SLV 11	0	0	0	0	0.15	0.19	
					SLV 12	0	0	0	0	0.15	0.19	
					SLV 13	0	0	0	0	0.15	0.19	

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 14	0	0	0	0	0.15	0.19	
					SLV 15	0	0	0	0	0.15	0.19	
					SLV 16	0	0	0	0	0.15	0.19	
SLV 7	-0.218	0.982	-0.219	0.949	SLV 1	0	0	0	0	1.95	1.98	
					SLV 2	0	0	0	0	1.95	1.98	
					SLV 3	0	0	0	0	1.95	1.98	
					SLV 4	0	0	0	0	1.95	1.98	
					SLV 5	0	0	0	0	1.95	1.98	
					SLV 6	0	0	0	0	1.95	1.98	
					SLV 7	0	0	0	0	1.95	1.98	
					SLV 8	0	0	0	0	1.95	1.98	
					SLV 9	0	0	0	0	1.95	1.98	
					SLV 10	0	0	0	0	1.95	1.98	
					SLV 11	0	0	0	0	1.95	1.98	
					SLV 12	0	0	0	0	1.95	1.98	
					SLV 13	0	0	0	0	1.95	1.98	
					SLV 14	0	0	0	0	1.95	1.98	
					SLV 15	0	0	0	0	1.95	1.98	
					SLV 16	0	0	0	0	1.95	1.98	
SLV 8	-0.218	0.982	-0.219	0.949	SLV 1	0	0	0	0	1.95	1.98	
					SLV 2	0	0	0	0	1.95	1.98	
					SLV 3	0	0	0	0	1.95	1.98	
					SLV 4	0	0	0	0	1.95	1.98	
					SLV 5	0	0	0	0	1.95	1.98	
					SLV 6	0	0	0	0	1.95	1.98	
					SLV 7	0	0	0	0	1.95	1.98	
					SLV 8	0	0	0	0	1.95	1.98	
					SLV 9	0	0	0	0	1.95	1.98	
					SLV 10	0	0	0	0	1.95	1.98	
					SLV 11	0	0	0	0	1.95	1.98	
					SLV 12	0	0	0	0	1.95	1.98	
					SLV 13	0	0	0	0	1.95	1.98	
					SLV 14	0	0	0	0	1.95	1.98	
					SLV 15	0	0	0	0	1.95	1.98	
					SLV 16	0	0	0	0	1.95	1.98	
SLV 9	0.219	-0.848	0.219	-0.816	SLV 1	0	0	0	0	0.15	0.18	
					SLV 2	0	0	0	0	0.15	0.18	
					SLV 3	0	0	0	0	0.15	0.18	
					SLV 4	0	0	0	0	0.15	0.18	
					SLV 5	0	0	0	0	0.15	0.18	
					SLV 6	0	0	0	0	0.15	0.18	
					SLV 7	0	0	0	0	0.15	0.18	
					SLV 8	0	0	0	0	0.15	0.18	
					SLV 9	0	0	0	0	0.15	0.18	
					SLV 10	0	0	0	0	0.15	0.18	
					SLV 11	0	0	0	0	0.15	0.18	
					SLV 12	0	0	0	0	0.15	0.18	
					SLV 13	0	0	0	0	0.15	0.18	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 14	0	0	0	0	0.15	0.18	
					SLV 15	0	0	0	0	0.15	0.18	
					SLV 16	0	0	0	0	0.15	0.18	
SLV 10	0.219	−0.848	0.219	−0.816	SLV 1	0	0	0	0	0.15	0.18	
					SLV 2	0	0	0	0	0.15	0.18	
					SLV 3	0	0	0	0	0.15	0.18	
					SLV 4	0	0	0	0	0.15	0.18	
					SLV 5	0	0	0	0	0.15	0.18	
					SLV 6	0	0	0	0	0.15	0.18	
					SLV 7	0	0	0	0	0.15	0.18	
					SLV 8	0	0	0	0	0.15	0.18	
					SLV 9	0	0	0	0	0.15	0.18	
					SLV 10	0	0	0	0	0.15	0.18	
					SLV 11	0	0	0	0	0.15	0.18	
					SLV 12	0	0	0	0	0.15	0.18	
					SLV 13	0	0	0	0	0.15	0.18	
					SLV 14	0	0	0	0	0.15	0.18	
					SLV 15	0	0	0	0	0.15	0.18	
					SLV 16	0	0	0	0	0.15	0.18	
SLV 11	0.235	0.947	0.234	0.981	SLV 1	0	0	0	0	1.95	1.98	
					SLV 2	0	0	0	0	1.95	1.98	
					SLV 3	0	0	0	0	1.95	1.98	
					SLV 4	0	0	0	0	1.95	1.98	
					SLV 5	0	0	0	0	1.95	1.98	
					SLV 6	0	0	0	0	1.95	1.98	
					SLV 7	0	0	0	0	1.95	1.98	
					SLV 8	0	0	0	0	1.95	1.98	
					SLV 9	0	0	0	0	1.95	1.98	
					SLV 10	0	0	0	0	1.95	1.98	
					SLV 11	0	0	0	0	1.95	1.98	
					SLV 12	0	0	0	0	1.95	1.98	
					SLV 13	0	0	0	0	1.95	1.98	
					SLV 14	0	0	0	0	1.95	1.98	
					SLV 15	0	0	0	0	1.95	1.98	
					SLV 16	0	0	0	0	1.95	1.98	
SLV 12	0.235	0.947	0.234	0.981	SLV 1	0	0	0	0	1.95	1.98	
					SLV 2	0	0	0	0	1.95	1.98	
					SLV 3	0	0	0	0	1.95	1.98	
					SLV 4	0	0	0	0	1.95	1.98	
					SLV 5	0	0	0	0	1.95	1.98	
					SLV 6	0	0	0	0	1.95	1.98	
					SLV 7	0	0	0	0	1.95	1.98	
					SLV 8	0	0	0	0	1.95	1.98	
					SLV 9	0	0	0	0	1.95	1.98	
					SLV 10	0	0	0	0	1.95	1.98	
					SLV 11	0	0	0	0	1.95	1.98	
					SLV 12	0	0	0	0	1.95	1.98	
					SLV 13	0	0	0	0	1.95	1.98	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 14	0	0	0	0	1.95	1.98	
					SLV 15	0	0	0	0	1.95	1.98	
					SLV 16	0	0	0	0	1.95	1.98	
SLV 13	0.753	−0.26	0.753	−0.15	SLV 1	0	0	0	0	0.74	0.85	
					SLV 2	0	0	0	0	0.74	0.85	
					SLV 3	0	0	0	0	0.74	0.85	
					SLV 4	0	0	0	0	0.74	0.85	
					SLV 5	0	0	0	0	0.74	0.85	
					SLV 6	0	0	0	0	0.74	0.85	
					SLV 7	0	0	0	0	0.74	0.85	
					SLV 8	0	0	0	0	0.74	0.85	
					SLV 9	0	0	0	0	0.74	0.85	
					SLV 10	0	0	0	0	0.74	0.85	
					SLV 11	0	0	0	0	0.74	0.85	
					SLV 12	0	0	0	0	0.74	0.85	
					SLV 13	0	0	0	0	0.74	0.85	
					SLV 14	0	0	0	0	0.74	0.85	
					SLV 15	0	0	0	0	0.74	0.85	
					SLV 16	0	0	0	0	0.74	0.85	
SLV 14	0.753	−0.26	0.753	−0.15	SLV 1	0	0	0	0	0.74	0.85	
					SLV 2	0	0	0	0	0.74	0.85	
					SLV 3	0	0	0	0	0.74	0.85	
					SLV 4	0	0	0	0	0.74	0.85	
					SLV 5	0	0	0	0	0.74	0.85	
					SLV 6	0	0	0	0	0.74	0.85	
					SLV 7	0	0	0	0	0.74	0.85	
					SLV 8	0	0	0	0	0.74	0.85	
					SLV 9	0	0	0	0	0.74	0.85	
					SLV 10	0	0	0	0	0.74	0.85	
					SLV 11	0	0	0	0	0.74	0.85	
					SLV 12	0	0	0	0	0.74	0.85	
					SLV 13	0	0	0	0	0.74	0.85	
					SLV 14	0	0	0	0	0.74	0.85	
					SLV 15	0	0	0	0	0.74	0.85	
					SLV 16	0	0	0	0	0.74	0.85	
SLV 15	0.758	0.279	0.757	0.389	SLV 1	0	0	0	0	1.28	1.39	
					SLV 2	0	0	0	0	1.28	1.39	
					SLV 3	0	0	0	0	1.28	1.39	
					SLV 4	0	0	0	0	1.28	1.39	
					SLV 5	0	0	0	0	1.28	1.39	
					SLV 6	0	0	0	0	1.28	1.39	
					SLV 7	0	0	0	0	1.28	1.39	
					SLV 8	0	0	0	0	1.28	1.39	
					SLV 9	0	0	0	0	1.28	1.39	
					SLV 10	0	0	0	0	1.28	1.39	
					SLV 11	0	0	0	0	1.28	1.39	
					SLV 12	0	0	0	0	1.28	1.39	
					SLV 13	0	0	0	0	1.28	1.39	

