ANAS S.p.A.

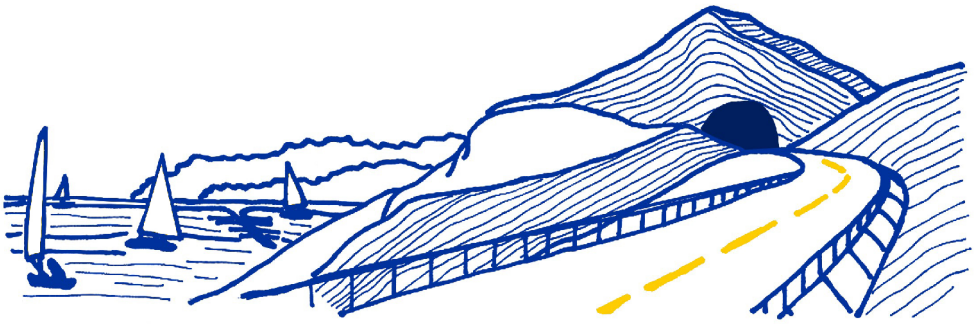
Direzione Progettazione e Realizzazione Lavori

VARIANTE ALLA S.S.1 AURELIA (AURELIA BIS)
VIABILITA' DI ACCESSO ALL' HUB PORTUALE DI LA SPEZIA
INTERCONNESSIONE TRA I CASELLI DELLA A-12 E IL PORTO DI LA SPEZIA
3° LOTTO TRA FELETTINO E IL RACCORDO AUTOSTRADALE

PROGETTO ESECUTIVO DI STRALCIO E COMPLETAMENTO C - 3° TRATTO

PROGETTO ESECUTIVO

GE265



CESI – Shaping a Better Energy Future – Mandante

TECHINT Engineering & Construction – Mandataria

IGEAS ENGINEERING S.r.l. – SERVIZI INTEGRATI DI INGEGNERIA – Mandante

VISTO: IL RESPONSABILE DEL PROCEDIMENTO	RESPONSABILE DELL'INTEGRAZIONE DELLE PRESTAZIONI SPECIALISTICHE	PROGETTISTA SPECIALISTA	IL COORDINATORE DELLA SICUREZZA IN FASE DI PROGETTAZIONE
Ing. Fabrizio CARDONE	Firmato digitalmente da: RODINO ALESSANDRO Data: 01/02/2023 18:54:43 Ing. Alessandro RODINO	Ing. Alessandro RODINO	Dott. Domenico TRIMBOLI

OPERE MAGGIORI

SVINCOLO MELARA

PARTE GENERALE

IMPALCATO - TRAVI IN C.A.P.

RELAZIONE DI CALCOLO - ALLEGATO A (Dati struttura)

CODICE PROGETTO	NOME FILE	REVISIONE	SCALA:
PROGETTO: DPGE0265 LIV. PROG.: E N. PROG.: 20	0000_V04VI12STRRE09_B		
	CODICE ELAB.: V04VI12STRRE09	B	-

REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
B	EMISSIONE A SEGUITO ISTRUTTORIA ANAS	Dicembre 2021	M. Barale	A. Rodino	D. Morgera
A	EMISSIONE	Marzo 2021	M. Barale	A. Rodino	D. Morgera

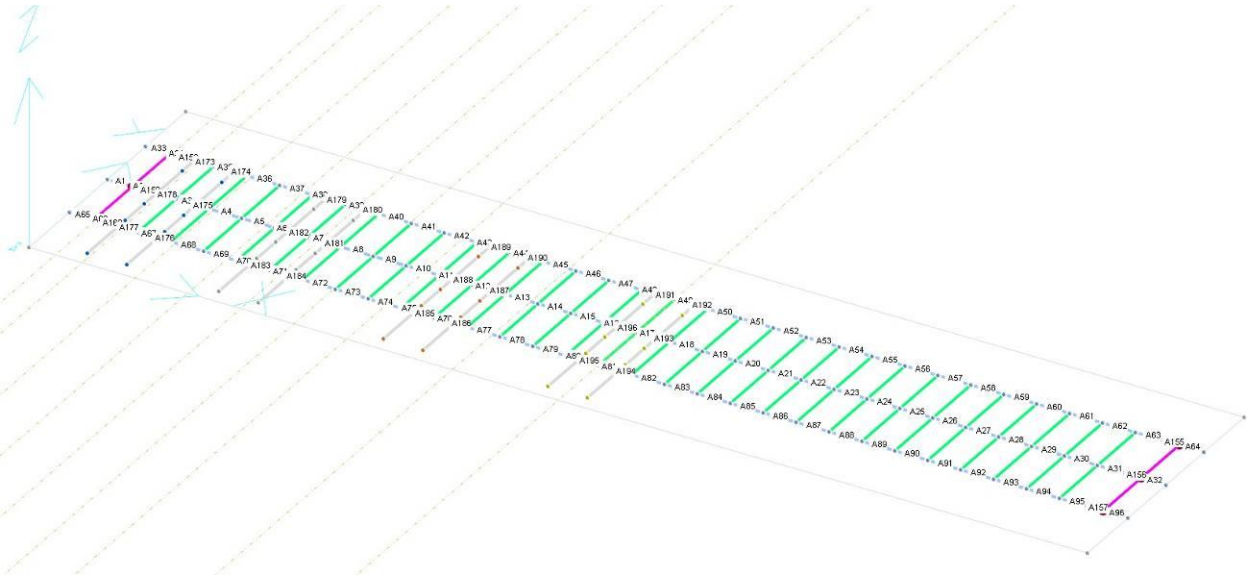
INDICE **pag.**

1. ALLEGATO A - STRUTTURA ANALIZZATA – RAMPA S – ALLINEAMENTI [P4S – P5S] 1
1.1 MELAS1 – Modello struttura 1
2. ALLEGATO A - STRUTTURA ANALIZZATA – RAMPA S – ALLINEAMENTI [P6S – P7S] 15
2.1 MELAS5 – Modello struttura 15
3. ALLEGATO A - STRUTTURA ANALIZZATA – RAMPA S – ALLINEAMENTI [P5S – P6S] 27
3.1 MELAS3 – Modello struttura 27
4. ALLEGATO A - STRUTTURA ANALIZZATA – RAMPA N – ALLINEAMENTI [P3N – P4N] 39
4.1 MELAS4 – Modello struttura 39
5. ALLEGATO A - STRUTTURA ANALIZZATA – RAMPA S – ALLINEAMENTI [P10S – P11S] 56
5.1 MELAS5 – Modello struttura 56

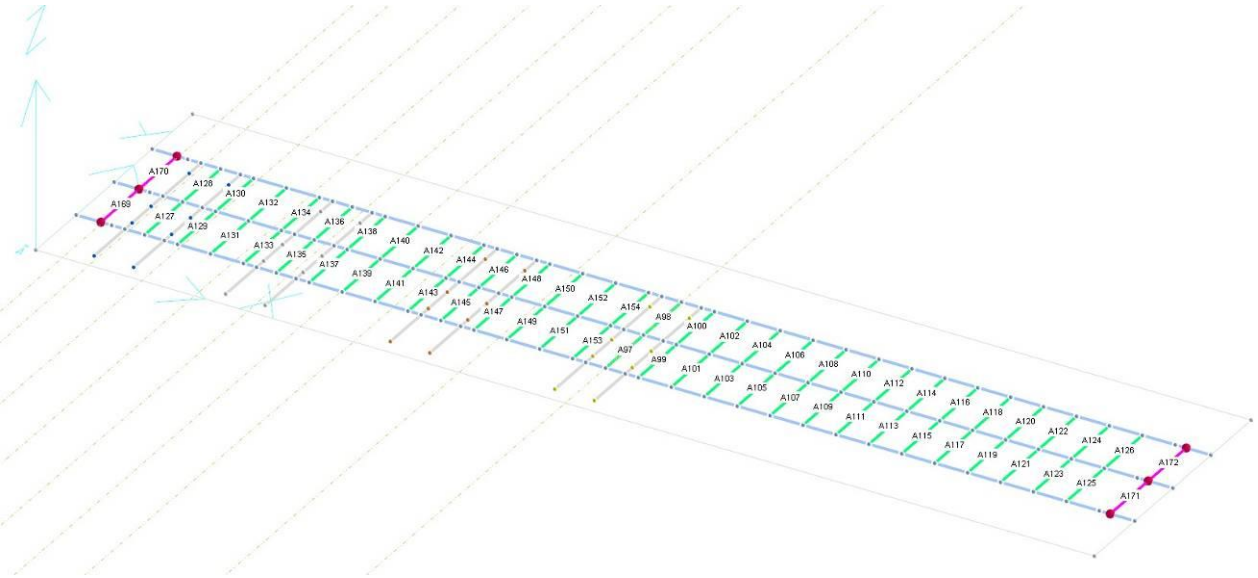
1. Allegato A - Struttura analizzata – Rampa S – Allineamenti [P4S – P5S]

1.1 MELAS1 – Modello struttura

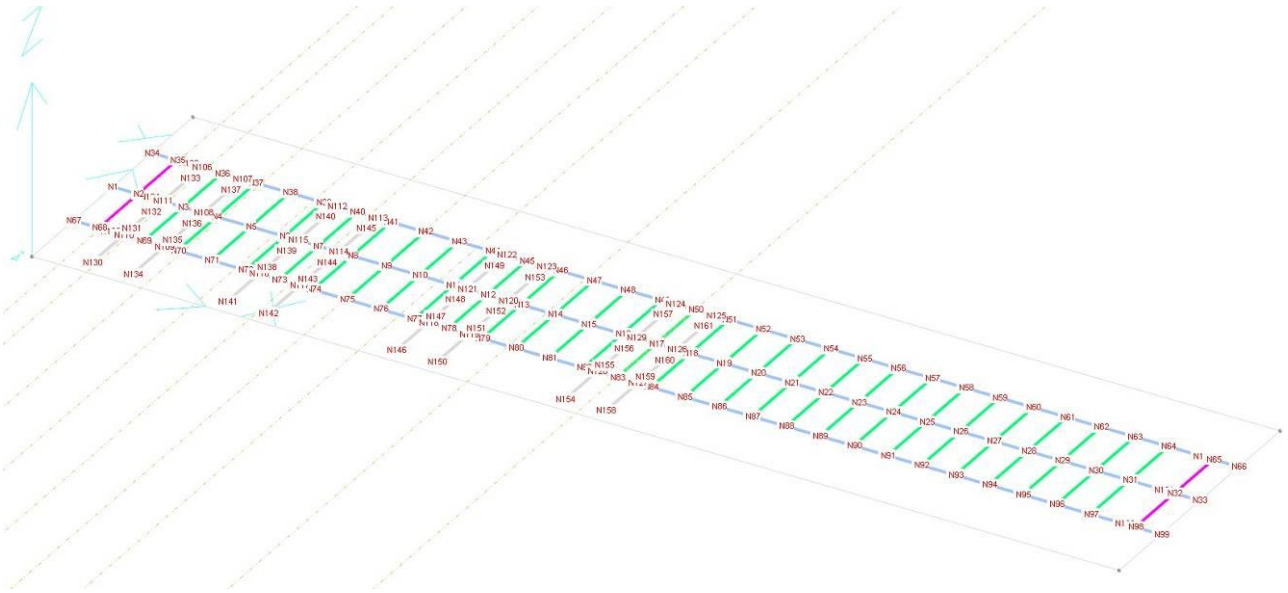
Numerazione aste e nodi:



MELAS1 – Numerazione aste travi



MELAS1– Numerazione aste soletta e traversi



MELAS1 – Numerazione nodi

```
*** DATI STRUTTURA

Unita` di misura :
LUNGHEZZE         : cm
SUPERFICI         : cm2
DATI SEZIONALI    : cm
ANGOLI            : gradi
FORZE             : daN
MOMENTI           : daNcm
CARICHI LINEARI   : daN/cm
CARICHI SUPERFIC.: daN/cm2
TENSIONI          : daN/cm2
PESI DI VOLUME    : daN/cm3
COEFF. DI WINKLER: daN/cm3
RIGIDEZZE VINCOL.: daN/cm - daNcm/rad

NODI--|-----------|-----------|-----------|-----------|-----------
|num.=    161
  Nome    Coord. X    Coord. Y    Coord. Z
     1       0.000     412.500       0.000
     2      75.000     412.500       0.000
     3     208.000     412.500       0.000
     4     308.000     412.500       0.000
     5     408.000     412.500       0.000
     6     508.000     412.500       0.000
     7     608.000     412.500       0.000
     8     708.000     412.500       0.000
     9     808.000     412.500       0.000
    10     908.000     412.500       0.000
    11    1008.000     412.500       0.000
    12    1108.000     412.500       0.000
    13    1208.000     412.500       0.000
    14    1308.000     412.500       0.000
    15    1408.000     412.500       0.000
    16    1508.000     412.500       0.000
    17    1608.000     412.500       0.000
    18    1708.000     412.500       0.000
    19    1808.000     412.500       0.000
    20    1908.000     412.500       0.000
    21    2008.000     412.500       0.000
    22    2108.000     412.500       0.000
    23    2208.000     412.500       0.000
    24    2308.000     412.500       0.000
    25    2408.000     412.500       0.000
    26    2508.000     412.500       0.000
    27    2608.000     412.500       0.000
    28    2708.000     412.500       0.000
    29    2808.000     412.500       0.000
    30    2908.000     412.500       0.000
    31    3008.000     412.500       0.000
    32    3141.000     412.500       0.000
    33    3216.000     412.500       0.000
    34       0.000     612.500       0.000
    35      75.000     612.500       0.000
    36     208.000     612.500       0.000
    37     308.000     612.500       0.000
    38     408.000     612.500       0.000
    39     508.000     612.500       0.000
    40     608.000     612.500       0.000
    41     708.000     612.500       0.000
    42     808.000     612.500       0.000
    43     908.000     612.500       0.000
    44    1008.000     612.500       0.000
    45    1108.000     612.500       0.000
    46    1208.000     612.500       0.000
    47    1308.000     612.500       0.000
    48    1408.000     612.500       0.000
    49    1508.000     612.500       0.000
    50    1608.000     612.500       0.000
    51    1708.000     612.500       0.000
    52    1808.000     612.500       0.000
    53    1908.000     612.500       0.000
    54    2008.000     612.500       0.000
    55    2108.000     612.500       0.000
    56    2208.000     612.500       0.000
    57    2308.000     612.500       0.000
    58    2408.000     612.500       0.000
    59    2508.000     612.500       0.000
    60    2608.000     612.500       0.000
    61    2708.000     612.500       0.000
    62    2808.000     612.500       0.000
    63    2908.000     612.500       0.000
    64    3008.000     612.500       0.000
    65    3141.000     612.500       0.000
    66    3216.000     612.500       0.000
    67       0.000     212.500       0.000
    68      75.000     212.500       0.000
    69     208.000     212.500       0.000
    70     308.000     212.500       0.000
    71     408.000     212.500       0.000
    72     508.000     212.500       0.000
    73     608.000     212.500       0.000
    74     708.000     212.500       0.000
    75     808.000     212.500       0.000
    76     908.000     212.500       0.000
    77    1008.000     212.500       0.000
    78    1108.000     212.500       0.000
    79    1208.000     212.500       0.000
    80    1308.000     212.500       0.000
    81    1408.000     212.500       0.000
    82    1508.000     212.500       0.000
    83    1608.000     212.500       0.000
    84    1708.000     212.500       0.000
    85    1808.000     212.500       0.000
    86    1908.000     212.500       0.000
    87    2008.000     212.500       0.000
    88    2108.000     212.500       0.000
    89    2208.000     212.500       0.000
    90    2308.000     212.500       0.000
    91    2408.000     212.500       0.000
    92    2508.000     212.500       0.000
```

Allegato A

Allegato A: strutture analizzate

93	2608.000	212.500	0.000	
94	2708.000	212.500	0.000	
95	2808.000	212.500	0.000	
96	2908.000	212.500	0.000	
97	3008.000	212.500	0.000	
98	3141.000	212.500	0.000	
99	3216.000	212.500	0.000	
100	3108.000	612.500	0.000	
101	3108.000	412.500	0.000	
102	3108.000	212.500	0.000	
103	108.000	612.500	0.000	
104	108.000	412.500	0.000	
105	108.000	212.500	0.000	
106	148.000	612.500	0.000	
107	268.000	612.500	0.000	
108	268.000	412.500	0.000	
109	268.000	212.500	0.000	
110	148.000	212.500	0.000	
111	148.000	412.500	0.000	
112	548.000	612.500	0.000	
113	668.000	612.500	0.000	
114	668.000	412.500	0.000	
115	548.000	412.500	0.000	
116	548.000	212.500	0.000	
117	668.000	212.500	0.000	
118	1048.000	212.500	0.000	
119	1168.000	212.500	0.000	
120	1168.000	412.500	0.000	
121	1048.000	412.500	0.000	
122	1048.000	612.500	0.000	
123	1168.000	612.500	0.000	
124	1548.000	612.500	0.000	
125	1668.000	612.500	0.000	
126	1668.000	412.500	0.000	
127	1668.000	212.500	0.000	
128	1548.000	212.500	0.000	
129	1548.000	412.500	0.000	
130	148.000	50.000	0.000	
131	148.000	250.000	0.000	
132	148.000	350.000	0.000	
133	148.000	550.000	0.000	
134	268.000	50.000	0.000	
135	268.000	250.000	0.000	
136	268.000	350.000	0.000	
137	268.000	550.000	0.000	
138	548.000	250.000	0.000	
139	548.000	350.000	0.000	
140	548.000	550.000	0.000	
141	548.000	50.000	0.000	
142	668.000	50.000	0.000	
143	668.000	250.000	0.000	
144	668.000	350.000	0.000	
145	668.000	550.000	0.000	
146	1048.000	50.000	0.000	
147	1048.000	250.000	0.000	
148	1048.000	350.000	0.000	
149	1048.000	550.000	0.000	
150	1168.000	50.000	0.000	
151	1168.000	250.000	0.000	
152	1168.000	350.000	0.000	
153	1168.000	550.000	0.000	
154	1548.000	50.000	0.000	
155	1548.000	250.000	0.000	
156	1548.000	350.000	0.000	
157	1548.000	550.000	0.000	
158	1668.000	50.000	0.000	
159	1668.000	250.000	0.000	
160	1668.000	350.000	0.000	
161	1668.000	550.000	0.000	