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 14	0	0	0	0	1.28	1.39	
					SLV 15	0	0	0	0	1.28	1.39	
					SLV 16	0	0	0	0	1.28	1.39	
SLV 16	0.758	0.279	0.757	0.389	SLV 1	0	0	0	0	1.28	1.39	
					SLV 2	0	0	0	0	1.28	1.39	
					SLV 3	0	0	0	0	1.28	1.39	
					SLV 4	0	0	0	0	1.28	1.39	
					SLV 5	0	0	0	0	1.28	1.39	
					SLV 6	0	0	0	0	1.28	1.39	
					SLV 7	0	0	0	0	1.28	1.39	
					SLV 8	0	0	0	0	1.28	1.39	
					SLV 9	0	0	0	0	1.28	1.39	
					SLV 10	0	0	0	0	1.28	1.39	
					SLV 11	0	0	0	0	1.28	1.39	
					SLV 12	0	0	0	0	1.28	1.39	
					SLV 13	0	0	0	0	1.28	1.39	
					SLV 14	0	0	0	0	1.28	1.39	
					SLV 15	0	0	0	0	1.28	1.39	
					SLV 16	0	0	0	0	1.28	1.39	

Valutazione larghezza giunto nelle combinazioni SLD

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
SLD 1	−0.18	0.016	−0.181	−0.01	SLD 1	0	0	0	0	0.99	1.02	
					SLD 2	0	0	0	0	0.99	1.02	
					SLD 3	0	0	0	0	0.99	1.02	
					SLD 4	0	0	0	0	0.99	1.02	
					SLD 5	0	0	0	0	0.99	1.02	
					SLD 6	0	0	0	0	0.99	1.02	
					SLD 7	0	0	0	0	0.99	1.02	
					SLD 8	0	0	0	0	0.99	1.02	
					SLD 9	0	0	0	0	0.99	1.02	
					SLD 10	0	0	0	0	0.99	1.02	
					SLD 11	0	0	0	0	0.99	1.02	
					SLD 12	0	0	0	0	0.99	1.02	
					SLD 13	0	0	0	0	0.99	1.02	
					SLD 14	0	0	0	0	0.99	1.02	
					SLD 15	0	0	0	0	0.99	1.02	
					SLD 16	0	0	0	0	0.99	1.02	
SLD 2	−0.18	0.016	−0.181	−0.01	SLD 1	0	0	0	0	0.99	1.02	
					SLD 2	0	0	0	0	0.99	1.02	
					SLD 3	0	0	0	0	0.99	1.02	
					SLD 4	0	0	0	0	0.99	1.02	
					SLD 5	0	0	0	0	0.99	1.02	
					SLD 6	0	0	0	0	0.99	1.02	
					SLD 7	0	0	0	0	0.99	1.02	
					SLD 8	0	0	0	0	0.99	1.02	
					SLD 9	0	0	0	0	0.99	1.02	

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 10	0	0	0	0	0.99	1.02	
					SLD 11	0	0	0	0	0.99	1.02	
					SLD 12	0	0	0	0	0.99	1.02	
					SLD 13	0	0	0	0	0.99	1.02	
					SLD 14	0	0	0	0	0.99	1.02	
					SLD 15	0	0	0	0	0.99	1.02	
					SLD 16	0	0	0	0	0.99	1.02	
SLD 3	-0.179	0.145	-0.18	0.119	SLD 1	0	0	0	0	1.12	1.14	
					SLD 2	0	0	0	0	1.12	1.14	
					SLD 3	0	0	0	0	1.12	1.14	
					SLD 4	0	0	0	0	1.12	1.14	
					SLD 5	0	0	0	0	1.12	1.14	
					SLD 6	0	0	0	0	1.12	1.14	
					SLD 7	0	0	0	0	1.12	1.14	
					SLD 8	0	0	0	0	1.12	1.14	
					SLD 9	0	0	0	0	1.12	1.14	
					SLD 10	0	0	0	0	1.12	1.14	
					SLD 11	0	0	0	0	1.12	1.14	
					SLD 12	0	0	0	0	1.12	1.14	
					SLD 13	0	0	0	0	1.12	1.14	
					SLD 14	0	0	0	0	1.12	1.14	
					SLD 15	0	0	0	0	1.12	1.14	
					SLD 16	0	0	0	0	1.12	1.14	
SLD 4	-0.179	0.145	-0.18	0.119	SLD 1	0	0	0	0	1.12	1.14	
					SLD 2	0	0	0	0	1.12	1.14	
					SLD 3	0	0	0	0	1.12	1.14	
					SLD 4	0	0	0	0	1.12	1.14	
					SLD 5	0	0	0	0	1.12	1.14	
					SLD 6	0	0	0	0	1.12	1.14	
					SLD 7	0	0	0	0	1.12	1.14	
					SLD 8	0	0	0	0	1.12	1.14	
					SLD 9	0	0	0	0	1.12	1.14	
					SLD 10	0	0	0	0	1.12	1.14	
					SLD 11	0	0	0	0	1.12	1.14	
					SLD 12	0	0	0	0	1.12	1.14	
					SLD 13	0	0	0	0	1.12	1.14	
					SLD 14	0	0	0	0	1.12	1.14	
					SLD 15	0	0	0	0	1.12	1.14	
					SLD 16	0	0	0	0	1.12	1.14	
SLD 5	-0.055	-0.144	-0.056	-0.152	SLD 1	0	0	0	0	0.85	0.86	
					SLD 2	0	0	0	0	0.85	0.86	
					SLD 3	0	0	0	0	0.85	0.86	
					SLD 4	0	0	0	0	0.85	0.86	
					SLD 5	0	0	0	0	0.85	0.86	
					SLD 6	0	0	0	0	0.85	0.86	
					SLD 7	0	0	0	0	0.85	0.86	
					SLD 8	0	0	0	0	0.85	0.86	
					SLD 9	0	0	0	0	0.85	0.86	

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 10	0	0	0	0	0.85	0.86	
					SLD 11	0	0	0	0	0.85	0.86	
					SLD 12	0	0	0	0	0.85	0.86	
					SLD 13	0	0	0	0	0.85	0.86	
					SLD 14	0	0	0	0	0.85	0.86	
					SLD 15	0	0	0	0	0.85	0.86	
					SLD 16	0	0	0	0	0.85	0.86	
SLD 6	-0.055	-0.144	-0.056	-0.152	SLD 1	0	0	0	0	0.85	0.86	
					SLD 2	0	0	0	0	0.85	0.86	
					SLD 3	0	0	0	0	0.85	0.86	
					SLD 4	0	0	0	0	0.85	0.86	
					SLD 5	0	0	0	0	0.85	0.86	
					SLD 6	0	0	0	0	0.85	0.86	
					SLD 7	0	0	0	0	0.85	0.86	
					SLD 8	0	0	0	0	0.85	0.86	
					SLD 9	0	0	0	0	0.85	0.86	
					SLD 10	0	0	0	0	0.85	0.86	
					SLD 11	0	0	0	0	0.85	0.86	
					SLD 12	0	0	0	0	0.85	0.86	
					SLD 13	0	0	0	0	0.85	0.86	
					SLD 14	0	0	0	0	0.85	0.86	
					SLD 15	0	0	0	0	0.85	0.86	
					SLD 16	0	0	0	0	0.85	0.86	
SLD 7	-0.052	0.285	-0.052	0.278	SLD 1	0	0	0	0	1.28	1.29	
					SLD 2	0	0	0	0	1.28	1.29	
					SLD 3	0	0	0	0	1.28	1.29	
					SLD 4	0	0	0	0	1.28	1.29	
					SLD 5	0	0	0	0	1.28	1.29	
					SLD 6	0	0	0	0	1.28	1.29	
					SLD 7	0	0	0	0	1.28	1.29	
					SLD 8	0	0	0	0	1.28	1.29	
					SLD 9	0	0	0	0	1.28	1.29	
					SLD 10	0	0	0	0	1.28	1.29	
					SLD 11	0	0	0	0	1.28	1.29	
					SLD 12	0	0	0	0	1.28	1.29	
					SLD 13	0	0	0	0	1.28	1.29	
					SLD 14	0	0	0	0	1.28	1.29	
					SLD 15	0	0	0	0	1.28	1.29	
					SLD 16	0	0	0	0	1.28	1.29	
SLD 8	-0.052	0.285	-0.052	0.278	SLD 1	0	0	0	0	1.28	1.29	
					SLD 2	0	0	0	0	1.28	1.29	
					SLD 3	0	0	0	0	1.28	1.29	
					SLD 4	0	0	0	0	1.28	1.29	
					SLD 5	0	0	0	0	1.28	1.29	
					SLD 6	0	0	0	0	1.28	1.29	
					SLD 7	0	0	0	0	1.28	1.29	
					SLD 8	0	0	0	0	1.28	1.29	
					SLD 9	0	0	0	0	1.28	1.29	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 10	0	0	0	0	1.28	1.29	
					SLD 11	0	0	0	0	1.28	1.29	
					SLD 12	0	0	0	0	1.28	1.29	
					SLD 13	0	0	0	0	1.28	1.29	
					SLD 14	0	0	0	0	1.28	1.29	
					SLD 15	0	0	0	0	1.28	1.29	
					SLD 16	0	0	0	0	1.28	1.29	
SLD 9	0.053	−0.152	0.052	−0.144	SLD 1	0	0	0	0	0.85	0.86	
					SLD 2	0	0	0	0	0.85	0.86	
					SLD 3	0	0	0	0	0.85	0.86	
					SLD 4	0	0	0	0	0.85	0.86	
					SLD 5	0	0	0	0	0.85	0.86	
					SLD 6	0	0	0	0	0.85	0.86	
					SLD 7	0	0	0	0	0.85	0.86	
					SLD 8	0	0	0	0	0.85	0.86	
					SLD 9	0	0	0	0	0.85	0.86	
					SLD 10	0	0	0	0	0.85	0.86	
					SLD 11	0	0	0	0	0.85	0.86	
					SLD 12	0	0	0	0	0.85	0.86	
					SLD 13	0	0	0	0	0.85	0.86	
					SLD 14	0	0	0	0	0.85	0.86	
					SLD 15	0	0	0	0	0.85	0.86	
					SLD 16	0	0	0	0	0.85	0.86	
SLD 10	0.053	−0.152	0.052	−0.144	SLD 1	0	0	0	0	0.85	0.86	
					SLD 2	0	0	0	0	0.85	0.86	
					SLD 3	0	0	0	0	0.85	0.86	
					SLD 4	0	0	0	0	0.85	0.86	
					SLD 5	0	0	0	0	0.85	0.86	
					SLD 6	0	0	0	0	0.85	0.86	
					SLD 7	0	0	0	0	0.85	0.86	
					SLD 8	0	0	0	0	0.85	0.86	
					SLD 9	0	0	0	0	0.85	0.86	
					SLD 10	0	0	0	0	0.85	0.86	
					SLD 11	0	0	0	0	0.85	0.86	
					SLD 12	0	0	0	0	0.85	0.86	
					SLD 13	0	0	0	0	0.85	0.86	
					SLD 14	0	0	0	0	0.85	0.86	
					SLD 15	0	0	0	0	0.85	0.86	
					SLD 16	0	0	0	0	0.85	0.86	
SLD 11	0.057	0.277	0.056	0.285	SLD 1	0	0	0	0	1.28	1.29	
					SLD 2	0	0	0	0	1.28	1.29	
					SLD 3	0	0	0	0	1.28	1.29	
					SLD 4	0	0	0	0	1.28	1.29	
					SLD 5	0	0	0	0	1.28	1.29	
					SLD 6	0	0	0	0	1.28	1.29	
					SLD 7	0	0	0	0	1.28	1.29	
					SLD 8	0	0	0	0	1.28	1.29	
					SLD 9	0	0	0	0	1.28	1.29	

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 10	0	0	0	0	1.28	1.29	
					SLD 11	0	0	0	0	1.28	1.29	
					SLD 12	0	0	0	0	1.28	1.29	
					SLD 13	0	0	0	0	1.28	1.29	
					SLD 14	0	0	0	0	1.28	1.29	
					SLD 15	0	0	0	0	1.28	1.29	
					SLD 16	0	0	0	0	1.28	1.29	
SLD 12	0.057	0.277	0.056	0.285	SLD 1	0	0	0	0	1.28	1.29	
					SLD 2	0	0	0	0	1.28	1.29	
					SLD 3	0	0	0	0	1.28	1.29	
					SLD 4	0	0	0	0	1.28	1.29	
					SLD 5	0	0	0	0	1.28	1.29	
					SLD 6	0	0	0	0	1.28	1.29	
					SLD 7	0	0	0	0	1.28	1.29	
					SLD 8	0	0	0	0	1.28	1.29	
					SLD 9	0	0	0	0	1.28	1.29	
					SLD 10	0	0	0	0	1.28	1.29	
					SLD 11	0	0	0	0	1.28	1.29	
					SLD 12	0	0	0	0	1.28	1.29	
					SLD 13	0	0	0	0	1.28	1.29	
					SLD 14	0	0	0	0	1.28	1.29	
					SLD 15	0	0	0	0	1.28	1.29	
					SLD 16	0	0	0	0	1.28	1.29	
SLD 13	0.181	-0.011	0.18	0.015	SLD 1	0	0	0	0	0.99	1.01	
					SLD 2	0	0	0	0	0.99	1.01	
					SLD 3	0	0	0	0	0.99	1.01	
					SLD 4	0	0	0	0	0.99	1.01	
					SLD 5	0	0	0	0	0.99	1.01	
					SLD 6	0	0	0	0	0.99	1.01	
					SLD 7	0	0	0	0	0.99	1.01	
					SLD 8	0	0	0	0	0.99	1.01	
					SLD 9	0	0	0	0	0.99	1.01	
					SLD 10	0	0	0	0	0.99	1.01	
					SLD 11	0	0	0	0	0.99	1.01	
					SLD 12	0	0	0	0	0.99	1.01	
					SLD 13	0	0	0	0	0.99	1.01	
					SLD 14	0	0	0	0	0.99	1.01	
					SLD 15	0	0	0	0	0.99	1.01	
					SLD 16	0	0	0	0	0.99	1.01	
SLD 14	0.181	-0.011	0.18	0.015	SLD 1	0	0	0	0	0.99	1.01	
					SLD 2	0	0	0	0	0.99	1.01	
					SLD 3	0	0	0	0	0.99	1.01	
					SLD 4	0	0	0	0	0.99	1.01	
					SLD 5	0	0	0	0	0.99	1.01	
					SLD 6	0	0	0	0	0.99	1.01	
					SLD 7	0	0	0	0	0.99	1.01	
					SLD 8	0	0	0	0	0.99	1.01	
					SLD 9	0	0	0	0	0.99	1.01	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 10	0	0	0	0	0.99	1.01	
					SLD 11	0	0	0	0	0.99	1.01	
					SLD 12	0	0	0	0	0.99	1.01	
					SLD 13	0	0	0	0	0.99	1.01	
					SLD 14	0	0	0	0	0.99	1.01	
					SLD 15	0	0	0	0	0.99	1.01	
					SLD 16	0	0	0	0	0.99	1.01	
SLD 15	0.182	0.117	0.181	0.144	SLD 1	0	0	0	0	1.12	1.14	
					SLD 2	0	0	0	0	1.12	1.14	
					SLD 3	0	0	0	0	1.12	1.14	
					SLD 4	0	0	0	0	1.12	1.14	
					SLD 5	0	0	0	0	1.12	1.14	
					SLD 6	0	0	0	0	1.12	1.14	
					SLD 7	0	0	0	0	1.12	1.14	
					SLD 8	0	0	0	0	1.12	1.14	
					SLD 9	0	0	0	0	1.12	1.14	
					SLD 10	0	0	0	0	1.12	1.14	
					SLD 11	0	0	0	0	1.12	1.14	
					SLD 12	0	0	0	0	1.12	1.14	
					SLD 13	0	0	0	0	1.12	1.14	
					SLD 14	0	0	0	0	1.12	1.14	
					SLD 15	0	0	0	0	1.12	1.14	
					SLD 16	0	0	0	0	1.12	1.14	
SLD 16	0.182	0.117	0.181	0.144	SLD 1	0	0	0	0	1.12	1.14	
					SLD 2	0	0	0	0	1.12	1.14	
					SLD 3	0	0	0	0	1.12	1.14	
					SLD 4	0	0	0	0	1.12	1.14	
					SLD 5	0	0	0	0	1.12	1.14	
					SLD 6	0	0	0	0	1.12	1.14	
					SLD 7	0	0	0	0	1.12	1.14	
					SLD 8	0	0	0	0	1.12	1.14	
					SLD 9	0	0	0	0	1.12	1.14	
					SLD 10	0	0	0	0	1.12	1.14	
					SLD 11	0	0	0	0	1.12	1.14	
					SLD 12	0	0	0	0	1.12	1.14	
					SLD 13	0	0	0	0	1.12	1.14	
					SLD 14	0	0	0	0	1.12	1.14	
					SLD 15	0	0	0	0	1.12	1.14	
					SLD 16	0	0	0	0	1.12	1.14	

1.2.3 *Giunto sismico Piano terra fili 2-4*

Larghezza del giunto: 1

Bordo sinistro

Elementi: Trave C.A. livello Piano terra fili 2-4

Punto iniziale: -2; 283

Punto finale: 332; 283

Nodo iniziale: 237

Nodo finale: 238

Bordo destro

Elementi: Trave C.A. livello Piano terra fili 2-4

Punto iniziale: 332; 282

Punto finale: -2; 282

Nodo iniziale: 227

Nodo finale: 223

Verifiche condotte secondo D.M. 14-01-08 (N.T.C.)