ASTE--|----------|----------|----------|----------|----------
|num.= 236

Nome fin.	Proprieta`	Nodo iniz.	Nodo fin.	Rilasci in.	Rilasci Orient.
1	1	1	2		0.0
2	1	2	104		0.0
3	1	3	108		0.0
4	1	4	5		0.0
5	1	5	6		0.0
6	1	6	115		0.0
7	1	7	114		0.0
8	1	8	9		0.0
9	1	9	10		0.0
10	1	10	11		0.0
11	1	11	121		0.0
12	1	12	120		0.0
13	1	13	14		0.0
14	1	14	15		0.0
15	1	15	16		0.0
16	1	16	129		0.0
17	1	17	126		0.0
18	1	18	19		0.0
19	1	19	20		0.0
20	1	20	21		0.0
21	1	21	22		0.0
22	1	22	23		0.0
23	1	23	24		0.0
24	1	24	25		0.0
25	1	25	26		0.0
26	1	26	27		0.0
27	1	27	28		0.0
28	1	28	29		0.0
29	1	29	30		0.0
30	1	30	31		0.0
31	1	31	101		0.0
32	1	32	33		0.0
33	4	34	35		0.0
34	4	35	103		0.0
35	4	36	107		0.0
36	4	37	38		0.0
37	4	38	39		0.0
38	4	39	112		0.0
39	4	40	113		0.0
40	4	41	42		0.0
41	4	42	43		0.0
42	4	43	44		0.0
43	4	44	122		0.0
44	4	45	123		0.0
45	4	46	47		0.0
46	4	47	48		0.0
47	4	48	49		0.0
48	4	49	124		0.0
49	4	50	125		0.0
50	4	51	52		0.0
51	4	52	53		0.0
52	4	53	54		0.0
53	4	54	55		0.0
54	4	55	56		0.0
55	4	56	57		0.0
56	4	57	58		0.0
57	4	58	59		0.0
58	4	59	60		0.0
59	4	60	61		0.0
60	4	61	62		0.0
61	4	62	63		0.0

Allegato A: strutture analizzate

62	4	63	64	0.0
63	4	64	100	0.0
64	4	65	66	0.0
65	3	67	68	0.0
66	3	68	105	0.0
67	3	69	109	0.0
68	3	70	71	0.0
69	3	71	72	0.0
70	3	72	116	0.0
71	3	73	117	0.0
72	3	74	75	0.0
73	3	75	76	0.0
74	3	76	77	0.0
75	3	77	118	0.0
76	3	78	119	0.0
77	3	79	80	0.0
78	3	80	81	0.0
79	3	81	82	0.0
80	3	82	128	0.0
81	3	83	127	0.0
82	3	84	85	0.0
83	3	85	86	0.0
84	3	86	87	0.0
85	3	87	88	0.0
86	3	88	89	0.0
87	3	89	90	0.0
88	3	90	91	0.0
89	3	91	92	0.0
90	3	92	93	0.0
91	3	93	94	0.0
92	3	94	95	0.0
93	3	95	96	0.0
94	3	96	97	0.0
95	3	97	102	0.0
96	3	98	99	0.0
97	2	83	17	0.0
98	2	17	50	0.0
99	2	84	18	0.0
100	2	18	51	0.0
101	2	85	19	0.0
102	2	19	52	0.0
103	2	86	20	0.0
104	2	20	53	0.0
105	2	87	21	0.0
106	2	21	54	0.0
107	2	88	22	0.0
108	2	22	55	0.0
109	2	89	23	0.0
110	2	23	56	0.0
111	2	90	24	0.0
112	2	24	57	0.0
113	2	91	25	0.0
114	2	25	58	0.0
115	2	92	26	0.0
116	2	26	59	0.0
117	2	93	27	0.0
118	2	27	60	0.0
119	2	94	28	0.0
120	2	28	61	0.0
121	2	95	29	0.0
122	2	29	62	0.0
123	2	96	30	0.0
124	2	30	63	0.0
125	2	97	31	0.0
126	2	31	64	0.0
127	2	69	3	0.0
128	2	3	36	0.0
129	2	70	4	0.0
130	2	4	37	0.0
131	2	71	5	0.0
132	2	5	38	0.0
133	2	72	6	0.0
134	2	6	39	0.0
135	2	73	7	0.0
136	2	7	40	0.0
137	2	74	8	0.0
138	2	8	41	0.0
139	2	75	9	0.0
140	2	9	42	0.0
141	2	76	10	0.0
142	2	10	43	0.0
143	2	77	11	0.0
144	2	11	44	0.0
145	2	78	12	0.0
146	2	12	45	0.0
147	2	79	13	0.0
148	2	13	46	0.0
149	2	80	14	0.0
150	2	14	47	0.0
151	2	81	15	0.0
152	2	15	48	0.0
153	2	82	16	0.0
154	2	16	49	0.0
155	4	100	65	0.0
156	1	101	32	0.0
157	3	102	98	0.0
158	4	103	106	0.0
159	1	104	111	0.0

Allegato A

Allegato A: strutture analizzate

```
   160          3          105          110
0.0
   169          7           68            2
0.0
   170          7            2           35
0.0
   171          7           98           32
0.0
   172          7           32           65
0.0
   173          4          106           36
0.0
   174          4          107           37
0.0
   175          1          108            4
0.0
   176          3          109           70
0.0
   177          3          110           69
0.0
   178          1          111            3
0.0
   179          4          112           40
0.0
   180          4          113           41
0.0
   181          1          114            8
0.0
   182          1          115            7
0.0
   183          3          116           73
0.0
   184          3          117           74
0.0
   185          3          118           78
0.0
   186          3          119           79
0.0
   187          1          120           13
0.0
   188          1          121           12
0.0
   189          4          122           45
0.0
   190          4          123           46
0.0
   191          4          124           50
0.0
   192          4          125           51
0.0
   193          1          126           18
0.0
   194          3          127           84
0.0
   195          3          128           83
0.0
   196          1          129           17
0.0
   197          8          130          110
0.0
   198          8          110          131        RyRz
0.0
   199          8          131          132
0.0
   200          8          132          111
0.0
   201          8          111          133        RyRz
0.0
   202          8          133          106
0.0
   203          8          134          109
0.0
   204          8          109          135        RyRz
0.0
   205          8          135          136
0.0
   206          8          136          108
0.0
   207          8          108          137        RyRz
0.0
   208          8          137          107
0.0
   209          8          116          138        RyRz
0.0
   210          8          138          139
0.0
   211          8          139          115
0.0
   212          8          115          140        RyRz
0.0
   213          8          140          112
0.0
   214          8          141          116
0.0
   215          8          142          117
0.0
   216          8          117          143        RyRz
0.0
   217          8          143          144
0.0
   218          8          144          114                   RxRyRz
0.0
   219          8          114          145        RyRz
0.0
   220          8          145          113                   RxRyRz
0.0
   221          8          146          118
0.0
   222          8          118          147        RyRz
0.0
   223          8          147          148
0.0
   224          8          148          121                   RxRyRz
0.0
   225          8          121          149        RyRz
0.0
   226          8          149          122                   RxRyRz
0.0
   227          8          150          119
0.0
   228          8          119          151        RyRz
0.0
   229          8          151          152
0.0
   230          8          152          120                   RxRyRz
0.0
   231          8          120          153        RyRz
0.0
   232          8          153          123                   RxRyRz
0.0
   233          8          154          128
0.0
   234          8          128          155        RyRz
0.0
   235          8          155          156
0.0
   236          8          156          129                   RxRyRz
0.0
   237          8          129          157        RyRz
0.0
   238          8          157          124                   RxRyRz
0.0
   239          8          158          127
0.0
   240          8          127          159        RyRz
0.0
   241          8          159          160
0.0
   242          8          160          126                   RxRyRz
0.0
   243          8          126          161        RyRz
0.0
   244          8          161          125                   RxRyRz
0.0
PROPRIETA` ASTE---|-----------|-----------|-----------|-----------
|num.=      6
  Nome   Materiale        Base     Altezza        Area Area tag. Y
Area tag.  Z
                      Kw vertic.   Kw orizz.      J tors. J fless. Y
J fless.  Z
        1                   1      198.00      190.00 1.29759E+04 1.29759E+04
RxRyRz 1.29759E+04
                         0.000000    0.000000 5.21626E+07 4.06054E+07
6.58881E+07
        2                   4      100.00       25.00 2.50000E+03 2.08333E+03
RxRyRz 2.08333E+03
                         0.000000    0.000000 4.38826E+05 2.08333E+06
1.30208E+05
        3                   1      300.80      190.00 1.56709E+04 1.56709E+04
1.56709E+04
                         0.000000    0.000000 5.21626E+07 9.19871E+07
7.76722E+07
        4                   1      300.80      190.00 1.56709E+04 1.56709E+04
RxRyRz 1.56709E+04
                         0.000000    0.000000 5.21626E+07 9.19871E+07
7.76722E+07
        7                   4      150.00      169.00 1.09501E+04 1.09501E+04
RxRyRz 1.09501E+04
                         0.000000    0.000000 6.00331E+06 8.53123E+06
3.02435E+07
        8                   1       50.00       50.00 2.50000E+03 2.08333E+03
2.08333E+03
                         0.000000    0.000000 8.80195E+05 5.20833E+05
RxRyRz 5.20833E+05
MATERIALI---------|-----------|-----------|-----------|-----------
|num.=      2
RxRyRz   Nome Mod. elast.   Coeff. nu  Mod. tang.  Peso spec.    Dil. te.
        1 3.64160E+05 1.50000E-01 1.30000E+05 2.50000E-03  1.00000E-
05
        4 3.46250E+05 1.50000E-01 1.30000E+05 2.50000E-03  1.00000E-
05
VINCOLI-----------|-----------|-----------|-----------|-----------
|num.=      6
```

Allegato A

Allegato A: strutture analizzate

Nodo	Rigid. X	Rigid. Y	Rigid. Z	Rigid. RX	Rigid. RY	Rigid. RZ
35	bloccato	bloccato	bloccato	libero	libero	libero
2	bloccato	bloccato	bloccato	libero	libero	libero
68	bloccato	bloccato	bloccato	libero	libero	libero
98	bloccato	bloccato	bloccato	libero	libero	libero
32	bloccato	bloccato	bloccato	libero	libero	libero
65	bloccato	bloccato	bloccato	libero	libero	libero

CARICHI NODI------|----------|----------|----------|----------
|num.= 32

	Nome	Nodo	Direzione	Intensita`
1	Q_C1_gomma	158	Z	-10000.5
2	Q_C1_gomma	154	Z	-10000.5
3	Q_C1_gomma	155	Z	-10000.5
4	Q_C1_gomma	159	Z	-10000.5
5	Q_C1_gomma	146	Z	-10000.5
6	Q_C1_gomma	150	Z	-10000.5
7	Q_C1_gomma	147	Z	-10000.5
8	Q_C1_gomma	151	Z	-10000.5
9	Q_C1_gomma	141	Z	-10000.5
10	Q_C1_gomma	142	Z	-10000.5
11	Q_C1_gomma	138	Z	-10000.5
12	Q_C1_gomma	143	Z	-10000.5
13	Q_C1_gomma	130	Z	-10000.5
14	Q_C1_gomma	134	Z	-10000.5
15	Q_C1_gomma	131	Z	-10000.5
16	Q_C1_gomma	135	Z	-10000.5
17	Q_C2_gomma	156	Z	-10000.0
18	Q_C2_gomma	160	Z	-10000.0
19	Q_C2_gomma	157	Z	-10000.0
20	Q_C2_gomma	161	Z	-10000.0
21	Q_C2_gomma	148	Z	-10000.0
22	Q_C2_gomma	152	Z	-10000.0
23	Q_C2_gomma	149	Z	-10000.0
24	Q_C2_gomma	153	Z	-10000.0
25	Q_C2_gomma	139	Z	-10000.0
26	Q_C2_gomma	144	Z	-10000.0
27	Q_C2_gomma	140	Z	-10000.0
28	Q_C2_gomma	145	Z	-10000.0
29	Q_C2_gomma	132	Z	-10000.0
30	Q_C2_gomma	136	Z	-10000.0
31	Q_C2_gomma	133	Z	-10000.0
32	Q_C2_gomma	137	Z	-10000.0

CARICHI ASTE------|----------|----------|----------|----------
|num.= 1138

	Nome	Asta	Dir	Tip	RIF	Parametro 1	Parametro 2	Parametro 3	Parametro 4
33	Pp_travi_CIR_198_160	35	Z	FD	glo	-20.000			
34	Pp_travi_CIR_198_160	36	Z	FD	glo	-20.000			
35	Pp_travi_CIR_198_160	37	Z	FD	glo	-20.000			
36	Pp_travi_CIR_198_160	38	Z	FD	glo	-20.000			
37	Pp_travi_CIR_198_160	39	Z	FD	glo	-20.000			
38	Pp_travi_CIR_198_160	40	Z	FD	glo	-20.000			
39	Pp_travi_CIR_198_160	41	Z	FD	glo	-20.000			
40	Pp_travi_CIR_198_160	42	Z	FD	glo	-20.000			
41	Pp_travi_CIR_198_160	43	Z	FD	glo	-20.000			
42	Pp_travi_CIR_198_160	44	Z	FD	glo	-20.000			
43	Pp_travi_CIR_198_160	45	Z	FD	glo	-20.000			
44	Pp_travi_CIR_198_160	46	Z	FD	glo	-20.000			
45	Pp_travi_CIR_198_160	47	Z	FD	glo	-20.000			
46	Pp_travi_CIR_198_160	48	Z	FD	glo	-20.000			
47	Pp_travi_CIR_198_160	49	Z	FD	glo	-20.000			
48	Pp_travi_CIR_198_160	50	Z	FD	glo	-20.000			
49	Pp_travi_CIR_198_160	51	Z	FD	glo	-20.000			
50	Pp_travi_CIR_198_160	52	Z	FD	glo	-20.000			
51	Pp_travi_CIR_198_160	53	Z	FD	glo	-20.000			
52	Pp_travi_CIR_198_160	54	Z	FD	glo	-20.000			
53	Pp_travi_CIR_198_160	55	Z	FD	glo	-20.000			
54	Pp_travi_CIR_198_160	56	Z	FD	glo	-20.000			
55	Pp_travi_CIR_198_160	57	Z	FD	glo	-20.000			
56	Pp_travi_CIR_198_160	58	Z	FD	glo	-20.000			
57	Pp_travi_CIR_198_160	59	Z	FD	glo	-20.000			
58	Pp_travi_CIR_198_160	60	Z	FD	glo	-20.000			
59	Pp_travi_CIR_198_160	61	Z	FD	glo	-20.000			
60	Pp_travi_CIR_198_160	62	Z	FD	glo	-20.000			
61	Pp_travi_CIR_198_160	64	Z	FD	glo	-20.000			
62	Pp_travi_CIR_198_160	33	Z	FD	glo	-20.000			
63	Pp_travi_CIR_198_160	63	Z	FD	glo	-20.000			
64	Pp_travi_CIR_198_160	155	Z	FD	glo	-20.000			
65	Pp_travi_CIR_198_160	34	Z	FD	glo	-20.000			
66	Pp_travi_CIR_198_160	158	Z	FD	glo	-20.000			
67	Pp_travi_CIR_198_160	3	Z	FD	glo	-20.000			
68	Pp_travi_CIR_198_160	4	Z	FD	glo	-20.000			
69	Pp_travi_CIR_198_160	5	Z	FD	glo	-20.000			
70	Pp_travi_CIR_198_160	6	Z	FD	glo	-20.000			
71	Pp_travi_CIR_198_160	7	Z	FD	glo	-20.000			
72	Pp_travi_CIR_198_160	8	Z	FD	glo	-20.000			
73	Pp_travi_CIR_198_160	9	Z	FD	glo	-20.000			
74	Pp_travi_CIR_198_160	10	Z	FD	glo	-20.000			
75	Pp_travi_CIR_198_160	11	Z	FD	glo	-20.000			
76	Pp_travi_CIR_198_160	12	Z	FD	glo	-20.000			
77	Pp_travi_CIR_198_160	13	Z	FD	glo	-20.000			
78	Pp_travi_CIR_198_160	14	Z	FD	glo	-20.000			
79	Pp_travi_CIR_198_160	15	Z	FD	glo	-20.000			
80	Pp_travi_CIR_198_160	16	Z	FD	glo	-20.000			
81	Pp_travi_CIR_198_160	17	Z	FD	glo	-20.000			
82	Pp_travi_CIR_198_160	18	Z	FD	glo	-20.000			
83	Pp_travi_CIR_198_160	19	Z	FD	glo	-20.000			
84	Pp_travi_CIR_198_160	20	Z	FD	glo	-20.000			
85	Pp_travi_CIR_198_160	21	Z	FD	glo	-20.000			
86	Pp_travi_CIR_198_160	22	Z	FD	glo	-20.000			
87	Pp_travi_CIR_198_160	23	Z	FD	glo	-20.000			
88	Pp_travi_CIR_198_160	24	Z	FD	glo	-20.000			
89	Pp_travi_CIR_198_160	25	Z	FD	glo	-20.000			
90	Pp_travi_CIR_198_160	26	Z	FD	glo	-20.000			
91	Pp_travi_CIR_198_160	27	Z	FD	glo	-20.000			
92	Pp_travi_CIR_198_160	28	Z	FD	glo	-20.000			
93	Pp_travi_CIR_198_160	29	Z	FD	glo	-20.000			
94	Pp_travi_CIR_198_160	30	Z	FD	glo	-20.000			
95	Pp_travi_CIR_198_160	32	Z	FD	glo	-20.000			
96	Pp_travi_CIR_198_160	1	Z	FD	glo	-20.000			
97	Pp_travi_CIR_198_160	31	Z	FD	glo	-20.000			
98	Pp_travi_CIR_198_160	156	Z	FD	glo	-20.000			
99	Pp_travi_CIR_198_160	2	Z	FD	glo	-20.000			
100	Pp_travi_CIR_198_160	159	Z	FD	glo	-20.000			
101	Pp_travi_CIR_198_160	67	Z	FD	glo	-20.000			
102	Pp_travi_CIR_198_160	68	Z	FD	glo	-20.000			
103	Pp_travi_CIR_198_160	69	Z	FD	glo	-20.000			
104	Pp_travi_CIR_198_160	70	Z	FD	glo	-20.000			
105	Pp_travi_CIR_198_160	71	Z	FD	glo	-20.000			
106	Pp_travi_CIR_198_160	72	Z	FD	glo	-20.000			
107	Pp_travi_CIR_198_160	73	Z	FD	glo	-20.000			
108	Pp_travi_CIR_198_160	74	Z	FD	glo	-20.000			
109	Pp_travi_CIR_198_160	75	Z	FD	glo	-20.000			
110	Pp_travi_CIR_198_160	76	Z	FD	glo	-20.000			
111	Pp_travi_CIR_198_160	77	Z	FD	glo	-20.000			
112	Pp_travi_CIR_198_160	78	Z	FD	glo	-20.000			
113	Pp_travi_CIR_198_160	79	Z	FD	glo	-20.000			
114	Pp_travi_CIR_198_160	80	Z	FD	glo	-20.000			
115	Pp_travi_CIR_198_160	81	Z	FD	glo	-20.000			
116	Pp_travi_CIR_198_160	82	Z	FD	glo	-20.000			
117	Pp_travi_CIR_198_160	83	Z	FD	glo	-20.000			
118	Pp_travi_CIR_198_160	84	Z	FD	glo	-20.000			
119	Pp_travi_CIR_198_160	85	Z	FD	glo	-20.000			
120	Pp_travi_CIR_198_160	86	Z	FD	glo	-20.000			
121	Pp_travi_CIR_198_160	87	Z	FD	glo	-20.000			
122	Pp_travi_CIR_198_160	88	Z	FD	glo	-20.000			
123	Pp_travi_CIR_198_160	89	Z	FD	glo	-20.000			
124	Pp_travi_CIR_198_160	90	Z	FD	glo	-20.000			
125	Pp_travi_CIR_198_160	91	Z	FD	glo	-20.000			
126	Pp_travi_CIR_198_160	92	Z	FD	glo	-20.000			
127	Pp_travi_CIR_198_160	93	Z	FD	glo	-20.000			
128	Pp_travi_CIR_198_160	94	Z	FD	glo	-20.000			
129	Pp_travi_CIR_198_160	96	Z	FD	glo	-20.000			
130	Pp_travi_CIR_198_160	65	Z	FD	glo	-20.000			
131	Pp_travi_CIR_198_160	95	Z	FD	glo	-20.000			
132	Pp_travi_CIR_198_160	157	Z	FD	glo	-20.000			
133	Pp_travi_CIR_198_160	66	Z	FD	glo	-20.000			
134	Pp_travi_CIR_198_160	160	Z	FD	glo	-20.000			
135	Pp_travi_CIR_198_160	173	Z	FD	glo	-20.000			
136	Pp_travi_CIR_198_160	174	Z	FD	glo	-20.000			
137	Pp_travi_CIR_198_160	175	Z	FD	glo	-20.000			
138	Pp_travi_CIR_198_160	176	Z	FD	glo	-20.000			
139	Pp_travi_CIR_198_160	177	Z	FD	glo	-20.000			
140	Pp_travi_CIR_198_160	178	Z	FD	glo	-20.000			
141	Pp_travi_CIR_198_160	179	Z	FD	glo	-20.000			
142	Pp_travi_CIR_198_160	180	Z	FD	glo	-20.000			
143	Pp_travi_CIR_198_160	181	Z	FD	glo	-20.000			
144	Pp_travi_CIR_198_160	182	Z	FD	glo	-20.000			
145	Pp_travi_CIR_198_160	183	Z	FD	glo	-20.000			
146	Pp_travi_CIR_198_160	184	Z	FD	glo	-20.000			
147	Pp_travi_CIR_198_160	185	Z	FD	glo	-20.000			
148	Pp_travi_CIR_198_160	186	Z	FD	glo	-20.000			
149	Pp_travi_CIR_198_160	187	Z	FD	glo	-20.000			
150	Pp_travi_CIR_198_160	188	Z	FD	glo	-20.000			
151	Pp_travi_CIR_198_160	189	Z	FD	glo	-20.000			
152	Pp_travi_CIR_198_160	190	Z	FD	glo	-20.000			
153	Pp_travi_CIR_198_160	191	Z	FD	glo	-20.000			
154	Pp_travi_CIR_198_160	192	Z	FD	glo	-20.000			
155	Pp_travi_CIR_198_160	193	Z	FD	glo	-20.000			
156	Pp_travi_CIR_198_160	194	Z	FD	glo	-20.000			
157	Pp_travi_CIR_198_160	195	Z	FD	glo	-20.000			
158	Pp_travi_CIR_198_160	196	Z	FD	glo	-20.000			
159	Soletta_centrale	3	Z	FD	glo	-18.000			
160	Soletta_centrale	4	Z	FD	glo	-18.000			
161	Soletta_centrale	5	Z	FD	glo	-18.000			
162	Soletta_centrale	6	Z	FD	glo	-18.000			
163	Soletta_centrale	7	Z	FD	glo	-18.000			
164	Soletta_centrale	8	Z	FD	glo	-18.000			
165	Soletta_centrale	9	Z	FD	glo	-18.000			
166	Soletta_centrale	10	Z	FD	glo	-18.000			
167	Soletta_centrale	11	Z	FD	glo	-18.000			
168	Soletta_centrale	12	Z	FD	glo	-18.000			
169	Soletta_centrale	13	Z	FD	glo	-18.000			
170	Soletta_centrale	14	Z	FD	glo	-18.000			
171	Soletta_centrale	15	Z	FD	glo	-18.000			
172	Soletta_centrale	16	Z	FD	glo	-18.000			
173	Soletta_centrale	17	Z	FD	glo	-18.000			
174	Soletta_centrale	18	Z	FD	glo	-18.000			
175	Soletta_centrale	19	Z	FD	glo	-18.000			

Allegato A

Allegato A: strutture analizzate

176	Soletta_centrale	20	Z	FD glo	-18.000				
177	Soletta_centrale	21	Z	FD glo	-18.000				
178	Soletta_centrale	22	Z	FD glo	-18.000				
179	Soletta_centrale	23	Z	FD glo	-18.000				
180	Soletta_centrale	24	Z	FD glo	-18.000				
181	Soletta_centrale	25	Z	FD glo	-18.000				
182	Soletta_centrale	26	Z	FD glo	-18.000				
183	Soletta_centrale	27	Z	FD glo	-18.000				
184	Soletta_centrale	28	Z	FD glo	-18.000				
185	Soletta_centrale	29	Z	FD glo	-18.000				
186	Soletta_centrale	30	Z	FD glo	-18.000				
187	Soletta_centrale	32	Z	FD glo	-18.000				
188	Soletta_centrale	1	Z	FD glo	-18.000				
189	Soletta_centrale	31	Z	FD glo	-18.000				
190	Soletta_centrale	156	Z	FD glo	-18.000				
191	Soletta_centrale	2	Z	FD glo	-18.000				
192	Soletta_centrale	159	Z	FD glo	-18.000				
193	Soletta_bordo	35	Z	FD glo	-28.215				
194	Soletta_bordo	36	Z	FD glo	-28.215				
195	Soletta_bordo	37	Z	FD glo	-28.215				
196	Soletta_bordo	38	Z	FD glo	-28.215				
197	Soletta_bordo	39	Z	FD glo	-28.215				
198	Soletta_bordo	40	Z	FD glo	-28.215				
199	Soletta_bordo	41	Z	FD glo	-28.215				
200	Soletta_bordo	42	Z	FD glo	-28.215				
201	Soletta_bordo	43	Z	FD glo	-28.215				
202	Soletta_bordo	44	Z	FD glo	-28.215				
203	Soletta_bordo	45	Z	FD glo	-28.215				
204	Soletta_bordo	46	Z	FD glo	-28.215				
205	Soletta_bordo	47	Z	FD glo	-28.215				
206	Soletta_bordo	48	Z	FD glo	-28.215				
207	Soletta_bordo	49	Z	FD glo	-28.215				
208	Soletta_bordo	50	Z	FD glo	-28.215				
209	Soletta_bordo	51	Z	FD glo	-28.215				
210	Soletta_bordo	52	Z	FD glo	-28.215				
211	Soletta_bordo	53	Z	FD glo	-28.215				
212	Soletta_bordo	54	Z	FD glo	-28.215				
213	Soletta_bordo	55	Z	FD glo	-28.215				
214	Soletta_bordo	56	Z	FD glo	-28.215				
215	Soletta_bordo	57	Z	FD glo	-28.215				
216	Soletta_bordo	58	Z	FD glo	-28.215				
217	Soletta_bordo	59	Z	FD glo	-28.215				
218	Soletta_bordo	60	Z	FD glo	-28.215				
219	Soletta_bordo	61	Z	FD glo	-28.215				
220	Soletta_bordo	62	Z	FD glo	-28.215				
221	Soletta_bordo	64	Z	FD glo	-28.215				
222	Soletta_bordo	33	Z	FD glo	-28.215				
223	Soletta_bordo	63	Z	FD glo	-28.215				
224	Soletta_bordo	155	Z	FD glo	-28.215				
225	Soletta_bordo	34	Z	FD glo	-28.215				
226	Soletta_bordo	158	Z	FD glo	-28.215				
227	Soletta_bordo	67	Z	FD glo	-28.215				
228	Soletta_bordo	68	Z	FD glo	-28.215				
229	Soletta_bordo	69	Z	FD glo	-28.215				
230	Soletta_bordo	70	Z	FD glo	-28.215				
231	Soletta_bordo	71	Z	FD glo	-28.215				
232	Soletta_bordo	72	Z	FD glo	-28.215				
233	Soletta_bordo	73	Z	FD glo	-28.215				
234	Soletta_bordo	74	Z	FD glo	-28.215				
235	Soletta_bordo	75	Z	FD glo	-28.215				
236	Soletta_bordo	76	Z	FD glo	-28.215				
237	Soletta_bordo	77	Z	FD glo	-28.215				
238	Soletta_bordo	78	Z	FD glo	-28.215				
239	Soletta_bordo	79	Z	FD glo	-28.215				
240	Soletta_bordo	80	Z	FD glo	-28.215				
241	Soletta_bordo	81	Z	FD glo	-28.215				
242	Soletta_bordo	82	Z	FD glo	-28.215				
243	Soletta_bordo	83	Z	FD glo	-28.215				
244	Soletta_bordo	84	Z	FD glo	-28.215				
245	Soletta_bordo	85	Z	FD glo	-28.215				
246	Soletta_bordo	86	Z	FD glo	-28.215				
247	Soletta_bordo	87	Z	FD glo	-28.215				
248	Soletta_bordo	88	Z	FD glo	-28.215				
249	Soletta_bordo	89	Z	FD glo	-28.215				
250	Soletta_bordo	90	Z	FD glo	-28.215				
251	Soletta_bordo	91	Z	FD glo	-28.215				
252	Soletta_bordo	92	Z	FD glo	-28.215				
253	Soletta_bordo	93	Z	FD glo	-28.215				
254	Soletta_bordo	94	Z	FD glo	-28.215				
255	Soletta_bordo	96	Z	FD glo	-28.215				
256	Soletta_bordo	65	Z	FD glo	-28.215				
257	Soletta_bordo	95	Z	FD glo	-28.215				
258	Soletta_bordo	157	Z	FD glo	-28.215				
259	Soletta_bordo	66	Z	FD glo	-28.215				
260	Soletta_bordo	160	Z	FD glo	-28.215				
261	Soletta_bordo_+	68	Rx	CD loc	1586.0		1586.0	0.000	0.000
262	Soletta_bordo_+	69	Rx	CD loc	1586.0		1586.0	0.000	0.000
263	Soletta_bordo_+	72	Rx	CD loc	1586.0		1586.0	0.000	0.000
264	Soletta_bordo_+	73	Rx	CD loc	1586.0		1586.0	0.000	0.000
265	Soletta_bordo_+	74	Rx	CD loc	1586.0		1586.0	0.000	0.000
266	Soletta_bordo_+	77	Rx	CD loc	1586.0		1586.0	0.000	0.000
267	Soletta_bordo_+	78	Rx	CD loc	1586.0		1586.0	0.000	0.000
268	Soletta_bordo_+	79	Rx	CD loc	1586.0		1586.0	0.000	0.000
269	Soletta_bordo_+	82	Rx	CD loc	1586.0		1586.0	0.000	0.000
270	Soletta_bordo_+	83	Rx	CD loc	1586.0		1586.0	0.000	0.000
271	Soletta_bordo_+	84	Rx	CD loc	1586.0		1586.0	0.000	0.000
272	Soletta_bordo_+	85	Rx	CD loc	1586.0		1586.0	0.000	0.000
273	Soletta_bordo_+	86	Rx	CD loc	1586.0		1586.0	0.000	0.000
274	Soletta_bordo_+	87	Rx	CD loc	1586.0		1586.0	0.000	0.000
275	Soletta_bordo_+	88	Rx	CD loc	1586.0		1586.0	0.000	0.000
276	Soletta_bordo_+	89	Rx	CD loc	1586.0		1586.0	0.000	0.000
277	Soletta_bordo_+	90	Rx	CD loc	1586.0		1586.0	0.000	0.000
278	Soletta_bordo_+	91	Rx	CD loc	1586.0		1586.0	0.000	0.000
279	Soletta_bordo_+	92	Rx	CD loc	1586.0		1586.0	0.000	0.000
280	Soletta_bordo_+	93	Rx	CD loc	1586.0		1586.0	0.000	0.000
281	Soletta_bordo_+	94	Rx	CD loc	1586.0		1586.0	0.000	0.000
282	Soletta_bordo_+	96	Rx	CD loc	1586.0		1586.0	0.000	0.000
283	Soletta_bordo_+	65	Rx	CD loc	1586.0		1586.0	0.000	0.000
284	Soletta_bordo_+	95	Rx	CD loc	1586.0		1586.0	0.000	0.000
285	Soletta_bordo_+	157	Rx	CD loc	1586.0		1586.0	0.000	0.000
286	Soletta_bordo_+	66	Rx	CD loc	1586.0		1586.0	0.000	0.000
287	Soletta_bordo_-	36	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
288	Soletta_bordo_-	37	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
289	Soletta_bordo_-	40	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
290	Soletta_bordo_-	41	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
291	Soletta_bordo_-	42	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
292	Soletta_bordo_-	45	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
293	Soletta_bordo_-	46	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
294	Soletta_bordo_-	47	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
295	Soletta_bordo_-	50	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
296	Soletta_bordo_-	51	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
297	Soletta_bordo_-	52	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
298	Soletta_bordo_-	53	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
299	Soletta_bordo_-	54	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
300	Soletta_bordo_-	55	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
301	Soletta_bordo_-	56	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
302	Soletta_bordo_-	57	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
303	Soletta_bordo_-	58	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
304	Soletta_bordo_-	59	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
305	Soletta_bordo_-	60	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
306	Soletta_bordo_-	61	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
307	Soletta_bordo_-	62	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
308	Soletta_bordo_-	64	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
309	Soletta_bordo_-	33	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
310	Soletta_bordo_-	63	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
311	Soletta_bordo_-	155	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
312	Soletta_bordo_-	34	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
313	Soletta_bordo	173	Z	FD glo	-28.215				
314	Soletta_bordo_-	158	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
315	Soletta_bordo_-	173	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000
316	Soletta_bordo	174	Z	FD glo	-28.215				
317	Soletta_bordo_-	35	Rx	CD loc	-1586.0	-	1586.0	0.000	0.000