Larghezza minima giunto (§ 7.2.2): 1/100 * h * ag*S/0.5g = 0.9 < 1

dove:

h = 500 (misurata dallo zero sismico = -500)

ag/g = 0.07 (SLV)

S = 1.2 (SLV)

Valutazione della larghezza minima eseguita nelle combinazioni SLV (§ 7.2.2)

Coefficiente amplificativo parte sismica degli spostamenti SLV (§ 7.3.3.3 formula (7.38)): 3.567

Larghezza minima SLV = 0.02 - Verifiche soddisfatte

Larghezza massima SLV = 1.85

Larghezza minima SLD = 0.71

Larghezza massima SLD = 1.15

Valutazione larghezza giunto nelle combinazioni SLV

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
SLV 1	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 2	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 3	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 4	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 5	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 6	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 7	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 8	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 9	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 10	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 11	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 12	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 13	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 14	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 15	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	
SLV 16	0	0	0	0	SLV 1	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 2	−0.672	−0.256	−0.672	−0.145	1.14	1.26	
					SLV 3	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 4	−0.668	0.283	−0.668	0.394	0.61	0.72	
					SLV 5	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 6	−0.208	−0.847	−0.208	−0.814	1.81	1.85	
					SLV 7	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 8	−0.193	0.949	−0.194	0.982	0.02	0.05	
					SLV 9	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 10	0.194	−0.815	0.194	−0.848	1.82	1.85	
					SLV 11	0.209	0.981	0.209	0.947	0.02	0.05	
					SLV 12	0.209	0.981	0.209	0.947	0.02	0.05	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 13	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 14	0.669	−0.149	0.669	−0.26	1.15	1.26	
					SLV 15	0.673	0.389	0.673	0.279	0.61	0.72	
					SLV 16	0.673	0.389	0.673	0.279	0.61	0.72	

Valutazione larghezza giunto nelle combinazioni SLD

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
SLD 1	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 2	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 3	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 4	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 5	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 6	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 7	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 8	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 9	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 10	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 11	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 12	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 13	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 14	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 15	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	
SLD 16	0	0	0	0	SLD 1	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 2	−0.16	−0.01	−0.161	0.016	0.98	1.01	
					SLD 3	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 4	−0.159	0.119	−0.159	0.145	0.86	0.88	
					SLD 5	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 6	−0.049	−0.152	−0.05	−0.144	1.14	1.15	
					SLD 7	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 8	−0.046	0.278	−0.046	0.286	0.71	0.72	
					SLD 9	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 10	0.047	−0.144	0.047	−0.152	1.14	1.15	
					SLD 11	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 12	0.05	0.285	0.05	0.277	0.71	0.72	
					SLD 13	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 14	0.16	0.015	0.16	−0.011	0.98	1.01	
					SLD 15	0.161	0.144	0.161	0.117	0.86	0.88	
					SLD 16	0.161	0.144	0.161	0.117	0.86	0.88	

1.2.4 *Giunto sismico Piano terra fili 3-4*

Larghezza del giunto: 1

Bordo sinistro

Elementi: Trave C.A. livello Piano terra fili 4-3

Punto iniziale: 332; -2

Punto finale: 332; 282

Nodo iniziale: 194

Nodo finale: 233

Bordo destro

Elementi: Trave C.A. livello Piano terra fili 4-3

Punto iniziale: 333; 282

Punto finale: 333; -2

Nodo iniziale: 236

Nodo finale: 186

Verifiche condotte secondo D.M. 14-01-08 (N.T.C.)

Larghezza minima giunto (§ 7.2.2): 1/100 * h * ag*S/0.5g = 0.9 < 1

dove:

h = 500 (misurata dallo zero sismico = -500)

ag/g = 0.07 (SLV)

S = 1.2 (SLV)

Valutazione della larghezza minima eseguita nelle combinazioni SLV (§ 7.2.2)

Coefficiente amplificativo parte sismica degli spostamenti SLV (§ 7.3.3.3 formula (7.38)): 3.567