Allegato A

Allegato A: strutture analizzate

```
  318 Soletta_bordo_-        174  Rx  CD loc    -1586.0   -
1586.0      0.000      0.000
  319 Soletta_centrale       175  Z   FD glo    -18.000
  320 Soletta_bordo          176  Z   FD glo    -28.215
  321 Soletta_bordo_+         67  Rx  CD loc     1586.0
1586.0      0.000      0.000
  322 Soletta_bordo_+        176  Rx  CD loc     1586.0
1586.0      0.000      0.000
  323 Soletta_bordo          177  Z   FD glo    -28.215
  324 Soletta_bordo_+        160  Rx  CD loc     1586.0
1586.0      0.000      0.000
  325 Soletta_bordo_+        177  Rx  CD loc     1586.0
1586.0      0.000      0.000
  326 Soletta_centrale       178  Z   FD glo    -18.000
  327 Soletta_bordo          179  Z   FD glo    -28.215
  328 Soletta_bordo_-         38  Rx  CD loc    -1586.0   -
1586.0      0.000      0.000
  329 Soletta_bordo_-        179  Rx  CD loc    -1586.0   -
1586.0      0.000      0.000
  330 Soletta_bordo          180  Z   FD glo    -28.215
  331 Soletta_bordo_-         39  Rx  CD loc    -1586.0   -
1586.0      0.000      0.000
  332 Soletta_bordo_-        180  Rx  CD loc    -1586.0   -
1586.0      0.000      0.000
  333 Soletta_centrale       181  Z   FD glo    -18.000
  334 Soletta_centrale       182  Z   FD glo    -18.000
  335 Soletta_bordo          183  Z   FD glo    -28.215
  336 Soletta_bordo_+         70  Rx  CD loc     1586.0
1586.0      0.000      0.000
  337 Soletta_bordo_+        183  Rx  CD loc     1586.0
1586.0      0.000      0.000
  338 Soletta_bordo          184  Z   FD glo    -28.215
  339 Soletta_bordo_+         71  Rx  CD loc     1586.0
1586.0      0.000      0.000
  340 Soletta_bordo_+        184  Rx  CD loc     1586.0
1586.0      0.000      0.000
  341 Soletta_bordo          185  Z   FD glo    -28.215
  342 Soletta_bordo_+         75  Rx  CD loc     1586.0
1586.0      0.000      0.000
  343 Soletta_bordo_+        185  Rx  CD loc     1586.0
1586.0      0.000      0.000
  344 Soletta_bordo          186  Z   FD glo    -28.215
  345 Soletta_bordo_+         76  Rx  CD loc     1586.0
1586.0      0.000      0.000
  346 Soletta_bordo_+        186  Rx  CD loc     1586.0
1586.0      0.000      0.000
  347 Soletta_centrale       187  Z   FD glo    -18.000
  348 Soletta_centrale       188  Z   FD glo    -18.000
  349 Soletta_bordo          189  Z   FD glo    -28.215
  350 Soletta_bordo_-         43  Rx  CD loc    -1586.0   -
1586.0      0.000      0.000
  351 Soletta_bordo_-        189  Rx  CD loc    -1586.0   -
1586.0      0.000      0.000
  352 Soletta_bordo          190  Z   FD glo    -28.215
  353 Soletta_bordo_-         44  Rx  CD loc    -1586.0   -
1586.0      0.000      0.000
  354 Soletta_bordo_-        190  Rx  CD loc    -1586.0   -
1586.0      0.000      0.000
  355 Soletta_bordo          191  Z   FD glo    -28.215
  356 Soletta_bordo_-         48  Rx  CD loc    -1586.0   -
1586.0      0.000      0.000
  357 Soletta_bordo_-        191  Rx  CD loc    -1586.0   -
1586.0      0.000      0.000
  358 Soletta_bordo          192  Z   FD glo    -28.215
  359 Soletta_bordo_-         49  Rx  CD loc    -1586.0   -
1586.0      0.000      0.000
  360 Soletta_bordo_-        192  Rx  CD loc    -1586.0   -
1586.0      0.000      0.000
  361 Soletta_centrale       193  Z   FD glo    -18.000
  362 Soletta_bordo          194  Z   FD glo    -28.215
  363 Soletta_bordo_+         81  Rx  CD loc     1586.0
1586.0      0.000      0.000
  364 Soletta_bordo_+        194  Rx  CD loc     1586.0
1586.0      0.000      0.000
  365 Soletta_bordo          195  Z   FD glo    -28.215
  366 Soletta_bordo_+         80  Rx  CD loc     1586.0
1586.0      0.000      0.000
  367 Soletta_bordo_+        195  Rx  CD loc     1586.0
1586.0      0.000      0.000
  368 Soletta_centrale       196  Z   FD glo    -18.000
  369 Cordolo_grande          35  Z   FD glo     -9.380
  370 Cordolo_grande          36  Z   FD glo     -9.380
  371 Cordolo_grande          37  Z   FD glo     -9.380
  372 Cordolo_grande          38  Z   FD glo     -9.380
  373 Cordolo_grande          39  Z   FD glo     -9.380
  374 Cordolo_grande          40  Z   FD glo     -9.380
  375 Cordolo_grande          41  Z   FD glo     -9.380
  376 Cordolo_grande          42  Z   FD glo     -9.380
  377 Cordolo_grande          43  Z   FD glo     -9.380
  378 Cordolo_grande          44  Z   FD glo     -9.380
  379 Cordolo_grande          45  Z   FD glo     -9.380
  380 Cordolo_grande          46  Z   FD glo     -9.380
  381 Cordolo_grande          47  Z   FD glo     -9.380
  382 Cordolo_grande          48  Z   FD glo     -9.380
  383 Cordolo_grande          49  Z   FD glo     -9.380
  384 Cordolo_grande          50  Z   FD glo     -9.380
  385 Cordolo_grande          51  Z   FD glo     -9.380
  386 Cordolo_grande          52  Z   FD glo     -9.380
  387 Cordolo_grande          53  Z   FD glo     -9.380
  388 Cordolo_grande          54  Z   FD glo     -9.380
  389 Cordolo_grande          55  Z   FD glo     -9.380
  390 Cordolo_grande          56  Z   FD glo     -9.380
  391 Cordolo_grande          57  Z   FD glo     -9.380
  392 Cordolo_grande          58  Z   FD glo     -9.380
  393 Cordolo_grande          59  Z   FD glo     -9.380
  394 Cordolo_grande          60  Z   FD glo     -9.380
  395 Cordolo_grande          61  Z   FD glo     -9.380
  396 Cordolo_grande          62  Z   FD glo     -9.380
  397 Cordolo_grande          64  Z   FD glo     -9.380
  398 Cordolo_grande          33  Z   FD glo     -9.380
  399 Cordolo_grande          63  Z   FD glo     -9.380
  400 Cordolo_grande         155  Z   FD glo     -9.380
  401 Cordolo_grande          34  Z   FD glo     -9.380
  402 Cordolo_grande         158  Z   FD glo     -9.380
  403 Cordolo_grande_-        36  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  404 Cordolo_grande_-        37  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  405 Cordolo_grande_-        40  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  406 Cordolo_grande_-        41  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  407 Cordolo_grande_-        42  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  408 Cordolo_grande_-        45  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  409 Cordolo_grande_-        46  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  410 Cordolo_grande_-        47  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  411 Cordolo_grande_-        50  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  412 Cordolo_grande_-        51  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  413 Cordolo_grande_-        52  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  414 Cordolo_grande_-        53  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  415 Cordolo_grande_-        54  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  416 Cordolo_grande_-        55  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  417 Cordolo_grande_-        56  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  418 Cordolo_grande_-        57  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  419 Cordolo_grande_-        58  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  420 Cordolo_grande_-        59  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  421 Cordolo_grande_-        60  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  422 Cordolo_grande_-        61  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  423 Cordolo_grande_-        62  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  424 Cordolo_grande_-        64  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  425 Cordolo_grande_-        33  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  426 Cordolo_grande_-        63  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  427 Cordolo_grande_-       155  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  428 Cordolo_grande_-        34  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  429 Cordolo_grande         173  Z   FD glo     -9.380
  430 Cordolo_grande_-       158  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  431 Cordolo_grande_-       173  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  432 Cordolo_grande         174  Z   FD glo     -9.380
  433 Cordolo_grande_-        35  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  434 Cordolo_grande_-       174  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  435 Cordolo_grande         179  Z   FD glo     -9.380
  436 Cordolo_grande_-        38  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  437 Cordolo_grande_-       179  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  438 Cordolo_grande         180  Z   FD glo     -9.380
  439 Cordolo_grande_-        39  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  440 Cordolo_grande_-       180  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  441 Cordolo_grande         189  Z   FD glo     -9.380
  442 Cordolo_grande_-        43  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  443 Cordolo_grande_-       189  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  444 Cordolo_grande         190  Z   FD glo     -9.380
  445 Cordolo_grande_-        44  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  446 Cordolo_grande_-       190  Rx  CD loc    -1424.0   -
1424.0      0.000      0.000
  447 Cordolo_grande         191  Z   FD glo     -9.380
```

Allegato A: strutture analizzate

448	Cordolo_grande_-	48	Rx	CD loc	-1424.0	-
1424.0	0.000	0.000				
449	Cordolo_grande_-	191	Rx	CD loc	-1424.0	-
1424.0	0.000	0.000				
450	Cordolo_grande	192	Z	FD glo	-9.380	
451	Cordolo_grande_-	49	Rx	CD loc	-1424.0	-
1424.0	0.000	0.000				
452	Cordolo_grande_-	192	Rx	CD loc	-1424.0	-
1424.0	0.000	0.000				
453	Pavim_centrale	35	Z	FD glo	-6.000	
454	Pavim_centrale	36	Z	FD glo	-6.000	
455	Pavim_centrale	37	Z	FD glo	-6.000	
456	Pavim_centrale	38	Z	FD glo	-6.000	
457	Pavim_centrale	39	Z	FD glo	-6.000	
458	Pavim_centrale	40	Z	FD glo	-6.000	
459	Pavim_centrale	41	Z	FD glo	-6.000	
460	Pavim_centrale	42	Z	FD glo	-6.000	
461	Pavim_centrale	43	Z	FD glo	-6.000	
462	Pavim_centrale	44	Z	FD glo	-6.000	
463	Pavim_centrale	45	Z	FD glo	-6.000	
464	Pavim_centrale	46	Z	FD glo	-6.000	
465	Pavim_centrale	47	Z	FD glo	-6.000	
466	Pavim_centrale	48	Z	FD glo	-6.000	
467	Pavim_centrale	49	Z	FD glo	-6.000	
468	Pavim_centrale	50	Z	FD glo	-6.000	
469	Pavim_centrale	51	Z	FD glo	-6.000	
470	Pavim_centrale	52	Z	FD glo	-6.000	
471	Pavim_centrale	53	Z	FD glo	-6.000	
472	Pavim_centrale	54	Z	FD glo	-6.000	
473	Pavim_centrale	55	Z	FD glo	-6.000	
474	Pavim_centrale	56	Z	FD glo	-6.000	
475	Pavim_centrale	57	Z	FD glo	-6.000	
476	Pavim_centrale	58	Z	FD glo	-6.000	
477	Pavim_centrale	59	Z	FD glo	-6.000	
478	Pavim_centrale	60	Z	FD glo	-6.000	
479	Pavim_centrale	61	Z	FD glo	-6.000	
480	Pavim_centrale	62	Z	FD glo	-6.000	
481	Pavim_centrale	64	Z	FD glo	-6.000	
482	Pavim_centrale	33	Z	FD glo	-6.000	
483	Pavim_centrale	63	Z	FD glo	-6.000	
484	Pavim_centrale	155	Z	FD glo	-6.000	
485	Pavim_centrale	34	Z	FD glo	-6.000	
486	Pavim_centrale	158	Z	FD glo	-6.000	
487	Pavim_centrale	3	Z	FD glo	-6.000	
488	Pavim_centrale	4	Z	FD glo	-6.000	
489	Pavim_centrale	5	Z	FD glo	-6.000	
490	Pavim_centrale	6	Z	FD glo	-6.000	
491	Pavim_centrale	7	Z	FD glo	-6.000	
492	Pavim_centrale	8	Z	FD glo	-6.000	
493	Pavim_centrale	9	Z	FD glo	-6.000	
494	Pavim_centrale	10	Z	FD glo	-6.000	
495	Pavim_centrale	11	Z	FD glo	-6.000	
496	Pavim_centrale	12	Z	FD glo	-6.000	
497	Pavim_centrale	13	Z	FD glo	-6.000	
498	Pavim_centrale	14	Z	FD glo	-6.000	
499	Pavim_centrale	15	Z	FD glo	-6.000	
500	Pavim_centrale	16	Z	FD glo	-6.000	
501	Pavim_centrale	17	Z	FD glo	-6.000	
502	Pavim_centrale	18	Z	FD glo	-6.000	
503	Pavim_centrale	19	Z	FD glo	-6.000	
504	Pavim_centrale	20	Z	FD glo	-6.000	
505	Pavim_centrale	21	Z	FD glo	-6.000	
506	Pavim_centrale	22	Z	FD glo	-6.000	
507	Pavim_centrale	23	Z	FD glo	-6.000	
508	Pavim_centrale	24	Z	FD glo	-6.000	
509	Pavim_centrale	25	Z	FD glo	-6.000	
510	Pavim_centrale	26	Z	FD glo	-6.000	
511	Pavim_centrale	27	Z	FD glo	-6.000	
512	Pavim_centrale	28	Z	FD glo	-6.000	
513	Pavim_centrale	29	Z	FD glo	-6.000	
514	Pavim_centrale	30	Z	FD glo	-6.000	
515	Pavim_centrale	32	Z	FD glo	-6.000	
516	Pavim_centrale	1	Z	FD glo	-6.000	
517	Pavim_centrale	31	Z	FD glo	-6.000	
518	Pavim_centrale	156	Z	FD glo	-6.000	
519	Pavim_centrale	2	Z	FD glo	-6.000	
520	Pavim_centrale	159	Z	FD glo	-6.000	
521	Pavim_bordo	67	Z	FD glo	-9.410	
522	Pavim_bordo	68	Z	FD glo	-9.410	
523	Pavim_bordo	69	Z	FD glo	-9.410	
524	Pavim_bordo	70	Z	FD glo	-9.410	
525	Pavim_bordo	71	Z	FD glo	-9.410	
526	Pavim_bordo	72	Z	FD glo	-9.410	
527	Pavim_bordo	73	Z	FD glo	-9.410	
528	Pavim_bordo	74	Z	FD glo	-9.410	
529	Pavim_bordo	75	Z	FD glo	-9.410	
530	Pavim_bordo	76	Z	FD glo	-9.410	
531	Pavim_bordo	77	Z	FD glo	-9.410	
532	Pavim_bordo	78	Z	FD glo	-9.410	
533	Pavim_bordo	79	Z	FD glo	-9.410	
534	Pavim_bordo	80	Z	FD glo	-9.410	
535	Pavim_bordo	81	Z	FD glo	-9.410	
536	Pavim_bordo	82	Z	FD glo	-9.410	
537	Pavim_bordo	83	Z	FD glo	-9.410	
538	Pavim_bordo	84	Z	FD glo	-9.410	
539	Pavim_bordo	85	Z	FD glo	-9.410	
540	Pavim_bordo	86	Z	FD glo	-9.410	
541	Pavim_bordo	87	Z	FD glo	-9.410	
542	Pavim_bordo	88	Z	FD glo	-9.410	
543	Pavim_bordo	89	Z	FD glo	-9.410	
544	Pavim_bordo	90	Z	FD glo	-9.410	
545	Pavim_bordo	91	Z	FD glo	-9.410	
546	Pavim_bordo	92	Z	FD glo	-9.410	
547	Pavim_bordo	93	Z	FD glo	-9.410	
548	Pavim_bordo	94	Z	FD glo	-9.410	
549	Pavim_bordo	96	Z	FD glo	-9.410	
550	Pavim_bordo	65	Z	FD glo	-9.410	
551	Pavim_bordo	95	Z	FD glo	-9.410	
552	Pavim_bordo	157	Z	FD glo	-9.410	
553	Pavim_bordo	66	Z	FD glo	-9.410	
554	Pavim_bordo	160	Z	FD glo	-9.410	
555	Pavim_bordo_+	68	Rx	CD loc	529.0	
529.0	0.000	0.000				
556	Pavim_bordo_+	69	Rx	CD loc	529.0	
529.0	0.000	0.000				
557	Pavim_bordo_+	72	Rx	CD loc	529.0	
529.0	0.000	0.000				
558	Pavim_bordo_+	73	Rx	CD loc	529.0	
529.0	0.000	0.000				
559	Pavim_bordo_+	74	Rx	CD loc	529.0	
529.0	0.000	0.000				
560	Pavim_bordo_+	77	Rx	CD loc	529.0	
529.0	0.000	0.000				
561	Pavim_bordo_+	78	Rx	CD loc	529.0	
529.0	0.000	0.000				
562	Pavim_bordo_+	79	Rx	CD loc	529.0	
529.0	0.000	0.000				
563	Pavim_bordo_+	82	Rx	CD loc	529.0	
529.0	0.000	0.000				
564	Pavim_bordo_+	83	Rx	CD loc	529.0	
529.0	0.000	0.000				
565	Pavim_bordo_+	84	Rx	CD loc	529.0	
529.0	0.000	0.000				
566	Pavim_bordo_+	85	Rx	CD loc	529.0	
529.0	0.000	0.000				
567	Pavim_bordo_+	86	Rx	CD loc	529.0	
529.0	0.000	0.000				
568	Pavim_bordo_+	87	Rx	CD loc	529.0	
529.0	0.000	0.000				
569	Pavim_bordo_+	88	Rx	CD loc	529.0	
529.0	0.000	0.000				
570	Pavim_bordo_+	89	Rx	CD loc	529.0	
529.0	0.000	0.000				
571	Pavim_bordo_+	90	Rx	CD loc	529.0	
529.0	0.000	0.000				
572	Pavim_bordo_+	91	Rx	CD loc	529.0	
529.0	0.000	0.000				
573	Pavim_bordo_+	92	Rx	CD loc	529.0	
529.0	0.000	0.000				
574	Pavim_bordo_+	93	Rx	CD loc	529.0	
529.0	0.000	0.000				
575	Pavim_bordo_+	94	Rx	CD loc	529.0	
529.0	0.000	0.000				
576	Pavim_bordo_+	96	Rx	CD loc	529.0	
529.0	0.000	0.000				
577	Pavim_bordo_+	65	Rx	CD loc	529.0	
529.0	0.000	0.000				
578	Pavim_bordo_+	95	Rx	CD loc	529.0	
529.0	0.000	0.000				
579	Pavim_bordo_+	157	Rx	CD loc	529.0	
529.0	0.000	0.000				
580	Pavim_bordo_+	66	Rx	CD loc	529.0	
529.0	0.000	0.000				
581	Pavim_centrale	173	Z	FD glo	-6.000	
582	Pavim_centrale	174	Z	FD glo	-6.000	
583	Pavim_centrale	175	Z	FD glo	-6.000	
584	Pavim_bordo	176	Z	FD glo	-9.410	
585	Pavim_bordo_+	67	Rx	CD loc	529.0	
529.0	0.000	0.000				
586	Pavim_bordo_+	176	Rx	CD loc	529.0	
529.0	0.000	0.000				
587	Pavim_bordo	177	Z	FD glo	-9.410	
588	Pavim_bordo_+	160	Rx	CD loc	529.0	
529.0	0.000	0.000				
589	Pavim_bordo_+	177	Rx	CD loc	529.0	
529.0	0.000	0.000				
590	Pavim_centrale	178	Z	FD glo	-6.000	
591	Pavim_centrale	179	Z	FD glo	-6.000	
592	Pavim_centrale	180	Z	FD glo	-6.000	
593	Pavim_centrale	181	Z	FD glo	-6.000	
594	Pavim_centrale	182	Z	FD glo	-6.000	
595	Pavim_bordo	183	Z	FD glo	-9.410	
596	Pavim_bordo_+	70	Rx	CD loc	529.0	
529.0	0.000	0.000				
597	Pavim_bordo_+	183	Rx	CD loc	529.0	
529.0	0.000	0.000				
598	Pavim_bordo	184	Z	FD glo	-9.410	
599	Pavim_bordo_+	71	Rx	CD loc	529.0	
529.0	0.000	0.000				
600	Pavim_bordo_+	184	Rx	CD loc	529.0	
529.0	0.000	0.000				
601	Pavim_bordo	185	Z	FD glo	-9.410	
602	Pavim_bordo_+	75	Rx	CD loc	529.0	
529.0	0.000	0.000				
603	Pavim_bordo_+	185	Rx	CD loc	529.0	
529.0	0.000	0.000				
604	Pavim_bordo	186	Z	FD glo	-9.410	