Larghezza minima SLV = 0.24 - Verifiche soddisfatte

Larghezza massima SLV = 1.76

Larghezza minima SLD = 0.82

Larghezza massima SLD = 1.18

Valutazione larghezza giunto nelle combinazioni SLV

Bordo sinistro					Bordo destro					Larghezza		
Comb	SpostIx	SpostIy	SpostJx	SpostJy	Comb	SpostIx	SpostIy	SpostJx	SpostJy	Min	Max	
SLV 1	−0.758	−0.255	−0.671	−0.254	SLV 1	0	0	0	0	1.67	1.76	
					SLV 2	0	0	0	0	1.67	1.76	
					SLV 3	0	0	0	0	1.67	1.76	
					SLV 4	0	0	0	0	1.67	1.76	
					SLV 5	0	0	0	0	1.67	1.76	
					SLV 6	0	0	0	0	1.67	1.76	
					SLV 7	0	0	0	0	1.67	1.76	
					SLV 8	0	0	0	0	1.67	1.76	
					SLV 9	0	0	0	0	1.67	1.76	
					SLV 10	0	0	0	0	1.67	1.76	
					SLV 11	0	0	0	0	1.67	1.76	
					SLV 12	0	0	0	0	1.67	1.76	
					SLV 13	0	0	0	0	1.67	1.76	
					SLV 14	0	0	0	0	1.67	1.76	
					SLV 15	0	0	0	0	1.67	1.76	
					SLV 16	0	0	0	0	1.67	1.76	
SLV 2	−0.758	−0.255	−0.671	−0.254	SLV 1	0	0	0	0	1.67	1.76	
					SLV 2	0	0	0	0	1.67	1.76	
					SLV 3	0	0	0	0	1.67	1.76	
					SLV 4	0	0	0	0	1.67	1.76	
					SLV 5	0	0	0	0	1.67	1.76	
					SLV 6	0	0	0	0	1.67	1.76	
					SLV 7	0	0	0	0	1.67	1.76	
					SLV 8	0	0	0	0	1.67	1.76	
					SLV 9	0	0	0	0	1.67	1.76	
					SLV 10	0	0	0	0	1.67	1.76	
					SLV 11	0	0	0	0	1.67	1.76	
					SLV 12	0	0	0	0	1.67	1.76	
					SLV 13	0	0	0	0	1.67	1.76	
					SLV 14	0	0	0	0	1.67	1.76	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 15	0	0	0	0	1.67	1.76	
					SLV 16	0	0	0	0	1.67	1.76	
SLV 3	−0.753	0.284	−0.666	0.285	SLV 1	0	0	0	0	1.67	1.75	
					SLV 2	0	0	0	0	1.67	1.75	
					SLV 3	0	0	0	0	1.67	1.75	
					SLV 4	0	0	0	0	1.67	1.75	
					SLV 5	0	0	0	0	1.67	1.75	
					SLV 6	0	0	0	0	1.67	1.75	
					SLV 7	0	0	0	0	1.67	1.75	
					SLV 8	0	0	0	0	1.67	1.75	
					SLV 9	0	0	0	0	1.67	1.75	
					SLV 10	0	0	0	0	1.67	1.75	
					SLV 11	0	0	0	0	1.67	1.75	
					SLV 12	0	0	0	0	1.67	1.75	
					SLV 13	0	0	0	0	1.67	1.75	
					SLV 14	0	0	0	0	1.67	1.75	
					SLV 15	0	0	0	0	1.67	1.75	
					SLV 16	0	0	0	0	1.67	1.75	
SLV 4	−0.753	0.284	−0.666	0.285	SLV 1	0	0	0	0	1.67	1.75	
					SLV 2	0	0	0	0	1.67	1.75	
					SLV 3	0	0	0	0	1.67	1.75	
					SLV 4	0	0	0	0	1.67	1.75	
					SLV 5	0	0	0	0	1.67	1.75	
					SLV 6	0	0	0	0	1.67	1.75	
					SLV 7	0	0	0	0	1.67	1.75	
					SLV 8	0	0	0	0	1.67	1.75	
					SLV 9	0	0	0	0	1.67	1.75	
					SLV 10	0	0	0	0	1.67	1.75	
					SLV 11	0	0	0	0	1.67	1.75	
					SLV 12	0	0	0	0	1.67	1.75	
					SLV 13	0	0	0	0	1.67	1.75	
					SLV 14	0	0	0	0	1.67	1.75	
					SLV 15	0	0	0	0	1.67	1.75	
					SLV 16	0	0	0	0	1.67	1.75	
SLV 5	−0.234	−0.847	−0.208	−0.847	SLV 1	0	0	0	0	1.21	1.23	
					SLV 2	0	0	0	0	1.21	1.23	
					SLV 3	0	0	0	0	1.21	1.23	
					SLV 4	0	0	0	0	1.21	1.23	
					SLV 5	0	0	0	0	1.21	1.23	
					SLV 6	0	0	0	0	1.21	1.23	
					SLV 7	0	0	0	0	1.21	1.23	
					SLV 8	0	0	0	0	1.21	1.23	
					SLV 9	0	0	0	0	1.21	1.23	
					SLV 10	0	0	0	0	1.21	1.23	
					SLV 11	0	0	0	0	1.21	1.23	
					SLV 12	0	0	0	0	1.21	1.23	
					SLV 13	0	0	0	0	1.21	1.23	
					SLV 14	0	0	0	0	1.21	1.23	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 15	0	0	0	0	1.21	1.23	
					SLV 16	0	0	0	0	1.21	1.23	
SLV 6	−0.234	−0.847	−0.208	−0.847	SLV 1	0	0	0	0	1.21	1.23	
					SLV 2	0	0	0	0	1.21	1.23	
					SLV 3	0	0	0	0	1.21	1.23	
					SLV 4	0	0	0	0	1.21	1.23	
					SLV 5	0	0	0	0	1.21	1.23	
					SLV 6	0	0	0	0	1.21	1.23	
					SLV 7	0	0	0	0	1.21	1.23	
					SLV 8	0	0	0	0	1.21	1.23	
					SLV 9	0	0	0	0	1.21	1.23	
					SLV 10	0	0	0	0	1.21	1.23	
					SLV 11	0	0	0	0	1.21	1.23	
					SLV 12	0	0	0	0	1.21	1.23	
					SLV 13	0	0	0	0	1.21	1.23	
					SLV 14	0	0	0	0	1.21	1.23	
					SLV 15	0	0	0	0	1.21	1.23	
					SLV 16	0	0	0	0	1.21	1.23	
SLV 7	−0.219	0.949	−0.193	0.949	SLV 1	0	0	0	0	1.19	1.22	
					SLV 2	0	0	0	0	1.19	1.22	
					SLV 3	0	0	0	0	1.19	1.22	
					SLV 4	0	0	0	0	1.19	1.22	
					SLV 5	0	0	0	0	1.19	1.22	
					SLV 6	0	0	0	0	1.19	1.22	
					SLV 7	0	0	0	0	1.19	1.22	
					SLV 8	0	0	0	0	1.19	1.22	
					SLV 9	0	0	0	0	1.19	1.22	
					SLV 10	0	0	0	0	1.19	1.22	
					SLV 11	0	0	0	0	1.19	1.22	
					SLV 12	0	0	0	0	1.19	1.22	
					SLV 13	0	0	0	0	1.19	1.22	
					SLV 14	0	0	0	0	1.19	1.22	
					SLV 15	0	0	0	0	1.19	1.22	
					SLV 16	0	0	0	0	1.19	1.22	
SLV 8	−0.219	0.949	−0.193	0.949	SLV 1	0	0	0	0	1.19	1.22	
					SLV 2	0	0	0	0	1.19	1.22	
					SLV 3	0	0	0	0	1.19	1.22	
					SLV 4	0	0	0	0	1.19	1.22	
					SLV 5	0	0	0	0	1.19	1.22	
					SLV 6	0	0	0	0	1.19	1.22	
					SLV 7	0	0	0	0	1.19	1.22	
					SLV 8	0	0	0	0	1.19	1.22	
					SLV 9	0	0	0	0	1.19	1.22	
					SLV 10	0	0	0	0	1.19	1.22	
					SLV 11	0	0	0	0	1.19	1.22	
					SLV 12	0	0	0	0	1.19	1.22	
					SLV 13	0	0	0	0	1.19	1.22	
					SLV 14	0	0	0	0	1.19	1.22	

	Bordo sinistro					Bordo destro				Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 15	0	0	0	0	1.19	1.22	
					SLV 16	0	0	0	0	1.19	1.22	
SLV 9	0.219	−0.816	0.194	−0.816	SLV 1	0	0	0	0	0.78	0.81	
					SLV 2	0	0	0	0	0.78	0.81	
					SLV 3	0	0	0	0	0.78	0.81	
					SLV 4	0	0	0	0	0.78	0.81	
					SLV 5	0	0	0	0	0.78	0.81	
					SLV 6	0	0	0	0	0.78	0.81	
					SLV 7	0	0	0	0	0.78	0.81	
					SLV 8	0	0	0	0	0.78	0.81	
					SLV 9	0	0	0	0	0.78	0.81	
					SLV 10	0	0	0	0	0.78	0.81	
					SLV 11	0	0	0	0	0.78	0.81	
					SLV 12	0	0	0	0	0.78	0.81	
					SLV 13	0	0	0	0	0.78	0.81	
					SLV 14	0	0	0	0	0.78	0.81	
					SLV 15	0	0	0	0	0.78	0.81	
					SLV 16	0	0	0	0	0.78	0.81	
SLV 10	0.219	−0.816	0.194	−0.816	SLV 1	0	0	0	0	0.78	0.81	
					SLV 2	0	0	0	0	0.78	0.81	
					SLV 3	0	0	0	0	0.78	0.81	
					SLV 4	0	0	0	0	0.78	0.81	
					SLV 5	0	0	0	0	0.78	0.81	
					SLV 6	0	0	0	0	0.78	0.81	
					SLV 7	0	0	0	0	0.78	0.81	
					SLV 8	0	0	0	0	0.78	0.81	
					SLV 9	0	0	0	0	0.78	0.81	
					SLV 10	0	0	0	0	0.78	0.81	
					SLV 11	0	0	0	0	0.78	0.81	
					SLV 12	0	0	0	0	0.78	0.81	
					SLV 13	0	0	0	0	0.78	0.81	
					SLV 14	0	0	0	0	0.78	0.81	
					SLV 15	0	0	0	0	0.78	0.81	
					SLV 16	0	0	0	0	0.78	0.81	
SLV 11	0.235	0.98	0.209	0.98	SLV 1	0	0	0	0	0.77	0.79	
					SLV 2	0	0	0	0	0.77	0.79	
					SLV 3	0	0	0	0	0.77	0.79	
					SLV 4	0	0	0	0	0.77	0.79	
					SLV 5	0	0	0	0	0.77	0.79	
					SLV 6	0	0	0	0	0.77	0.79	
					SLV 7	0	0	0	0	0.77	0.79	
					SLV 8	0	0	0	0	0.77	0.79	
					SLV 9	0	0	0	0	0.77	0.79	
					SLV 10	0	0	0	0	0.77	0.79	
					SLV 11	0	0	0	0	0.77	0.79	
					SLV 12	0	0	0	0	0.77	0.79	
					SLV 13	0	0	0	0	0.77	0.79	
					SLV 14	0	0	0	0	0.77	0.79	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 15	0	0	0	0	0.77	0.79	
					SLV 16	0	0	0	0	0.77	0.79	
SLV 12	0.235	0.98	0.209	0.98	SLV 1	0	0	0	0	0.77	0.79	
					SLV 2	0	0	0	0	0.77	0.79	
					SLV 3	0	0	0	0	0.77	0.79	
					SLV 4	0	0	0	0	0.77	0.79	
					SLV 5	0	0	0	0	0.77	0.79	
					SLV 6	0	0	0	0	0.77	0.79	
					SLV 7	0	0	0	0	0.77	0.79	
					SLV 8	0	0	0	0	0.77	0.79	
					SLV 9	0	0	0	0	0.77	0.79	
					SLV 10	0	0	0	0	0.77	0.79	
					SLV 11	0	0	0	0	0.77	0.79	
					SLV 12	0	0	0	0	0.77	0.79	
					SLV 13	0	0	0	0	0.77	0.79	
					SLV 14	0	0	0	0	0.77	0.79	
					SLV 15	0	0	0	0	0.77	0.79	
					SLV 16	0	0	0	0	0.77	0.79	
SLV 13	0.753	-0.151	0.667	-0.151	SLV 1	0	0	0	0	0.25	0.33	
					SLV 2	0	0	0	0	0.25	0.33	
					SLV 3	0	0	0	0	0.25	0.33	
					SLV 4	0	0	0	0	0.25	0.33	
					SLV 5	0	0	0	0	0.25	0.33	
					SLV 6	0	0	0	0	0.25	0.33	
					SLV 7	0	0	0	0	0.25	0.33	
					SLV 8	0	0	0	0	0.25	0.33	
					SLV 9	0	0	0	0	0.25	0.33	
					SLV 10	0	0	0	0	0.25	0.33	
					SLV 11	0	0	0	0	0.25	0.33	
					SLV 12	0	0	0	0	0.25	0.33	
					SLV 13	0	0	0	0	0.25	0.33	
					SLV 14	0	0	0	0	0.25	0.33	
					SLV 15	0	0	0	0	0.25	0.33	
					SLV 16	0	0	0	0	0.25	0.33	
SLV 14	0.753	-0.151	0.667	-0.151	SLV 1	0	0	0	0	0.25	0.33	
					SLV 2	0	0	0	0	0.25	0.33	
					SLV 3	0	0	0	0	0.25	0.33	
					SLV 4	0	0	0	0	0.25	0.33	
					SLV 5	0	0	0	0	0.25	0.33	
					SLV 6	0	0	0	0	0.25	0.33	
					SLV 7	0	0	0	0	0.25	0.33	
					SLV 8	0	0	0	0	0.25	0.33	
					SLV 9	0	0	0	0	0.25	0.33	
					SLV 10	0	0	0	0	0.25	0.33	
					SLV 11	0	0	0	0	0.25	0.33	
					SLV 12	0	0	0	0	0.25	0.33	
					SLV 13	0	0	0	0	0.25	0.33	
					SLV 14	0	0	0	0	0.25	0.33	