Allegato A: strutture analizzate

605	Pavim_bordo_+	76	Rx	CD	loc	529.0	529.0	0.000	0.000	676	Sicurvia_-	64	Rx	CD	loc	-198.3	198.3	0.000	0.000
606	Pavim_bordo_+	186	Rx	CD	loc	529.0	529.0	0.000	0.000	677	Sicurvia_-	33	Rx	CD	loc	-198.3	198.3	0.000	0.000
607	Pavim_centrale	187	Z	FD	glo	-6.000				678	Sicurvia_-	63	Rx	CD	loc	-198.3	198.3	0.000	0.000
608	Pavim_centrale	188	Z	FD	glo	-6.000				679	Sicurvia_-	155	Rx	CD	loc	-198.3	198.3	0.000	0.000
609	Pavim_centrale	189	Z	FD	glo	-6.000				680	Sicurvia_-	34	Rx	CD	loc	-198.3	198.3	0.000	0.000
610	Pavim_centrale	190	Z	FD	glo	-6.000				681	Sicurvia	173	Z	FD	glo	-1.500			
611	Pavim_centrale	191	Z	FD	glo	-6.000				682	Sicurvia_-	158	Rx	CD	loc	-198.3	198.3	0.000	0.000
612	Pavim_centrale	192	Z	FD	glo	-6.000				683	Sicurvia_-	173	Rx	CD	loc	-198.3	198.3	0.000	0.000
613	Pavim_centrale	193	Z	FD	glo	-6.000				684	Sicurvia	174	Z	FD	glo	-1.500			
614	Pavim_bordo	194	Z	FD	glo	-9.410				685	Sicurvia_-	35	Rx	CD	loc	-198.3	198.3	0.000	0.000
615	Pavim_bordo_+	81	Rx	CD	loc	529.0	529.0	0.000	0.000	686	Sicurvia_-	174	Rx	CD	loc	-198.3	198.3	0.000	0.000
616	Pavim_bordo_+	194	Rx	CD	loc	529.0	529.0	0.000	0.000	687	Sicurvia	179	Z	FD	glo	-1.500			
617	Pavim_bordo	195	Z	FD	glo	-9.410				688	Sicurvia_-	38	Rx	CD	loc	-198.3	198.3	0.000	0.000
618	Pavim_bordo_+	80	Rx	CD	loc	529.0	529.0	0.000	0.000	689	Sicurvia_-	179	Rx	CD	loc	-198.3	198.3	0.000	0.000
619	Pavim_bordo_+	195	Rx	CD	loc	529.0	529.0	0.000	0.000	690	Sicurvia	180	Z	FD	glo	-1.500			
620	Pavim_centrale	196	Z	FD	glo	-6.000				691	Sicurvia_-	39	Rx	CD	loc	-198.3	198.3	0.000	0.000
621	Sicurvia	35	Z	FD	glo	-1.500				692	Sicurvia_-	180	Rx	CD	loc	-198.3	198.3	0.000	0.000
622	Sicurvia	36	Z	FD	glo	-1.500				693	Sicurvia	189	Z	FD	glo	-1.500			
623	Sicurvia	37	Z	FD	glo	-1.500				694	Sicurvia_-	43	Rx	CD	loc	-198.3	198.3	0.000	0.000
624	Sicurvia	38	Z	FD	glo	-1.500				695	Sicurvia_-	189	Rx	CD	loc	-198.3	198.3	0.000	0.000
625	Sicurvia	39	Z	FD	glo	-1.500				696	Sicurvia	190	Z	FD	glo	-1.500			
626	Sicurvia	40	Z	FD	glo	-1.500				697	Sicurvia_-	44	Rx	CD	loc	-198.3	198.3	0.000	0.000
627	Sicurvia	41	Z	FD	glo	-1.500				698	Sicurvia_-	190	Rx	CD	loc	-198.3	198.3	0.000	0.000
628	Sicurvia	42	Z	FD	glo	-1.500				699	Sicurvia	191	Z	FD	glo	-1.500			
629	Sicurvia	43	Z	FD	glo	-1.500				700	Sicurvia_-	48	Rx	CD	loc	-198.3	198.3	0.000	0.000
630	Sicurvia	44	Z	FD	glo	-1.500				701	Sicurvia_-	191	Rx	CD	loc	-198.3	198.3	0.000	0.000
631	Sicurvia	45	Z	FD	glo	-1.500				702	Sicurvia	192	Z	FD	glo	-1.500			
632	Sicurvia	46	Z	FD	glo	-1.500				703	Sicurvia_-	49	Rx	CD	loc	-198.3	198.3	0.000	0.000
633	Sicurvia	47	Z	FD	glo	-1.500				704	Sicurvia_-	192	Rx	CD	loc	-198.3	198.3	0.000	0.000
634	Sicurvia	48	Z	FD	glo	-1.500				705	Rete_e_veletta	35	Z	FD	glo	-1.500			
635	Sicurvia	49	Z	FD	glo	-1.500				706	Rete_e_veletta	36	Z	FD	glo	-1.500			
636	Sicurvia	50	Z	FD	glo	-1.500				707	Rete_e_veletta	37	Z	FD	glo	-1.500			
637	Sicurvia	51	Z	FD	glo	-1.500				708	Rete_e_veletta	38	Z	FD	glo	-1.500			
638	Sicurvia	52	Z	FD	glo	-1.500				709	Rete_e_veletta	39	Z	FD	glo	-1.500			
639	Sicurvia	53	Z	FD	glo	-1.500				710	Rete_e_veletta	40	Z	FD	glo	-1.500			
640	Sicurvia	54	Z	FD	glo	-1.500				711	Rete_e_veletta	41	Z	FD	glo	-1.500			
641	Sicurvia	55	Z	FD	glo	-1.500				712	Rete_e_veletta	42	Z	FD	glo	-1.500			
642	Sicurvia	56	Z	FD	glo	-1.500				713	Rete_e_veletta	43	Z	FD	glo	-1.500			
643	Sicurvia	57	Z	FD	glo	-1.500				714	Rete_e_veletta	44	Z	FD	glo	-1.500			
644	Sicurvia	58	Z	FD	glo	-1.500				715	Rete_e_veletta	45	Z	FD	glo	-1.500			
645	Sicurvia	59	Z	FD	glo	-1.500				716	Rete_e_veletta	46	Z	FD	glo	-1.500			
646	Sicurvia	60	Z	FD	glo	-1.500				717	Rete_e_veletta	47	Z	FD	glo	-1.500			
647	Sicurvia	61	Z	FD	glo	-1.500				718	Rete_e_veletta	48	Z	FD	glo	-1.500			
648	Sicurvia	62	Z	FD	glo	-1.500				719	Rete_e_veletta	49	Z	FD	glo	-1.500			
649	Sicurvia	64	Z	FD	glo	-1.500				720	Rete_e_veletta	50	Z	FD	glo	-1.500			
650	Sicurvia	33	Z	FD	glo	-1.500				721	Rete_e_veletta	51	Z	FD	glo	-1.500			
651	Sicurvia	63	Z	FD	glo	-1.500				722	Rete_e_veletta	52	Z	FD	glo	-1.500			
652	Sicurvia	155	Z	FD	glo	-1.500				723	Rete_e_veletta	53	Z	FD	glo	-1.500			
653	Sicurvia	34	Z	FD	glo	-1.500				724	Rete_e_veletta	54	Z	FD	glo	-1.500			
654	Sicurvia	158	Z	FD	glo	-1.500				725	Rete_e_veletta	55	Z	FD	glo	-1.500			
655	Sicurvia_-	36	Rx	CD	loc	-198.3	198.3	0.000	0.000	726	Rete_e_veletta	56	Z	FD	glo	-1.500			
656	Sicurvia_-	37	Rx	CD	loc	-198.3	198.3	0.000	0.000	727	Rete_e_veletta	57	Z	FD	glo	-1.500			
657	Sicurvia_-	40	Rx	CD	loc	-198.3	198.3	0.000	0.000	728	Rete_e_veletta	58	Z	FD	glo	-1.500			
658	Sicurvia_-	41	Rx	CD	loc	-198.3	198.3	0.000	0.000	729	Rete_e_veletta	59	Z	FD	glo	-1.500			
659	Sicurvia_-	42	Rx	CD	loc	-198.3	198.3	0.000	0.000	730	Rete_e_veletta	60	Z	FD	glo	-1.500			
660	Sicurvia_-	45	Rx	CD	loc	-198.3	198.3	0.000	0.000	731	Rete_e_veletta	61	Z	FD	glo	-1.500			
661	Sicurvia_-	46	Rx	CD	loc	-198.3	198.3	0.000	0.000	732	Rete_e_veletta	62	Z	FD	glo	-1.500			
662	Sicurvia_-	47	Rx	CD	loc	-198.3	198.3	0.000	0.000	733	Rete_e_veletta	64	Z	FD	glo	-1.500			
663	Sicurvia_-	50	Rx	CD	loc	-198.3	198.3	0.000	0.000	734	Rete_e_veletta	33	Z	FD	glo	-1.500			
664	Sicurvia_-	51	Rx	CD	loc	-198.3	198.3	0.000	0.000	735	Rete_e_veletta	63	Z	FD	glo	-1.500			
665	Sicurvia_-	52	Rx	CD	loc	-198.3	198.3	0.000	0.000	736	Rete_e_veletta	155	Z	FD	glo	-1.500			
666	Sicurvia_-	53	Rx	CD	loc	-198.3	198.3	0.000	0.000	737	Rete_e_veletta	34	Z	FD	glo	-1.500			
667	Sicurvia_-	54	Rx	CD	loc	-198.3	198.3	0.000	0.000	738	Rete_e_veletta	158	Z	FD	glo	-1.500			
668	Sicurvia_-	55	Rx	CD	loc	-198.3	198.3	0.000	0.000	739	Rete_e_veletta_-	36	Rx	CD	loc	-325.5	325.5	0.000	0.000
669	Sicurvia_-	56	Rx	CD	loc	-198.3	198.3	0.000	0.000	740	Rete_e_veletta_-	37	Rx	CD	loc	-325.5	325.5	0.000	0.000
670	Sicurvia_-	57	Rx	CD	loc	-198.3	198.3	0.000	0.000	741	Rete_e_veletta_-	40	Rx	CD	loc	-325.5	325.5	0.000	0.000
671	Sicurvia_-	58	Rx	CD	loc	-198.3	198.3	0.000	0.000	742	Rete_e_veletta_-	41	Rx	CD	loc	-325.5	325.5	0.000	0.000
672	Sicurvia_-	59	Rx	CD	loc	-198.3	198.3	0.000	0.000	743	Rete_e_veletta_-	42	Rx	CD	loc	-325.5	325.5	0.000	0.000
673	Sicurvia_-	60	Rx	CD	loc	-198.3	198.3	0.000	0.000	744	Rete_e_veletta_-	45	Rx	CD	loc	-325.5	325.5	0.000	0.000
674	Sicurvia_-	61	Rx	CD	loc	-198.3	198.3	0.000	0.000	745	Rete_e_veletta_-	46	Rx	CD	loc	-325.5	325.5	0.000	0.000
675	Sicurvia_-	62	Rx	CD	loc	-198.3	198.3	0.000	0.000										

Allegato A

Allegato A: strutture analizzate

```
   746 Rete_e_veletta_-         47  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   747 Rete_e_veletta_-         50  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   748 Rete_e_veletta_-         51  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   749 Rete_e_veletta_-         52  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   750 Rete_e_veletta_-         53  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   751 Rete_e_veletta_-         54  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   752 Rete_e_veletta_-         55  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   753 Rete_e_veletta_-         56  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   754 Rete_e_veletta_-         57  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   755 Rete_e_veletta_-         58  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   756 Rete_e_veletta_-         59  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   757 Rete_e_veletta_-         60  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   758 Rete_e_veletta_-         61  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   759 Rete_e_veletta_-         62  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   760 Rete_e_veletta_-         64  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   761 Rete_e_veletta_-         33  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   762 Rete_e_veletta_-         63  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   763 Rete_e_veletta_-        155  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   764 Rete_e_veletta_-         34  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   765 Rete_e_veletta          173  Z   FD glo     -1.500
   766 Rete_e_veletta_-        158  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   767 Rete_e_veletta_-        173  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   768 Rete_e_veletta          174  Z   FD glo     -1.500
   769 Rete_e_veletta_-         35  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   770 Rete_e_veletta_-        174  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   771 Rete_e_veletta          179  Z   FD glo     -1.500
   772 Rete_e_veletta_-         38  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   773 Rete_e_veletta_-        179  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   774 Rete_e_veletta          180  Z   FD glo     -1.500
   775 Rete_e_veletta_-         39  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   776 Rete_e_veletta_-        180  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   777 Rete_e_veletta          189  Z   FD glo     -1.500
   778 Rete_e_veletta_-         43  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   779 Rete_e_veletta_-        189  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   780 Rete_e_veletta          190  Z   FD glo     -1.500
   781 Rete_e_veletta_-         44  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   782 Rete_e_veletta_-        190  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   783 Rete_e_veletta          191  Z   FD glo     -1.500
   784 Rete_e_veletta_-         48  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   785 Rete_e_veletta_-        191  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   786 Rete_e_veletta          192  Z   FD glo     -1.500
   787 Rete_e_veletta_-         49  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   788 Rete_e_veletta_-        192  Rx  CD loc     -325.5     -
325.5     0.000      0.000
   789 Distr_C1_TR1             67  Z   FD glo     -7.501
   790 Distr_C1_TR1             68  Z   FD glo     -7.501
   791 Distr_C1_TR1             69  Z   FD glo     -7.501
   792 Distr_C1_TR1             70  Z   FD glo     -7.501
   793 Distr_C1_TR1             71  Z   FD glo     -7.501
   794 Distr_C1_TR1             72  Z   FD glo     -7.501
   795 Distr_C1_TR1             73  Z   FD glo     -7.501
   796 Distr_C1_TR1             74  Z   FD glo     -7.501
   797 Distr_C1_TR1             75  Z   FD glo     -7.501
   798 Distr_C1_TR1             76  Z   FD glo     -7.501
   799 Distr_C1_TR1             77  Z   FD glo     -7.501
   800 Distr_C1_TR1             78  Z   FD glo     -7.501
   801 Distr_C1_TR1             79  Z   FD glo     -7.501
   802 Distr_C1_TR1             80  Z   FD glo     -7.501
   803 Distr_C1_TR1             81  Z   FD glo     -7.501
   804 Distr_C1_TR1             82  Z   FD glo     -7.501
   805 Distr_C1_TR1             83  Z   FD glo     -7.501
   806 Distr_C1_TR1             84  Z   FD glo     -7.501
   807 Distr_C1_TR1             85  Z   FD glo     -7.501
   808 Distr_C1_TR1             86  Z   FD glo     -7.501
   809 Distr_C1_TR1             87  Z   FD glo     -7.501
   810 Distr_C1_TR1             88  Z   FD glo     -7.501
   811 Distr_C1_TR1             89  Z   FD glo     -7.501
   812 Distr_C1_TR1             90  Z   FD glo     -7.501
   813 Distr_C1_TR1             91  Z   FD glo     -7.501
   814 Distr_C1_TR1             92  Z   FD glo     -7.501
   815 Distr_C1_TR1             93  Z   FD glo     -7.501
   816 Distr_C1_TR1             94  Z   FD glo     -7.501
   817 Distr_C1_TR1             96  Z   FD glo     -7.501
   818 Distr_C1_TR1             65  Z   FD glo     -7.501
   819 Distr_C1_TR1             95  Z   FD glo     -7.501
   820 Distr_C1_TR1            157  Z   FD glo     -7.501
   821 Distr_C1_TR1             66  Z   FD glo     -7.501
   822 Distr_C1_TR1            160  Z   FD glo     -7.501
   823 Distr_C1_+_TR1           68  Rx  CD loc      457.5
457.5     0.000      0.000
   824 Distr_C1_+_TR1           69  Rx  CD loc      457.5
457.5     0.000      0.000
   825 Distr_C1_+_TR1           72  Rx  CD loc      457.5
457.5     0.000      0.000
   826 Distr_C1_+_TR1           73  Rx  CD loc      457.5
457.5     0.000      0.000
   827 Distr_C1_+_TR1           74  Rx  CD loc      457.5
457.5     0.000      0.000
   828 Distr_C1_+_TR1           77  Rx  CD loc      457.5
457.5     0.000      0.000
   829 Distr_C1_+_TR1           78  Rx  CD loc      457.5
457.5     0.000      0.000
   830 Distr_C1_+_TR1           79  Rx  CD loc      457.5
457.5     0.000      0.000
   831 Distr_C1_+_TR1           82  Rx  CD loc      457.5
457.5     0.000      0.000
   832 Distr_C1_+_TR1           83  Rx  CD loc      457.5
457.5     0.000      0.000
   833 Distr_C1_+_TR1           84  Rx  CD loc      457.5
457.5     0.000      0.000
   834 Distr_C1_+_TR1           85  Rx  CD loc      457.5
457.5     0.000      0.000
   835 Distr_C1_+_TR1           86  Rx  CD loc      457.5
457.5     0.000      0.000
   836 Distr_C1_+_TR1           87  Rx  CD loc      457.5
457.5     0.000      0.000
   837 Distr_C1_+_TR1           88  Rx  CD loc      457.5
457.5     0.000      0.000
   838 Distr_C1_+_TR1           89  Rx  CD loc      457.5
457.5     0.000      0.000
   839 Distr_C1_+_TR1           90  Rx  CD loc      457.5
457.5     0.000      0.000
   840 Distr_C1_+_TR1           91  Rx  CD loc      457.5
457.5     0.000      0.000
   841 Distr_C1_+_TR1           92  Rx  CD loc      457.5
457.5     0.000      0.000
   842 Distr_C1_+_TR1           93  Rx  CD loc      457.5
457.5     0.000      0.000
   843 Distr_C1_+_TR1           94  Rx  CD loc      457.5
457.5     0.000      0.000
   844 Distr_C1_+_TR1           96  Rx  CD loc      457.5
457.5     0.000      0.000
   845 Distr_C1_+_TR1           65  Rx  CD loc      457.5
457.5     0.000      0.000
   846 Distr_C1_+_TR1           95  Rx  CD loc      457.5
457.5     0.000      0.000
   847 Distr_C1_+_TR1          157  Rx  CD loc      457.5
457.5     0.000      0.000
   848 Distr_C1_+_TR1           66  Rx  CD loc      457.5
457.5     0.000      0.000
   849 Distr_C1_TR1            176  Z   FD glo     -7.501
   850 Distr_C1_+_TR1           67  Rx  CD loc      457.5
457.5     0.000      0.000
   851 Distr_C1_+_TR1          176  Rx  CD loc      457.5
457.5     0.000      0.000
   852 Distr_C1_TR1            177  Z   FD glo     -7.501
   853 Distr_C1_+_TR1          160  Rx  CD loc      457.5
457.5     0.000      0.000
   854 Distr_C1_+_TR1          177  Rx  CD loc      457.5
457.5     0.000      0.000
   855 Distr_C1_TR1            183  Z   FD glo     -7.501
   856 Distr_C1_+_TR1           70  Rx  CD loc      457.5
457.5     0.000      0.000
   857 Distr_C1_+_TR1          183  Rx  CD loc      457.5
457.5     0.000      0.000
   858 Distr_C1_TR1            184  Z   FD glo     -7.501
   859 Distr_C1_+_TR1           71  Rx  CD loc      457.5
457.5     0.000      0.000
   860 Distr_C1_+_TR1          184  Rx  CD loc      457.5
457.5     0.000      0.000
   861 Distr_C1_TR1            185  Z   FD glo     -7.501
   862 Distr_C1_+_TR1           75  Rx  CD loc      457.5
457.5     0.000      0.000
   863 Distr_C1_+_TR1          185  Rx  CD loc      457.5
457.5     0.000      0.000
   864 Distr_C1_TR1            186  Z   FD glo     -7.501
   865 Distr_C1_+_TR1           76  Rx  CD loc      457.5
457.5     0.000      0.000
   866 Distr_C1_+_TR1          186  Rx  CD loc      457.5
457.5     0.000      0.000
   867 Distr_C1_TR1            194  Z   FD glo     -7.501
   868 Distr_C1_+_TR1           81  Rx  CD loc      457.5
457.5     0.000      0.000
```