	Bordo sinistro					Bordo destro				Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 15	0	0	0	0	0.25	0.33	
					SLV 16	0	0	0	0	0.25	0.33	
SLV 15	0.758	0.388	0.672	0.388	SLV 1	0	0	0	0	0.24	0.33	
					SLV 2	0	0	0	0	0.24	0.33	
					SLV 3	0	0	0	0	0.24	0.33	
					SLV 4	0	0	0	0	0.24	0.33	
					SLV 5	0	0	0	0	0.24	0.33	
					SLV 6	0	0	0	0	0.24	0.33	
					SLV 7	0	0	0	0	0.24	0.33	
					SLV 8	0	0	0	0	0.24	0.33	
					SLV 9	0	0	0	0	0.24	0.33	
					SLV 10	0	0	0	0	0.24	0.33	
					SLV 11	0	0	0	0	0.24	0.33	
					SLV 12	0	0	0	0	0.24	0.33	
					SLV 13	0	0	0	0	0.24	0.33	
					SLV 14	0	0	0	0	0.24	0.33	
					SLV 15	0	0	0	0	0.24	0.33	
					SLV 16	0	0	0	0	0.24	0.33	
SLV 16	0.758	0.388	0.672	0.388	SLV 1	0	0	0	0	0.24	0.33	
					SLV 2	0	0	0	0	0.24	0.33	
					SLV 3	0	0	0	0	0.24	0.33	
					SLV 4	0	0	0	0	0.24	0.33	
					SLV 5	0	0	0	0	0.24	0.33	
					SLV 6	0	0	0	0	0.24	0.33	
					SLV 7	0	0	0	0	0.24	0.33	
					SLV 8	0	0	0	0	0.24	0.33	
					SLV 9	0	0	0	0	0.24	0.33	
					SLV 10	0	0	0	0	0.24	0.33	
					SLV 11	0	0	0	0	0.24	0.33	
					SLV 12	0	0	0	0	0.24	0.33	
					SLV 13	0	0	0	0	0.24	0.33	
					SLV 14	0	0	0	0	0.24	0.33	
					SLV 15	0	0	0	0	0.24	0.33	
					SLV 16	0	0	0	0	0.24	0.33	

Valutazione larghezza giunto nelle combinazioni SLD

	Bordo sinistro					Bordo destro				Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
SLD 1	-0.181	-0.01	-0.16	-0.01	SLD 1	0	0	0	0	1.16	1.18	
					SLD 2	0	0	0	0	1.16	1.18	
					SLD 3	0	0	0	0	1.16	1.18	
					SLD 4	0	0	0	0	1.16	1.18	
					SLD 5	0	0	0	0	1.16	1.18	
					SLD 6	0	0	0	0	1.16	1.18	
					SLD 7	0	0	0	0	1.16	1.18	
					SLD 8	0	0	0	0	1.16	1.18	
					SLD 9	0	0	0	0	1.16	1.18	
					SLD 10	0	0	0	0	1.16	1.18	