Allegato A

Allegato A: strutture analizzate

869	Distr_C1_+_TR1	194	Rx	CD	loc	457.5	457.5	0.000	0.000	939	Distr_C2_TR2	9	Z	FD	glo	-5.000	
870	Distr_C1_TR1	195	Z	FD	glo	-7.501				940	Distr_C2_TR2	10	Z	FD	glo	-5.000	
871	Distr_C1_+_TR1	80	Rx	CD	loc	457.5	457.5	0.000	0.000	941	Distr_C2_TR2	11	Z	FD	glo	-5.000	
872	Distr_C1_+_TR1	195	Rx	CD	loc	457.5	457.5	0.000	0.000	942	Distr_C2_TR2	12	Z	FD	glo	-5.000	
873	Distr_C2_TR1	67	Z	FD	glo	-0.340				943	Distr_C2_TR2	13	Z	FD	glo	-5.000	
874	Distr_C2_TR1	68	Z	FD	glo	-0.340				944	Distr_C2_TR2	14	Z	FD	glo	-5.000	
875	Distr_C2_TR1	69	Z	FD	glo	-0.340				945	Distr_C2_TR2	15	Z	FD	glo	-5.000	
876	Distr_C2_TR1	70	Z	FD	glo	-0.340				946	Distr_C2_TR2	16	Z	FD	glo	-5.000	
877	Distr_C2_TR1	71	Z	FD	glo	-0.340				947	Distr_C2_TR2	17	Z	FD	glo	-5.000	
878	Distr_C2_TR1	72	Z	FD	glo	-0.340				948	Distr_C2_TR2	18	Z	FD	glo	-5.000	
879	Distr_C2_TR1	73	Z	FD	glo	-0.340				949	Distr_C2_TR2	19	Z	FD	glo	-5.000	
880	Distr_C2_TR1	74	Z	FD	glo	-0.340				950	Distr_C2_TR2	20	Z	FD	glo	-5.000	
881	Distr_C2_TR1	75	Z	FD	glo	-0.340				951	Distr_C2_TR2	21	Z	FD	glo	-5.000	
882	Distr_C2_TR1	76	Z	FD	glo	-0.340				952	Distr_C2_TR2	22	Z	FD	glo	-5.000	
883	Distr_C2_TR1	77	Z	FD	glo	-0.340				953	Distr_C2_TR2	23	Z	FD	glo	-5.000	
884	Distr_C2_TR1	78	Z	FD	glo	-0.340				954	Distr_C2_TR2	24	Z	FD	glo	-5.000	
885	Distr_C2_TR1	79	Z	FD	glo	-0.340				955	Distr_C2_TR2	25	Z	FD	glo	-5.000	
886	Distr_C2_TR1	80	Z	FD	glo	-0.340				956	Distr_C2_TR2	26	Z	FD	glo	-5.000	
887	Distr_C2_TR1	81	Z	FD	glo	-0.340				957	Distr_C2_TR2	27	Z	FD	glo	-5.000	
888	Distr_C2_TR1	82	Z	FD	glo	-0.340				958	Distr_C2_TR2	28	Z	FD	glo	-5.000	
889	Distr_C2_TR1	83	Z	FD	glo	-0.340				959	Distr_C2_TR2	29	Z	FD	glo	-5.000	
890	Distr_C2_TR1	84	Z	FD	glo	-0.340				960	Distr_C2_TR2	30	Z	FD	glo	-5.000	
891	Distr_C2_TR1	85	Z	FD	glo	-0.340				961	Distr_C2_TR2	32	Z	FD	glo	-5.000	
892	Distr_C2_TR1	86	Z	FD	glo	-0.340				962	Distr_C2_TR2	1	Z	FD	glo	-5.000	
893	Distr_C2_TR1	87	Z	FD	glo	-0.340				963	Distr_C2_TR2	31	Z	FD	glo	-5.000	
894	Distr_C2_TR1	88	Z	FD	glo	-0.340				964	Distr_C2_TR2	156	Z	FD	glo	-5.000	
895	Distr_C2_TR1	89	Z	FD	glo	-0.340				965	Distr_C2_TR2	2	Z	FD	glo	-5.000	
896	Distr_C2_TR1	90	Z	FD	glo	-0.340				966	Distr_C2_TR2	159	Z	FD	glo	-5.000	
897	Distr_C2_TR1	91	Z	FD	glo	-0.340				967	Distr_C2_TR3	35	Z	FD	glo	-2.175	
898	Distr_C2_TR1	92	Z	FD	glo	-0.340				968	Distr_C2_TR3	36	Z	FD	glo	-2.175	
899	Distr_C2_TR1	93	Z	FD	glo	-0.340				969	Distr_C2_TR3	37	Z	FD	glo	-2.175	
900	Distr_C2_TR1	94	Z	FD	glo	-0.340				970	Distr_C2_TR3	38	Z	FD	glo	-2.175	
901	Distr_C2_TR1	96	Z	FD	glo	-0.340				971	Distr_C2_TR3	39	Z	FD	glo	-2.175	
902	Distr_C2_TR1	65	Z	FD	glo	-0.340				972	Distr_C2_TR3	40	Z	FD	glo	-2.175	
903	Distr_C2_TR1	95	Z	FD	glo	-0.340				973	Distr_C2_TR3	41	Z	FD	glo	-2.175	
904	Distr_C2_TR1	157	Z	FD	glo	-0.340				974	Distr_C2_TR3	42	Z	FD	glo	-2.175	
905	Distr_C2_TR1	66	Z	FD	glo	-0.340				975	Distr_C2_TR3	43	Z	FD	glo	-2.175	
906	Distr_C2_TR1	160	Z	FD	glo	-0.340				976	Distr_C2_TR3	44	Z	FD	glo	-2.175	
907	Distr_C2_-_TR1	68	Rx	CD	loc	-32.0	32.0	0.000	0.000	977	Distr_C2_TR3	45	Z	FD	glo	-2.175	
908	Distr_C2_-_TR1	69	Rx	CD	loc	-32.0	32.0	0.000	0.000	978	Distr_C2_TR3	46	Z	FD	glo	-2.175	
909	Distr_C2_-_TR1	72	Rx	CD	loc	-32.0	32.0	0.000	0.000	979	Distr_C2_TR3	47	Z	FD	glo	-2.175	
910	Distr_C2_-_TR1	73	Rx	CD	loc	-32.0	32.0	0.000	0.000	980	Distr_C2_TR3	48	Z	FD	glo	-2.175	
911	Distr_C2_-_TR1	74	Rx	CD	loc	-32.0	32.0	0.000	0.000	981	Distr_C2_TR3	49	Z	FD	glo	-2.175	
912	Distr_C2_-_TR1	77	Rx	CD	loc	-32.0	32.0	0.000	0.000	982	Distr_C2_TR3	50	Z	FD	glo	-2.175	
913	Distr_C2_-_TR1	78	Rx	CD	loc	-32.0	32.0	0.000	0.000	983	Distr_C2_TR3	51	Z	FD	glo	-2.175	
914	Distr_C2_-_TR1	79	Rx	CD	loc	-32.0	32.0	0.000	0.000	984	Distr_C2_TR3	52	Z	FD	glo	-2.175	
915	Distr_C2_-_TR1	82	Rx	CD	loc	-32.0	32.0	0.000	0.000	985	Distr_C2_TR3	53	Z	FD	glo	-2.175	
916	Distr_C2_-_TR1	83	Rx	CD	loc	-32.0	32.0	0.000	0.000	986	Distr_C2_TR3	54	Z	FD	glo	-2.175	
917	Distr_C2_-_TR1	84	Rx	CD	loc	-32.0	32.0	0.000	0.000	987	Distr_C2_TR3	55	Z	FD	glo	-2.175	
918	Distr_C2_-_TR1	85	Rx	CD	loc	-32.0	32.0	0.000	0.000	988	Distr_C2_TR3	56	Z	FD	glo	-2.175	
919	Distr_C2_-_TR1	86	Rx	CD	loc	-32.0	32.0	0.000	0.000	989	Distr_C2_TR3	57	Z	FD	glo	-2.175	
920	Distr_C2_-_TR1	87	Rx	CD	loc	-32.0	32.0	0.000	0.000	990	Distr_C2_TR3	58	Z	FD	glo	-2.175	
921	Distr_C2_-_TR1	88	Rx	CD	loc	-32.0	32.0	0.000	0.000	991	Distr_C2_TR3	59	Z	FD	glo	-2.175	
922	Distr_C2_-_TR1	89	Rx	CD	loc	-32.0	32.0	0.000	0.000	992	Distr_C2_TR3	60	Z	FD	glo	-2.175	
923	Distr_C2_-_TR1	90	Rx	CD	loc	-32.0	32.0	0.000	0.000	993	Distr_C2_TR3	61	Z	FD	glo	-2.175	
924	Distr_C2_-_TR1	91	Rx	CD	loc	-32.0	32.0	0.000	0.000	994	Distr_C2_TR3	62	Z	FD	glo	-2.175	
925	Distr_C2_-_TR1	92	Rx	CD	loc	-32.0	32.0	0.000	0.000	995	Distr_C2_TR3	64	Z	FD	glo	-2.175	
926	Distr_C2_-_TR1	93	Rx	CD	loc	-32.0	32.0	0.000	0.000	996	Distr_C2_TR3	33	Z	FD	glo	-2.175	
927	Distr_C2_-_TR1	94	Rx	CD	loc	-32.0	32.0	0.000	0.000	997	Distr_C2_TR3	63	Z	FD	glo	-2.175	
928	Distr_C2_-_TR1	96	Rx	CD	loc	-32.0	32.0	0.000	0.000	998	Distr_C2_TR3	155	Z	FD	glo	-2.175	
929	Distr_C2_-_TR1	65	Rx	CD	loc	-32.0	32.0	0.000	0.000	999	Distr_C2_TR3	34	Z	FD	glo	-2.175	
930	Distr_C2_-_TR1	95	Rx	CD	loc	-32.0	32.0	0.000	0.000	1000	Distr_C2_TR3	158	Z	FD	glo	-2.175	
931	Distr_C2_-_TR1	157	Rx	CD	loc	-32.0	32.0	0.000	0.000	1001	Distr_C2_+_TR3	36	Rx	CD	loc	124.0	124.0	0.000	0.000
932	Distr_C2_-_TR1	66	Rx	CD	loc	-32.0	32.0	0.000	0.000	1002	Distr_C2_+_TR3	37	Rx	CD	loc	124.0	124.0	0.000	0.000
933	Distr_C2_TR2	3	Z	FD	glo	-5.000				1003	Distr_C2_+_TR3	40	Rx	CD	loc	124.0	124.0	0.000	0.000
934	Distr_C2_TR2	4	Z	FD	glo	-5.000				1004	Distr_C2_+_TR3	41	Rx	CD	loc	124.0	124.0	0.000	0.000
935	Distr_C2_TR2	5	Z	FD	glo	-5.000				1005	Distr_C2_+_TR3	42	Rx	CD	loc	124.0	124.0	0.000	0.000
936	Distr_C2_TR2	6	Z	FD	glo	-5.000				1006	Distr_C2_+_TR3	45	Rx	CD	loc	124.0	124.0	0.000	0.000
937	Distr_C2_TR2	7	Z	FD	glo	-5.000				1007	Distr_C2_+_TR3	46	Rx	CD	loc	124.0	124.0	0.000	0.000
938	Distr_C2_TR2	8	Z	FD	glo	-5.000				1008	Distr_C2_+_TR3	47	Rx	CD	loc	124.0	124.0	0.000	0.000
										1009	Distr_C2_+_TR3	50	Rx	CD	loc	124.0	124.0	0.000	0.000
										1010	Distr_C2_+_TR3	51	Rx	CD	loc	124.0	124.0	0.000	0.000
										1011	Distr_C2_+_TR3	52	Rx	CD	loc	124.0	124.0	0.000	0.000
										1012	Distr_C2_+_TR3	53	Rx	CD	loc	124.0	124.0	0.000	0.000
										1013	Distr_C2_+_TR3	54	Rx	CD	loc	124.0	124.0	0.000	0.000
										1014	Distr_C2_+_TR3	55	Rx	CD	loc	124.0	124.0	0.000	0.000
										1015	Distr_C2_+_TR3	56	Rx	CD	loc	124.0	124.0	0.000	0.000
										1016	Distr_C2_+_TR3	57	Rx	CD	loc	124.0	124.0	0.000	0.000
										1017	Distr_C2_+_TR3	58	Rx	CD	loc	124.0	124.0	0.000	0.000
										1018	Distr_C2_+_TR3	59	Rx	CD	loc	124.0	124.0	0.000	0.000

Allegato A

Allegato A: strutture analizzate

1019	Distr_C2_+_TR3	60	Rx	CD loc	124.0	124.0	0.000	0.000	1080	Distr_C2_-_TR1	80	Rx	CD loc	-32.0	32.0	0.000	0.000
1020	Distr_C2_+_TR3	61	Rx	CD loc	124.0	124.0	0.000	0.000	1081	Distr_C2_-_TR1	195	Rx	CD loc	-32.0	32.0	0.000	0.000
1021	Distr_C2_+_TR3	62	Rx	CD loc	124.0	124.0	0.000	0.000	1082	Distr_C2_TR2	196	Z	FD glo	-5.000			
1022	Distr_C2_+_TR3	64	Rx	CD loc	124.0	124.0	0.000	0.000	1083	A_R__TR3	35	Z	FD glo	-5.630			
1023	Distr_C2_+_TR3	33	Rx	CD loc	124.0	124.0	0.000	0.000	1084	A_R__TR3	36	Z	FD glo	-5.630			
1024	Distr_C2_+_TR3	63	Rx	CD loc	124.0	124.0	0.000	0.000	1085	A_R__TR3	37	Z	FD glo	-5.630			
1025	Distr_C2_+_TR3	155	Rx	CD loc	124.0	124.0	0.000	0.000	1086	A_R__TR3	38	Z	FD glo	-5.630			
1026	Distr_C2_+_TR3	34	Rx	CD loc	124.0	124.0	0.000	0.000	1087	A_R__TR3	39	Z	FD glo	-5.630			
1027	Distr_C2_TR3	173	Z	FD glo	-2.175				1088	A_R__TR3	40	Z	FD glo	-5.630			
1028	Distr_C2_+_TR3	158	Rx	CD loc	124.0	124.0	0.000	0.000	1089	A_R__TR3	41	Z	FD glo	-5.630			
1029	Distr_C2_+_TR3	173	Rx	CD loc	124.0	124.0	0.000	0.000	1090	A_R__TR3	42	Z	FD glo	-5.630			
1030	Distr_C2_TR3	174	Z	FD glo	-2.175				1091	A_R__TR3	43	Z	FD glo	-5.630			
1031	Distr_C2_+_TR3	35	Rx	CD loc	124.0	124.0	0.000	0.000	1092	A_R__TR3	44	Z	FD glo	-5.630			
1032	Distr_C2_+_TR3	174	Rx	CD loc	124.0	124.0	0.000	0.000	1093	A_R__TR3	45	Z	FD glo	-5.630			
1033	Distr_C2_TR2	175	Z	FD glo	-5.000				1094	A_R__TR3	46	Z	FD glo	-5.630			
1034	Distr_C2_TR1	176	Z	FD glo	-0.340				1095	A_R__TR3	47	Z	FD glo	-5.630			
1035	Distr_C2_-_TR1	67	Rx	CD loc	-32.0	32.0	0.000	0.000	1096	A_R__TR3	48	Z	FD glo	-5.630			
1036	Distr_C2_-_TR1	176	Rx	CD loc	-32.0	32.0	0.000	0.000	1097	A_R__TR3	49	Z	FD glo	-5.630			
1037	Distr_C2_TR1	177	Z	FD glo	-0.340				1098	A_R__TR3	50	Z	FD glo	-5.630			
1038	Distr_C2_-_TR1	160	Rx	CD loc	-32.0	32.0	0.000	0.000	1099	A_R__TR3	51	Z	FD glo	-5.630			
1039	Distr_C2_-_TR1	177	Rx	CD loc	-32.0	32.0	0.000	0.000	1100	A_R__TR3	52	Z	FD glo	-5.630			
1040	Distr_C2_TR2	178	Z	FD glo	-5.000				1101	A_R__TR3	53	Z	FD glo	-5.630			
1041	Distr_C2_TR3	179	Z	FD glo	-2.175				1102	A_R__TR3	54	Z	FD glo	-5.630			
1042	Distr_C2_+_TR3	38	Rx	CD loc	124.0	124.0	0.000	0.000	1103	A_R__TR3	55	Z	FD glo	-5.630			
1043	Distr_C2_+_TR3	179	Rx	CD loc	124.0	124.0	0.000	0.000	1104	A_R__TR3	56	Z	FD glo	-5.630			
1044	Distr_C2_TR3	180	Z	FD glo	-2.175				1105	A_R__TR3	57	Z	FD glo	-5.630			
1045	Distr_C2_+_TR3	39	Rx	CD loc	124.0	124.0	0.000	0.000	1106	A_R__TR3	58	Z	FD glo	-5.630			
1046	Distr_C2_+_TR3	180	Rx	CD loc	124.0	124.0	0.000	0.000	1107	A_R__TR3	59	Z	FD glo	-5.630			
1047	Distr_C2_TR2	181	Z	FD glo	-5.000				1108	A_R__TR3	60	Z	FD glo	-5.630			
1048	Distr_C2_TR2	182	Z	FD glo	-5.000				1109	A_R__TR3	61	Z	FD glo	-5.630			
1049	Distr_C2_TR1	183	Z	FD glo	-0.340				1110	A_R__TR3	62	Z	FD glo	-5.630			
1050	Distr_C2_-_TR1	70	Rx	CD loc	-32.0	32.0	0.000	0.000	1111	A_R__TR3	64	Z	FD glo	-5.630			
1051	Distr_C2_-_TR1	183	Rx	CD loc	-32.0	32.0	0.000	0.000	1112	A_R__TR3	33	Z	FD glo	-5.630			
1052	Distr_C2_TR1	184	Z	FD glo	-0.340				1113	A_R__TR3	63	Z	FD glo	-5.630			
1053	Distr_C2_-_TR1	71	Rx	CD loc	-32.0	32.0	0.000	0.000	1114	A_R__TR3	155	Z	FD glo	-5.630			
1054	Distr_C2_-_TR1	184	Rx	CD loc	-32.0	32.0	0.000	0.000	1115	A_R__TR3	34	Z	FD glo	-5.630			
1055	Distr_C2_TR1	185	Z	FD glo	-0.340				1116	A_R__TR3	158	Z	FD glo	-5.630			
1056	Distr_C2_-_TR1	75	Rx	CD loc	-32.0	32.0	0.000	0.000	1117	A_R_-_TR3	36	Rx	CD loc	-563.0	563.0	0.000	0.000
1057	Distr_C2_-_TR1	185	Rx	CD loc	-32.0	32.0	0.000	0.000	1118	A_R_-_TR3	37	Rx	CD loc	-563.0	563.0	0.000	0.000
1058	Distr_C2_TR1	186	Z	FD glo	-0.340				1119	A_R_-_TR3	40	Rx	CD loc	-563.0	563.0	0.000	0.000
1059	Distr_C2_-_TR1	76	Rx	CD loc	-32.0	32.0	0.000	0.000	1120	A_R_-_TR3	41	Rx	CD loc	-563.0	563.0	0.000	0.000
1060	Distr_C2_-_TR1	186	Rx	CD loc	-32.0	32.0	0.000	0.000	1121	A_R_-_TR3	42	Rx	CD loc	-563.0	563.0	0.000	0.000
1061	Distr_C2_TR2	187	Z	FD glo	-5.000				1122	A_R_-_TR3	45	Rx	CD loc	-563.0	563.0	0.000	0.000
1062	Distr_C2_TR2	188	Z	FD glo	-5.000				1123	A_R_-_TR3	46	Rx	CD loc	-563.0	563.0	0.000	0.000
1063	Distr_C2_TR3	189	Z	FD glo	-2.175				1124	A_R_-_TR3	47	Rx	CD loc	-563.0	563.0	0.000	0.000
1064	Distr_C2_+_TR3	43	Rx	CD loc	124.0	124.0	0.000	0.000	1125	A_R_-_TR3	50	Rx	CD loc	-563.0	563.0	0.000	0.000
1065	Distr_C2_+_TR3	189	Rx	CD loc	124.0	124.0	0.000	0.000	1126	A_R_-_TR3	51	Rx	CD loc	-563.0	563.0	0.000	0.000
1066	Distr_C2_TR3	190	Z	FD glo	-2.175				1127	A_R_-_TR3	52	Rx	CD loc	-563.0	563.0	0.000	0.000
1067	Distr_C2_+_TR3	44	Rx	CD loc	124.0	124.0	0.000	0.000	1128	A_R_-_TR3	53	Rx	CD loc	-563.0	563.0	0.000	0.000
1068	Distr_C2_+_TR3	190	Rx	CD loc	124.0	124.0	0.000	0.000	1129	A_R_-_TR3	54	Rx	CD loc	-563.0	563.0	0.000	0.000
1069	Distr_C2_TR3	191	Z	FD glo	-2.175				1130	A_R_-_TR3	55	Rx	CD loc	-563.0	563.0	0.000	0.000
1070	Distr_C2_+_TR3	48	Rx	CD loc	124.0	124.0	0.000	0.000	1131	A_R_-_TR3	56	Rx	CD loc	-563.0	563.0	0.000	0.000
1071	Distr_C2_+_TR3	191	Rx	CD loc	124.0	124.0	0.000	0.000	1132	A_R_-_TR3	57	Rx	CD loc	-563.0	563.0	0.000	0.000
1072	Distr_C2_TR3	192	Z	FD glo	-2.175				1133	A_R_-_TR3	58	Rx	CD loc	-563.0	563.0	0.000	0.000
1073	Distr_C2_+_TR3	49	Rx	CD loc	124.0	124.0	0.000	0.000	1134	A_R_-_TR3	59	Rx	CD loc	-563.0	563.0	0.000	0.000
1074	Distr_C2_+_TR3	192	Rx	CD loc	124.0	124.0	0.000	0.000	1135	A_R_-_TR3	60	Rx	CD loc	-563.0	563.0	0.000	0.000
1075	Distr_C2_TR2	193	Z	FD glo	-5.000				1136	A_R_-_TR3	61	Rx	CD loc	-563.0	563.0	0.000	0.000
1076	Distr_C2_TR1	194	Z	FD glo	-0.340				1137	A_R_-_TR3	62	Rx	CD loc	-563.0	563.0	0.000	0.000
1077	Distr_C2_-_TR1	81	Rx	CD loc	-32.0	32.0	0.000	0.000	1138	A_R_-_TR3	64	Rx	CD loc	-563.0	563.0	0.000	0.000
1078	Distr_C2_-_TR1	194	Rx	CD loc	-32.0	32.0	0.000	0.000	1139	A_R_-_TR3	33	Rx	CD loc	-563.0	563.0	0.000	0.000
1079	Distr_C2_TR1	195	Z	FD glo	-0.340				1140	A_R_-_TR3	63	Rx	CD loc	-563.0	563.0	0.000	0.000
									1141	A_R_-_TR3	155	Rx	CD loc	-563.0	563.0	0.000	0.000
									1142	A_R_-_TR3	34	Rx	CD loc	-563.0	563.0	0.000	0.000
									1143	A_R__TR3	173	Z	FD glo	-5.630			
									1144	A_R_-_TR3	158	Rx	CD loc	-563.0	563.0	0.000	0.000
									1145	A_R_-_TR3	173	Rx	CD loc	-563.0	563.0	0.000	0.000
									1146	A_R__TR3	174	Z	FD glo	-5.630			
									1147	A_R_-_TR3	35	Rx	CD loc	-563.0	563.0	0.000	0.000

Allegato A: strutture analizzate

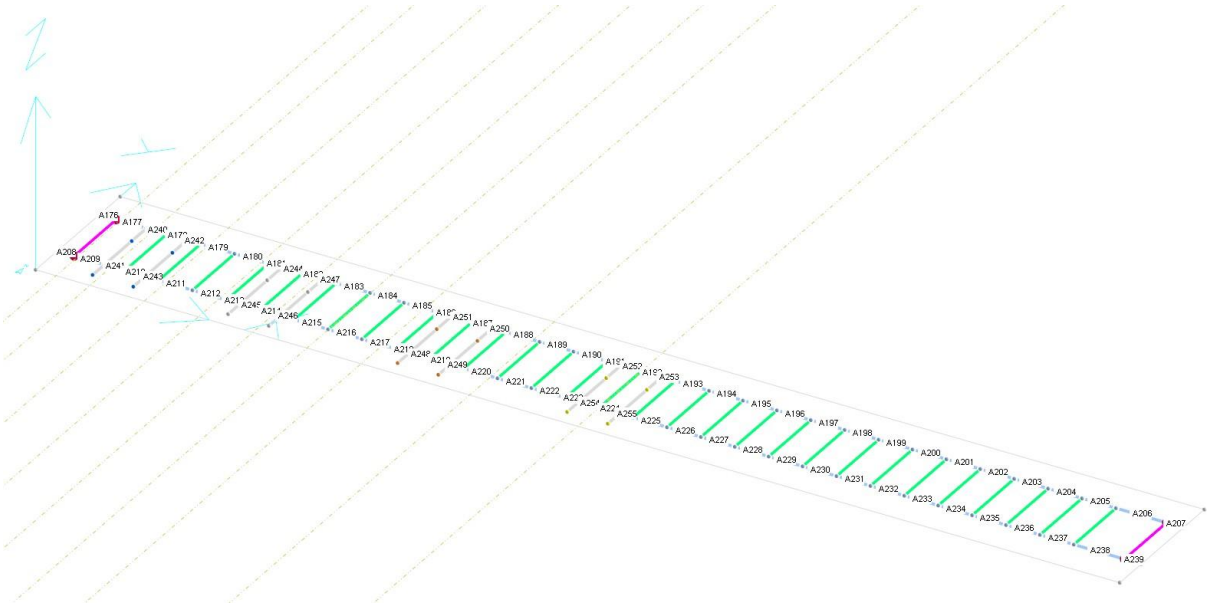
```
  1148 A_R_-_TR3              174  Rx  CD loc      -563.0     -
563.0      0.000      0.000
  1149 A_R__TR3               179  Z   FD glo      -5.630
  1150 A_R_-_TR3               38  Rx  CD loc      -563.0     -
563.0      0.000      0.000
  1151 A_R_-_TR3              179  Rx  CD loc      -563.0     -
563.0      0.000      0.000
  1152 A_R__TR3               180  Z   FD glo      -5.630
  1153 A_R_-_TR3               39  Rx  CD loc      -563.0     -
563.0      0.000      0.000
  1154 A_R_-_TR3              180  Rx  CD loc      -563.0     -
563.0      0.000      0.000
  1155 A_R__TR3               189  Z   FD glo      -5.630
  1156 A_R_-_TR3               43  Rx  CD loc      -563.0     -
563.0      0.000      0.000
  1157 A_R_-_TR3              189  Rx  CD loc      -563.0     -
563.0      0.000      0.000
  1158 A_R__TR3               190  Z   FD glo      -5.630
  1159 A_R_-_TR3               44  Rx  CD loc      -563.0     -
563.0      0.000      0.000
  1160 A_R_-_TR3              190  Rx  CD loc      -563.0     -
563.0      0.000      0.000
  1161 A_R__TR3               191  Z   FD glo      -5.630
  1162 A_R_-_TR3               48  Rx  CD loc      -563.0     -
563.0      0.000      0.000
  1163 A_R_-_TR3              191  Rx  CD loc      -563.0     -
563.0      0.000      0.000
  1164 A_R__TR3               192  Z   FD glo      -5.630
  1165 A_R_-_TR3               49  Rx  CD loc      -563.0     -
563.0      0.000      0.000
  1166 A_R_-_TR3              192  Rx  CD loc      -563.0     -
563.0      0.000      0.000

PESI PROPRI ASTE--|-----------|-----------|-----------|-----------
|-----------|
  Cond.  Nome Carichi          Aste
     2   1167-1170             169-172

CARICHI DI LINEA   |-----------|-----------|-----------|----------
-|num.=      0
           numero coordinata                        Intensità
  Nome     inizio       fine   Cond. Direz.   inizio        fine
Descrizione

CONDIZIONI DI CARICO----------|-----------|-----------|-----------
|num.=     17
  Nome
     1   Peso_proprio_travi   N. carichi:  126
         Lista carichi: 33-158

     2  Peso_proprio_solett   N. carichi:  214
         Lista carichi: 159-368, 1167-1170

     3        Perm_cordoli   N. carichi:   84
         Lista carichi: 369-452

     4  Perm_pavimentazione   N. carichi:  168
         Lista carichi: 453-620

     5       Perm_sicurvia   N. carichi:   84
         Lista carichi: 621-704

     6  Perm_rete_e_veletta   N. carichi:   84
         Lista carichi: 705-788

     7            Distr_C1   N. carichi:   84
         Lista carichi: 789-872

     8            Distr_C2   N. carichi:  210
         Lista carichi: 873-1082

     9  Distr_Area_rimanent   N. carichi:   84
         Lista carichi: 1083-1166

    10             Q_C1_MM   N. carichi:    4
         Lista carichi: 1-4

    11             Q_C1_MV   N. carichi:    4
         Lista carichi: 5-8

    12             Q_C1_VM   N. carichi:    4
         Lista carichi: 9-12

    13             Q_C1_VV   N. carichi:    4
         Lista carichi: 13-16

    14             Q_C2_MM   N. carichi:    4
         Lista carichi: 17-20

    15             Q_C2_MV   N. carichi:    4
         Lista carichi: 21-24

    16             Q_C2_VM   N. carichi:    4
         Lista carichi: 25-28

    17             Q_C2_VV   N. carichi:    4
         Lista carichi: 29-32

  RISULTANTI DEI CARICHI (punto di applicazione nell'origine degli
assi):
  cond.        FX            FY            FZ            MX
MY            MZ
     1  0.000000E+00  0.000000E+00 -1.929600E+05 -7.959600E+07
3.102797E+08  0.000000E+00
     2  0.000000E+00  0.000000E+00 -2.612670E+05 -1.077726E+08
4.201173E+08  0.000000E+00
     3  0.000000E+00  0.000000E+00 -3.016608E+04 -2.305631E+07
4.850706E+07  0.000000E+00
     4  0.000000E+00  0.000000E+00 -6.885456E+04 -2.450793E+07
1.107181E+08  0.000000E+00
     5  0.000000E+00  0.000000E+00 -4.824000E+03 -3.592433E+06
7.756992E+06  0.000000E+00
     6  0.000000E+00  0.000000E+00 -4.824000E+03 -4.001508E+06
7.756992E+06  0.000000E+00
     7  0.000000E+00  0.000000E+00 -2.412193E+04 -3.654472E+06
3.878806E+07  0.000000E+00
     8  0.000000E+00  0.000000E+00 -2.416824E+04 -1.085380E+07
3.886253E+07  0.000000E+00
     9  0.000000E+00  0.000000E+00 -1.810608E+04 -1.290058E+07
2.911458E+07  0.000000E+00
    10  0.000000E+00  0.000000E+00 -4.000200E+04 -6.000300E+06
6.432322E+07  0.000000E+00
    11  0.000000E+00  0.000000E+00 -4.000200E+04 -6.000300E+06
4.432222E+07  0.000000E+00
    12  0.000000E+00  0.000000E+00 -4.000200E+04 -6.000300E+06
2.432122E+07  0.000000E+00
    13  0.000000E+00  0.000000E+00 -4.000200E+04 -6.000300E+06
8.320416E+06  0.000000E+00
    14  0.000000E+00  0.000000E+00 -4.000000E+04 -1.800000E+07
6.432000E+07  0.000000E+00
    15  0.000000E+00  0.000000E+00 -4.000000E+04 -1.800000E+07
4.432000E+07  0.000000E+00
    16  0.000000E+00  0.000000E+00 -4.000000E+04 -1.800000E+07
2.432000E+07  0.000000E+00
    17  0.000000E+00  0.000000E+00 -4.000000E+04 -1.800000E+07
8.320000E+06  0.000000E+00
```

Allegato A

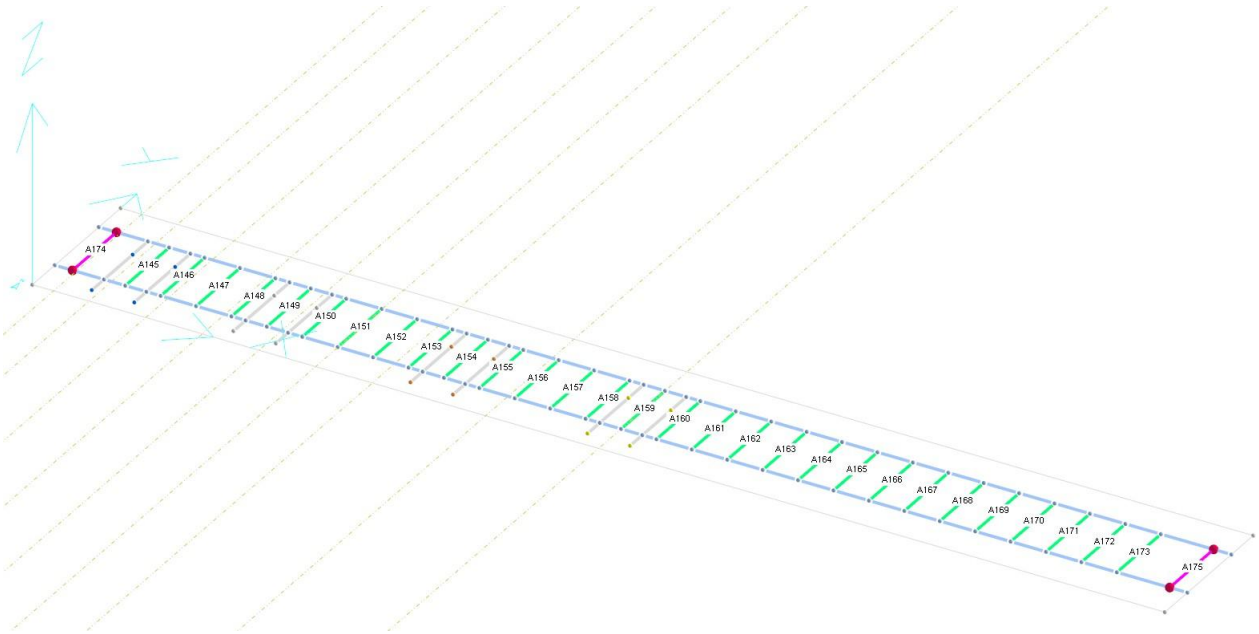
2. Allegato A - Struttura analizzata – Rampa S – Allineamenti [P6S – P7S]