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 11	0	0	0	0	1.16	1.18	
					SLD 12	0	0	0	0	1.16	1.18	
					SLD 13	0	0	0	0	1.16	1.18	
					SLD 14	0	0	0	0	1.16	1.18	
					SLD 15	0	0	0	0	1.16	1.18	
					SLD 16	0	0	0	0	1.16	1.18	
SLD 2	-0.181	-0.01	-0.16	-0.01	SLD 1	0	0	0	0	1.16	1.18	
					SLD 2	0	0	0	0	1.16	1.18	
					SLD 3	0	0	0	0	1.16	1.18	
					SLD 4	0	0	0	0	1.16	1.18	
					SLD 5	0	0	0	0	1.16	1.18	
					SLD 6	0	0	0	0	1.16	1.18	
					SLD 7	0	0	0	0	1.16	1.18	
					SLD 8	0	0	0	0	1.16	1.18	
					SLD 9	0	0	0	0	1.16	1.18	
					SLD 10	0	0	0	0	1.16	1.18	
					SLD 11	0	0	0	0	1.16	1.18	
					SLD 12	0	0	0	0	1.16	1.18	
					SLD 13	0	0	0	0	1.16	1.18	
					SLD 14	0	0	0	0	1.16	1.18	
					SLD 15	0	0	0	0	1.16	1.18	
					SLD 16	0	0	0	0	1.16	1.18	
SLD 3	-0.18	0.119	-0.159	0.119	SLD 1	0	0	0	0	1.16	1.18	
					SLD 2	0	0	0	0	1.16	1.18	
					SLD 3	0	0	0	0	1.16	1.18	
					SLD 4	0	0	0	0	1.16	1.18	
					SLD 5	0	0	0	0	1.16	1.18	
					SLD 6	0	0	0	0	1.16	1.18	
					SLD 7	0	0	0	0	1.16	1.18	
					SLD 8	0	0	0	0	1.16	1.18	
					SLD 9	0	0	0	0	1.16	1.18	
					SLD 10	0	0	0	0	1.16	1.18	
					SLD 11	0	0	0	0	1.16	1.18	
					SLD 12	0	0	0	0	1.16	1.18	
					SLD 13	0	0	0	0	1.16	1.18	
					SLD 14	0	0	0	0	1.16	1.18	
					SLD 15	0	0	0	0	1.16	1.18	
					SLD 16	0	0	0	0	1.16	1.18	
SLD 4	-0.18	0.119	-0.159	0.119	SLD 1	0	0	0	0	1.16	1.18	
					SLD 2	0	0	0	0	1.16	1.18	
					SLD 3	0	0	0	0	1.16	1.18	
					SLD 4	0	0	0	0	1.16	1.18	
					SLD 5	0	0	0	0	1.16	1.18	
					SLD 6	0	0	0	0	1.16	1.18	
					SLD 7	0	0	0	0	1.16	1.18	
					SLD 8	0	0	0	0	1.16	1.18	
					SLD 9	0	0	0	0	1.16	1.18	
					SLD 10	0	0	0	0	1.16	1.18	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 11	0	0	0	0	1.16	1.18	
					SLD 12	0	0	0	0	1.16	1.18	
					SLD 13	0	0	0	0	1.16	1.18	
					SLD 14	0	0	0	0	1.16	1.18	
					SLD 15	0	0	0	0	1.16	1.18	
					SLD 16	0	0	0	0	1.16	1.18	
SLD 5	−0.056	−0.152	−0.049	−0.151	SLD 1	0	0	0	0	1.05	1.06	
					SLD 2	0	0	0	0	1.05	1.06	
					SLD 3	0	0	0	0	1.05	1.06	
					SLD 4	0	0	0	0	1.05	1.06	
					SLD 5	0	0	0	0	1.05	1.06	
					SLD 6	0	0	0	0	1.05	1.06	
					SLD 7	0	0	0	0	1.05	1.06	
					SLD 8	0	0	0	0	1.05	1.06	
					SLD 9	0	0	0	0	1.05	1.06	
					SLD 10	0	0	0	0	1.05	1.06	
					SLD 11	0	0	0	0	1.05	1.06	
					SLD 12	0	0	0	0	1.05	1.06	
					SLD 13	0	0	0	0	1.05	1.06	
					SLD 14	0	0	0	0	1.05	1.06	
					SLD 15	0	0	0	0	1.05	1.06	
					SLD 16	0	0	0	0	1.05	1.06	
SLD 6	−0.056	−0.152	−0.049	−0.151	SLD 1	0	0	0	0	1.05	1.06	
					SLD 2	0	0	0	0	1.05	1.06	
					SLD 3	0	0	0	0	1.05	1.06	
					SLD 4	0	0	0	0	1.05	1.06	
					SLD 5	0	0	0	0	1.05	1.06	
					SLD 6	0	0	0	0	1.05	1.06	
					SLD 7	0	0	0	0	1.05	1.06	
					SLD 8	0	0	0	0	1.05	1.06	
					SLD 9	0	0	0	0	1.05	1.06	
					SLD 10	0	0	0	0	1.05	1.06	
					SLD 11	0	0	0	0	1.05	1.06	
					SLD 12	0	0	0	0	1.05	1.06	
					SLD 13	0	0	0	0	1.05	1.06	
					SLD 14	0	0	0	0	1.05	1.06	
					SLD 15	0	0	0	0	1.05	1.06	
					SLD 16	0	0	0	0	1.05	1.06	
SLD 7	−0.052	0.278	−0.046	0.278	SLD 1	0	0	0	0	1.05	1.05	
					SLD 2	0	0	0	0	1.05	1.05	
					SLD 3	0	0	0	0	1.05	1.05	
					SLD 4	0	0	0	0	1.05	1.05	
					SLD 5	0	0	0	0	1.05	1.05	
					SLD 6	0	0	0	0	1.05	1.05	
					SLD 7	0	0	0	0	1.05	1.05	
					SLD 8	0	0	0	0	1.05	1.05	
					SLD 9	0	0	0	0	1.05	1.05	
					SLD 10	0	0	0	0	1.05	1.05	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 11	0	0	0	0	1.05	1.05	
					SLD 12	0	0	0	0	1.05	1.05	
					SLD 13	0	0	0	0	1.05	1.05	
					SLD 14	0	0	0	0	1.05	1.05	
					SLD 15	0	0	0	0	1.05	1.05	
					SLD 16	0	0	0	0	1.05	1.05	
SLD 8	-0.052	0.278	-0.046	0.278	SLD 1	0	0	0	0	1.05	1.05	
					SLD 2	0	0	0	0	1.05	1.05	
					SLD 3	0	0	0	0	1.05	1.05	
					SLD 4	0	0	0	0	1.05	1.05	
					SLD 5	0	0	0	0	1.05	1.05	
					SLD 6	0	0	0	0	1.05	1.05	
					SLD 7	0	0	0	0	1.05	1.05	
					SLD 8	0	0	0	0	1.05	1.05	
					SLD 9	0	0	0	0	1.05	1.05	
					SLD 10	0	0	0	0	1.05	1.05	
					SLD 11	0	0	0	0	1.05	1.05	
					SLD 12	0	0	0	0	1.05	1.05	
					SLD 13	0	0	0	0	1.05	1.05	
					SLD 14	0	0	0	0	1.05	1.05	
					SLD 15	0	0	0	0	1.05	1.05	
					SLD 16	0	0	0	0	1.05	1.05	
SLD 9	0.052	-0.144	0.047	-0.144	SLD 1	0	0	0	0	0.95	0.95	
					SLD 2	0	0	0	0	0.95	0.95	
					SLD 3	0	0	0	0	0.95	0.95	
					SLD 4	0	0	0	0	0.95	0.95	
					SLD 5	0	0	0	0	0.95	0.95	
					SLD 6	0	0	0	0	0.95	0.95	
					SLD 7	0	0	0	0	0.95	0.95	
					SLD 8	0	0	0	0	0.95	0.95	
					SLD 9	0	0	0	0	0.95	0.95	
					SLD 10	0	0	0	0	0.95	0.95	
					SLD 11	0	0	0	0	0.95	0.95	
					SLD 12	0	0	0	0	0.95	0.95	
					SLD 13	0	0	0	0	0.95	0.95	
					SLD 14	0	0	0	0	0.95	0.95	
					SLD 15	0	0	0	0	0.95	0.95	
					SLD 16	0	0	0	0	0.95	0.95	
SLD 10	0.052	-0.144	0.047	-0.144	SLD 1	0	0	0	0	0.95	0.95	
					SLD 2	0	0	0	0	0.95	0.95	
					SLD 3	0	0	0	0	0.95	0.95	
					SLD 4	0	0	0	0	0.95	0.95	
					SLD 5	0	0	0	0	0.95	0.95	
					SLD 6	0	0	0	0	0.95	0.95	
					SLD 7	0	0	0	0	0.95	0.95	
					SLD 8	0	0	0	0	0.95	0.95	
					SLD 9	0	0	0	0	0.95	0.95	
					SLD 10	0	0	0	0	0.95	0.95	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 11	0	0	0	0	0.95	0.95	
					SLD 12	0	0	0	0	0.95	0.95	
					SLD 13	0	0	0	0	0.95	0.95	
					SLD 14	0	0	0	0	0.95	0.95	
					SLD 15	0	0	0	0	0.95	0.95	
					SLD 16	0	0	0	0	0.95	0.95	
SLD 11	0.056	0.285	0.05	0.285	SLD 1	0	0	0	0	0.94	0.95	
					SLD 2	0	0	0	0	0.94	0.95	
					SLD 3	0	0	0	0	0.94	0.95	
					SLD 4	0	0	0	0	0.94	0.95	
					SLD 5	0	0	0	0	0.94	0.95	
					SLD 6	0	0	0	0	0.94	0.95	
					SLD 7	0	0	0	0	0.94	0.95	
					SLD 8	0	0	0	0	0.94	0.95	
					SLD 9	0	0	0	0	0.94	0.95	
					SLD 10	0	0	0	0	0.94	0.95	
					SLD 11	0	0	0	0	0.94	0.95	
					SLD 12	0	0	0	0	0.94	0.95	
					SLD 13	0	0	0	0	0.94	0.95	
					SLD 14	0	0	0	0	0.94	0.95	
					SLD 15	0	0	0	0	0.94	0.95	
					SLD 16	0	0	0	0	0.94	0.95	
SLD 12	0.056	0.285	0.05	0.285	SLD 1	0	0	0	0	0.94	0.95	
					SLD 2	0	0	0	0	0.94	0.95	
					SLD 3	0	0	0	0	0.94	0.95	
					SLD 4	0	0	0	0	0.94	0.95	
					SLD 5	0	0	0	0	0.94	0.95	
					SLD 6	0	0	0	0	0.94	0.95	
					SLD 7	0	0	0	0	0.94	0.95	
					SLD 8	0	0	0	0	0.94	0.95	
					SLD 9	0	0	0	0	0.94	0.95	
					SLD 10	0	0	0	0	0.94	0.95	
					SLD 11	0	0	0	0	0.94	0.95	
					SLD 12	0	0	0	0	0.94	0.95	
					SLD 13	0	0	0	0	0.94	0.95	
					SLD 14	0	0	0	0	0.94	0.95	
					SLD 15	0	0	0	0	0.94	0.95	
					SLD 16	0	0	0	0	0.94	0.95	
SLD 13	0.18	0.015	0.16	0.015	SLD 1	0	0	0	0	0.82	0.84	
					SLD 2	0	0	0	0	0.82	0.84	
					SLD 3	0	0	0	0	0.82	0.84	
					SLD 4	0	0	0	0	0.82	0.84	
					SLD 5	0	0	0	0	0.82	0.84	
					SLD 6	0	0	0	0	0.82	0.84	
					SLD 7	0	0	0	0	0.82	0.84	
					SLD 8	0	0	0	0	0.82	0.84	
					SLD 9	0	0	0	0	0.82	0.84	
					SLD 10	0	0	0	0	0.82	0.84	

Bordo sinistro				Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 11	0	0	0	0	0.82	0.84	
					SLD 12	0	0	0	0	0.82	0.84	
					SLD 13	0	0	0	0	0.82	0.84	
					SLD 14	0	0	0	0	0.82	0.84	
					SLD 15	0	0	0	0	0.82	0.84	
					SLD 16	0	0	0	0	0.82	0.84	
SLD 14	0.18	0.015	0.16	0.015	SLD 1	0	0	0	0	0.82	0.84	
					SLD 2	0	0	0	0	0.82	0.84	
					SLD 3	0	0	0	0	0.82	0.84	
					SLD 4	0	0	0	0	0.82	0.84	
					SLD 5	0	0	0	0	0.82	0.84	
					SLD 6	0	0	0	0	0.82	0.84	
					SLD 7	0	0	0	0	0.82	0.84	
					SLD 8	0	0	0	0	0.82	0.84	
					SLD 9	0	0	0	0	0.82	0.84	
					SLD 10	0	0	0	0	0.82	0.84	
					SLD 11	0	0	0	0	0.82	0.84	
					SLD 12	0	0	0	0	0.82	0.84	
					SLD 13	0	0	0	0	0.82	0.84	
					SLD 14	0	0	0	0	0.82	0.84	
					SLD 15	0	0	0	0	0.82	0.84	
					SLD 16	0	0	0	0	0.82	0.84	
SLD 15	0.181	0.143	0.161	0.144	SLD 1	0	0	0	0	0.82	0.84	
					SLD 2	0	0	0	0	0.82	0.84	
					SLD 3	0	0	0	0	0.82	0.84	
					SLD 4	0	0	0	0	0.82	0.84	
					SLD 5	0	0	0	0	0.82	0.84	
					SLD 6	0	0	0	0	0.82	0.84	
					SLD 7	0	0	0	0	0.82	0.84	
					SLD 8	0	0	0	0	0.82	0.84	
					SLD 9	0	0	0	0	0.82	0.84	
					SLD 10	0	0	0	0	0.82	0.84	
					SLD 11	0	0	0	0	0.82	0.84	
					SLD 12	0	0	0	0	0.82	0.84	
					SLD 13	0	0	0	0	0.82	0.84	
					SLD 14	0	0	0	0	0.82	0.84	
					SLD 15	0	0	0	0	0.82	0.84	
					SLD 16	0	0	0	0	0.82	0.84	
SLD 16	0.181	0.143	0.161	0.144	SLD 1	0	0	0	0	0.82	0.84	
					SLD 2	0	0	0	0	0.82	0.84	
					SLD 3	0	0	0	0	0.82	0.84	
					SLD 4	0	0	0	0	0.82	0.84	
					SLD 5	0	0	0	0	0.82	0.84	
					SLD 6	0	0	0	0	0.82	0.84	
					SLD 7	0	0	0	0	0.82	0.84	
					SLD 8	0	0	0	0	0.82	0.84	
					SLD 9	0	0	0	0	0.82	0.84	
					SLD 10	0	0	0	0	0.82	0.84	

Bordo sinistro					Bordo destro					Larghezza		
Comb	Spostlx	Spostly	SpostJx	SpostJy	Comb	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLD 11	0	0	0	0	0.82	0.84	
					SLD 12	0	0	0	0	0.82	0.84	
					SLD 13	0	0	0	0	0.82	0.84	
					SLD 14	0	0	0	0	0.82	0.84	
					SLD 15	0	0	0	0	0.82	0.84	
					SLD 16	0	0	0	0	0.82	0.84	

1.3 Verifiche piastre in acciaio

```
Normativa di calcolo: D.M. 14-01-08(N.T.C.)
Colonna: HEA100 materiale S235
Materiale piastra S235
Tirafondi sollecitati nelle sezioni non filettate
Tirafondi diametro nominale  18 mm materiale S235; non resistenti a compressione
Lunghezza dei tirafondi  600 mm
Diametro dei fori sulla piastra  20.0 mm
Saldature a completa penetrazione dei profili classe 1
Cordoni di saldatura per gli irrigidimenti superiori lato  8.0 mm
Tipo di ancoraggio: aderenza semplice
Tirafondi non resistenti a compressione
Spessore piastra  1.5 cm
```

```
Legenda dei simboli utilizzati:
Asse X          asse locale baricentrico dell'asta portata parallelo alle ali del profilo
Asse Y          asse locale baricentrico dell'asta portata parallelo all'anima del profilo
N               sforzo normale
Tx              taglio secondo l'asse X
Ty              taglio secondo l'asse Y
Mx              momento flettente attorno all'asse X
My              momento flettente attorno all'asse Y
Mt              momento torcente
FvEd            taglio massimo per i tirafondi
FvRd            resistenza di calcolo di taglio per i tirafondi
ftEd            trazione massima per i tirafondi
ftRd            resistenza di calcolo a trazione per i tirafondi
MjEd            momento flettente agente
NjEd            sforzo normale agente
MjRd            momento resitente del giunto
NjRd            sforzo normale resitente del giunto
fad.max         tansione di aderenza massima
fbd             tensione ultima di aderenza
FtEd            tensione massima sul calcestruzzo
FtRd            resistenza a compressione del calcestruzzo
R               rapporto di verifica tra azione agente e azione resistente
VEd             taglio massimo sui profili
VcRd            resistenza a taglio dei profili
MEd             momento massimo sui profili
McRd            resistenza flessionale dei profili
FwEd            forza di progetto per unità di lunghezza della saldatura
FwRd            resistenza di progetto per unità di lunghezza della saldatura
fris            resistenza di progetto per unità di lunghezza della saldatura
sigma ort       tensione resitente della saldatura
ftk             resistenza a rottura per trazione della saldatura
beta            coefficiente di correlazione
gammaM2         coefficiente parziale di sicureza per collegamenti saldati
```

```
Verifiche di resistenza SLE (§ 7.3.7.1) omesse in quanto garantite da uno spettro SLD sempre minore di quello SLV
```

```
Verifica dei tirafondi
trazione:
FtEd = 3284.6 daN <  FtRd =  6595.8 daN
comb.   1 fam.   3(SLV) N -3.716E+03 daN Tx -5.390E+02 daN Ty 1.6200E+02 daN Mx -4.770E+04 daN*cm My 1.5901E+05
daN*cm Mt 0.0000E+00 daN*cm
Taglio assorbito dall'attrito fondazione-piastra
```

TABULATI DI CALCOLO

```
Verifica di resistenza della piastra
taglio:
Rapporto = 0.814 <  1
comb.   1 fam.   3(SLV) N -3.716E+03 daN  Ty 1.6200E+02 daN
flessione:
R = 0.993 <  1
comb.   5 fam. SLV N -3.716E+03 daN  Mx -1.590E+05 daN*cm  Ty 5.3900E+02 daN


Verifica del giunto(p. 6.2 EN 1993-1-8:2005)
coeff = 0.88  < 1  MjRdy =180949.7 daN*cm MEdy =159012.0 daN*cm
Resistenza di progetto delle componenti di base:
FcplRd (calcestruzzo compresso) =  68505 daN
FcfcRd (flangia ed anima della colonna soggette a compressione) =  17624 daN
FtplRd (piastra inflessa) =  19658 daN
FtwbRd (anima della colonna soggetta a trazione) =  9641 daN
comb.   1 fam.   3(SLV) N -3.716E+03 daN Tx -5.390E+02 daN Ty 1.6200E+02 daN Mx -4.770E+04 daN*cm My 1.5901E+05
daN*cm Mt 0.0000E+00 daN*cm


Verifica dell'ancoraggio: aderenza semplice
fad.max =  9.68 daN/cmq <  fbd = 23.79  daN/cmq
comb.   1 fam.   3(SLV) N -3.716E+03 daN Tx -5.390E+02 daN Ty 1.6200E+02 daN Mx -4.770E+04 daN*cm My 1.5901E+05
daN*cm Mt 0.0000E+00 daN*cm
profondita' d'infissione dei tirafondi sufficiente


Verifica della pressione di contatto fra piastra e calcestruzzo:
sc.max compressione =  73.17 daN/cmq <  fcd = 117.58 daN/cmq
comb.   1 fam.   3(SLV) N -3.716E+03 daN Tx -5.390E+02 daN Ty 1.6200E+02 daN Mx -4.770E+04 daN*cm My 1.5901E+05
daN*cm Mt 0.0000E+00 daN*cm


Saldature a completa penetrazione: verifica non necessaria secondo D.M.2008 (saldature di classe I)
Verifica di resistenza delle saldature degli irrigidimenti sulla colonna
a cordoni d'angolo:
Fw.sd =  1586.1 daN/cm <   Fw.Rd =  1662.8 daN/cm
comb.   5 fam.   3(SLV) N -3.716E+03 daN  Ty 5.3900E+02 daN
```