2.1 MELAS5 – Modello struttura

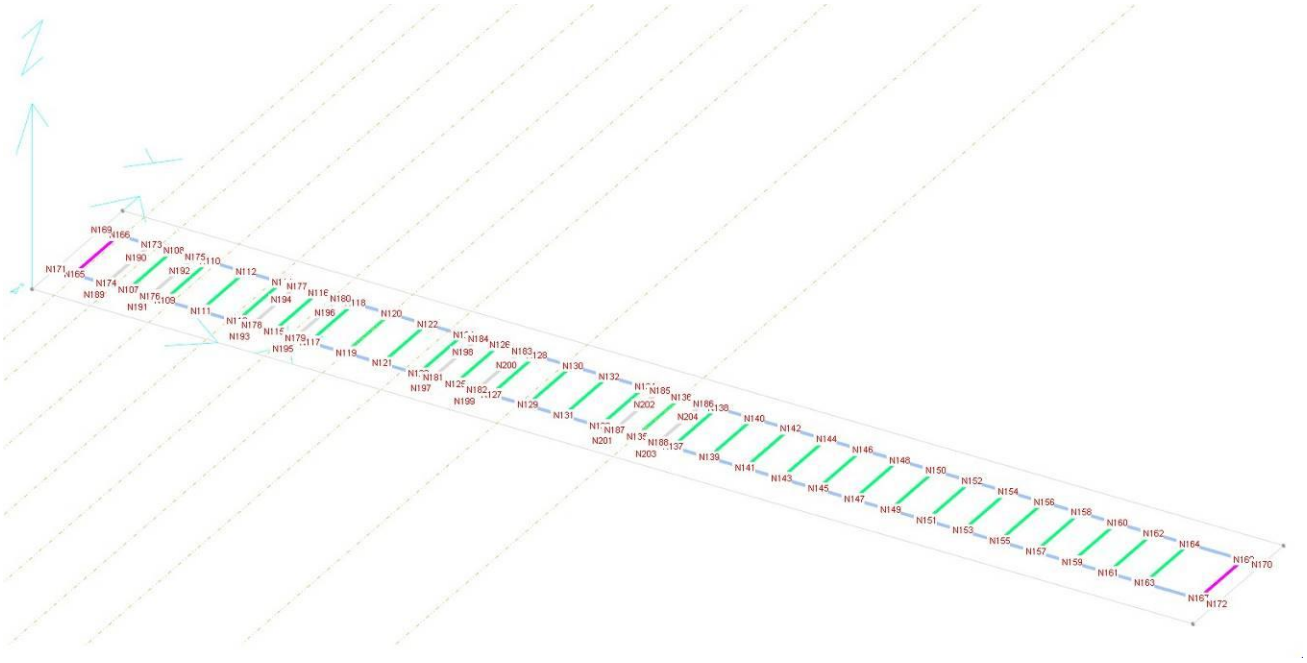
Numerazione aste e nodi:



MELAS5 – Numerazione aste travi



MELAS5– Numerazione aste soletta e traversi



MELAS5 – Numerazione nodi

```
*** DATI STRUTTURA

Unita` di misura :
LUNGHEZZE         : cm
SUPERFICI         : cm2
DATI SEZIONALI    : cm
ANGOLI            : gradi
FORZE             : daN
MOMENTI           : daNcm
CARICHI LINEARI   : daN/cm
CARICHI SUPERFIC.: daN/cm2
TENSIONI          : daN/cm2
PESI DI VOLUME    : daN/cm3
COEFF. DI WINKLER: daN/cm3
RIGIDEZZE VINCOL.: daN/cm - daNcm/rad

NODI--|-----------|-----------|-----------|-----------|-----------
|num.=    102
  Nome    Coord. X    Coord. Y    Coord. Z
     1       0.000     401.500       0.000
     2      75.000     401.500       0.000
     3     218.000     401.500       0.000
     4     318.000     401.500       0.000
     5     418.000     401.500       0.000
     6     518.000     401.500       0.000
     7     618.000     401.500       0.000
     8     718.000     401.500       0.000
     9     818.000     401.500       0.000
    10     918.000     401.500       0.000
    11    1018.000     401.500       0.000
    12    1118.000     401.500       0.000
    13    1218.000     401.500       0.000
    14    1318.000     401.500       0.000
    15    1418.000     401.500       0.000
    16    1518.000     401.500       0.000
    17    1618.000     401.500       0.000
    18    1718.000     401.500       0.000
    19    1818.000     401.500       0.000
    20    1918.000     401.500       0.000
    21    2018.000     401.500       0.000
    22    2118.000     401.500       0.000
    23    2218.000     401.500       0.000
    24    2318.000     401.500       0.000
    25    2418.000     401.500       0.000
    26    2518.000     401.500       0.000
    27    2618.000     401.500       0.000
    28    2718.000     401.500       0.000
    29    2818.000     401.500       0.000
    30    2918.000     401.500       0.000
    31    3018.000     401.500       0.000
    32    3118.000     401.500       0.000
    33    3218.000     401.500       0.000
    34    3361.000     401.500       0.000
    35    3436.000     401.500       0.000
    36       0.000     186.500       0.000
    37      75.000     186.500       0.000
    38     218.000     186.500       0.000
    39     318.000     186.500       0.000
    40     418.000     186.500       0.000
    41     518.000     186.500       0.000
    42     618.000     186.500       0.000
    43     718.000     186.500       0.000
    44     818.000     186.500       0.000
    45     918.000     186.500       0.000
    46    1018.000     186.500       0.000
    47    1118.000     186.500       0.000
    48    1218.000     186.500       0.000
    49    1318.000     186.500       0.000
    50    1418.000     186.500       0.000
    51    1518.000     186.500       0.000
    52    1618.000     186.500       0.000
    53    1718.000     186.500       0.000
    54    1818.000     186.500       0.000
    55    1918.000     186.500       0.000
    56    2018.000     186.500       0.000
    57    2118.000     186.500       0.000
    58    2218.000     186.500       0.000
    59    2318.000     186.500       0.000
    60    2418.000     186.500       0.000
    61    2518.000     186.500       0.000
    62    2618.000     186.500       0.000
    63    2718.000     186.500       0.000
    64    2818.000     186.500       0.000
    65    2918.000     186.500       0.000
    66    3018.000     186.500       0.000
    67    3118.000     186.500       0.000
    68    3218.000     186.500       0.000
    69    3361.000     186.500       0.000
    70    3436.000     186.500       0.000
    71     158.000     186.500       0.000
    72     278.000     186.500       0.000
    73     658.000     186.500       0.000
    74     778.000     186.500       0.000
    75    1158.000     186.500       0.000
    76    1278.000     186.500       0.000
    77    1658.000     186.500       0.000
    78    1778.000     186.500       0.000
    79     158.000      50.000       0.000
    80     158.000     250.000       0.000
    81     158.000     401.500       0.000
    82     278.000      50.000       0.000
```

Allegato A

Allegato A: strutture analizzate

83	278.000	250.000	0.000		38	3	39	40
84	278.000	401.500	0.000	0.0				
85	658.000	50.000	0.000		39	3	40	41
86	658.000	250.000	0.000	0.0				
87	658.000	401.500	0.000		40	3	41	42
88	778.000	50.000	0.000	0.0				
89	778.000	250.000	0.000		41	3	42	73
90	778.000	401.500	0.000	0.0				
93	1158.000	250.000	0.000		42	3	43	74
94	1158.000	401.500	0.000	0.0				
97	1158.000	50.000	0.000		43	3	44	45
98	1278.000	50.000	0.000	0.0				
99	1278.000	250.000	0.000		44	3	45	46
100	1278.000	401.500	0.000	0.0				
101	1658.000	50.000	0.000		45	3	46	47
102	1658.000	250.000	0.000	0.0				
103	1658.000	401.500	0.000		46	3	47	75
104	1778.000	50.000	0.000	0.0				
105	1778.000	250.000	0.000		47	3	48	76
106	1778.000	401.500	0.000	0.0				
					48	3	49	50

ASTE--|----------|----------|----------|----------|---------- 0.0

	num.= Nome	141 Proprieta`	Nodo iniz.	Nodo fin.	Rilasci in.	Rilasci fin.	Orient.			
								49	3	50	51
	1	4	1	2	0.0	0.0		50	3	51	52
	2	4	2	81	0.0	0.0		51	3	52	77
	3	4	3	84	0.0	0.0		52	3	53	78
	4	4	4	5	0.0	0.0		53	3	54	55
	5	4	5	6	0.0	0.0		54	3	55	56
	6	4	6	7	0.0	0.0		55	3	56	57
	7	4	7	87	0.0	0.0		56	3	57	58
	8	4	8	90	0.0	0.0		57	3	58	59
	9	4	9	10	0.0	0.0		58	3	59	60
	10	4	10	11	0.0	0.0		59	3	60	61
	11	4	11	12	0.0	0.0		60	3	61	62
	12	4	12	94	0.0	0.0		61	3	62	63
	13	4	13	100	0.0	0.0		62	3	63	64
	14	4	14	15	0.0	0.0		63	3	64	65
	15	4	15	16	0.0	0.0		64	3	65	66
	16	4	16	17	0.0	0.0		65	3	66	67
	17	4	17	103	0.0	0.0		66	3	67	68
	18	4	18	106	0.0	0.0		67	3	68	69
	19	4	19	20	0.0	0.0		68	3	69	70
	20	4	20	21	0.0	0.0		69	2	38	3
	21	4	21	22	0.0	0.0		70	2	39	4
	22	4	22	23	0.0	0.0		72	2	40	5
	23	4	23	24	0.0	0.0		73	2	41	6
	24	4	24	25	0.0	0.0		74	2	42	7
	25	4	25	26	0.0	0.0		75	2	43	8
	26	4	26	27	0.0	0.0		76	2	44	9
	27	4	27	28	0.0	0.0		77	2	45	10
	28	4	28	29	0.0	0.0		78	2	46	11
	29	4	29	30	0.0	0.0		79	2	47	12
	30	4	30	31	0.0	0.0		80	2	48	13
	31	4	31	32	0.0	0.0		81	2	49	14
	32	4	32	33	0.0	0.0		82	2	50	15
	33	4	33	34	0.0	0.0		83	2	51	16
	34	4	34	35	0.0	0.0		84	2	52	17
	35	3	36	37	0.0	0.0		85	2	53	18
	36	3	37	71	0.0	0.0		86	2	54	19
	37	3	38	72	0.0	0.0		87	2	55	20

Allegato A: strutture analizzate

```
    88          2          56          21
0.0
    89          2          57          22
0.0
    90          2          58          23
0.0
    91          2          59          24
0.0
    92          2          60          25
0.0
    93          2          61          26
0.0
    94          2          62          27
0.0
    95          2          63          28
0.0
    96          2          64          29
0.0
    97          2          65          30
0.0
    98          2          66          31
0.0
    99          2          67          32
0.0
   100          2          68          33
0.0
   101          7          37           2
0.0
   102          7          69          34
0.0
   103          3          71          38
0.0
   104          3          72          39
0.0
   105          3          73          43
0.0
   106          3          74          44
0.0
   107          3          75          48
0.0
   108          3          76          49
0.0
   109          3          77          53
0.0
   110          3          78          54
0.0
   111          8          79          71
0.0
   112          8          71          80        RyRz
0.0
   113          8          80          81                RxRyRz
0.0
   114          8          82          72
0.0
   115          8          72          83        RyRz
0.0
   116          8          83          84                RxRyRz
0.0
   117          8          85          73
0.0
   118          8          73          86        RyRz
0.0
   119          8          86          87                RxRyRz
0.0
   120          8          88          74
0.0
   121          8          74          89        RyRz
0.0
   122          8          89          90                RxRyRz
0.0
   124          8          93          94                RxRyRz
0.0
   126          8          97          75
0.0
   127          8          75          93        RyRz
0.0
   128          8          98          76
0.0
   129          8          76          99        RyRz
0.0
   130          8          99         100                RxRyRz
0.0
   131          8         101          77
0.0
   132          8          77         102        RyRz
0.0
   133          8         102         103                RxRyRz
0.0
   134          8         104          78
0.0
   135          8          78         105        RyRz
0.0
   136          8         105         106                RxRyRz
0.0
   137          4          81           3
0.0
   138          4          84           4
0.0
```

```
   139          4          87           8
0.0
   140          4          90           9
0.0
   141          4          94          13
0.0
   142          4         100          14
0.0
   143          4         103          18
0.0
   144          4         106          19
0.0

PROPRIETA` ASTE---|----------|----------|----------|----------
|num.=      5
  Nome   Materiale        Base     Altezza        Area Area tag. Y
Area tag.  Z
                       Kw vertic.   Kw orizz.      J tors. J fless. Y
J fless.  Z
     2          4      100.00       25.00 2.50000E+03 2.08333E+03
2.08333E+03
                       0.000000    0.000000 4.38826E+05 2.08333E+06
1.30208E+05
     3          1      281.00      190.00 1.55591E+04 1.55591E+04
1.55591E+04
                       0.000000    0.000000 5.21626E+07 7.94612E+07
7.83334E+07
     4          1      281.00      190.00 1.55591E+04 1.55591E+04
1.55591E+04
                       0.000000    0.000000 5.21626E+07 7.94612E+07
7.83334E+07
     7          4      150.00      169.00 1.09501E+04 1.09501E+04
1.09501E+04
                       0.000000    0.000000 6.00331E+06 8.53123E+06
3.02435E+07
     8          1       50.00       50.00 2.50000E+03 2.08333E+03
2.08333E+03
                       0.000000    0.000000 8.80195E+05 5.20833E+05
5.20833E+05

MATERIALI---------|----------|----------|----------|----------
|num.=      2
  Nome Mod. elast.   Coeff. nu  Mod. tang.  Peso spec.    Dil. te.
     1 3.64160E+05 1.50000E-01 1.30000E+05 2.50000E-03  1.00000E-
05
     4 3.46250E+05 1.50000E-01 1.30000E+05 2.50000E-03  1.00000E-
05

VINCOLI----------|----------|----------|----------|----------
|num.=      4
  Nodo    Rigid. X    Rigid. Y    Rigid. Z   Rigid. RX   Rigid. RY
Rigid. RZ
    37    bloccato    bloccato    bloccato      libero      libero
libero
     2    bloccato    bloccato    bloccato      libero      libero
libero
    69    bloccato    bloccato    bloccato      libero      libero
libero
    34    bloccato    bloccato    bloccato      libero      libero
libero

CARICHI NODI------|----------|----------|----------|----------
|num.=     16
  Nome                          Nodo   Direzione  Intensita`
     1 Q_C1_gomma                104           Z   -10000.5
     2 Q_C1_gomma                101           Z   -10000.5
     3 Q_C1_gomma                102           Z   -10000.5
     4 Q_C1_gomma                105           Z   -10000.5
     5 Q_C1_gomma                 98           Z   -10000.5
     6 Q_C1_gomma                 97           Z   -10000.5
     7 Q_C1_gomma                 93           Z   -10000.5
     8 Q_C1_gomma                 99           Z   -10000.5
     9 Q_C1_gomma                 85           Z   -10000.5
    10 Q_C1_gomma                 88           Z   -10000.5
    11 Q_C1_gomma                 86           Z   -10000.5
    12 Q_C1_gomma                 89           Z   -10000.5
    13 Q_C1_gomma                 79           Z   -10000.5
    14 Q_C1_gomma                 82           Z   -10000.5
    15 Q_C1_gomma                 80           Z   -10000.5
    16 Q_C1_gomma                 83           Z   -10000.5

CARICHI ASTE------|----------|----------|----------|----------
|num.=    926
  Nome                          Asta Dir Tip RIF Parametro 1
Parametro 2 Parametro 3 Parametro  4
    17 Pp_CIR_214_160-14         1  Z   FD glo     -20.750
    18 Pp_CIR_214_160-14         2  Z   FD glo     -20.750
    19 Pp_CIR_214_160-14         3  Z   FD glo     -20.750
    20 Pp_CIR_214_160-14         4  Z   FD glo     -20.750
    21 Pp_CIR_214_160-14         5  Z   FD glo     -20.750
    22 Pp_CIR_214_160-14         6  Z   FD glo     -20.750
    23 Pp_CIR_214_160-14         7  Z   FD glo     -20.750
    24 Pp_CIR_214_160-14         8  Z   FD glo     -20.750
    25 Pp_CIR_214_160-14         9  Z   FD glo     -20.750
    26 Pp_CIR_214_160-14        10  Z   FD glo     -20.750
    27 Pp_CIR_214_160-14        11  Z   FD glo     -20.750
    28 Pp_CIR_214_160-14        12  Z   FD glo     -20.750
    29 Pp_CIR_214_160-14        13  Z   FD glo     -20.750
    30 Pp_CIR_214_160-14        14  Z   FD glo     -20.750
```

Allegato A

Allegato A: strutture analizzate

31	Pp_CIR_214_160-14	15	Z	FD glo	-20.750
32	Pp_CIR_214_160-14	16	Z	FD glo	-20.750
33	Pp_CIR_214_160-14	17	Z	FD glo	-20.750
34	Pp_CIR_214_160-14	18	Z	FD glo	-20.750
35	Pp_CIR_214_160-14	19	Z	FD glo	-20.750
36	Pp_CIR_214_160-14	20	Z	FD glo	-20.750
37	Pp_CIR_214_160-14	21	Z	FD glo	-20.750
38	Pp_CIR_214_160-14	22	Z	FD glo	-20.750
39	Pp_CIR_214_160-14	23	Z	FD glo	-20.750
40	Pp_CIR_214_160-14	24	Z	FD glo	-20.750
41	Pp_CIR_214_160-14	25	Z	FD glo	-20.750
42	Pp_CIR_214_160-14	26	Z	FD glo	-20.750
43	Pp_CIR_214_160-14	27	Z	FD glo	-20.750
44	Pp_CIR_214_160-14	28	Z	FD glo	-20.750
45	Pp_CIR_214_160-14	29	Z	FD glo	-20.750
46	Pp_CIR_214_160-14	30	Z	FD glo	-20.750
47	Pp_CIR_214_160-14	31	Z	FD glo	-20.750
48	Pp_CIR_214_160-14	32	Z	FD glo	-20.750
49	Pp_CIR_214_160-14	33	Z	FD glo	-20.750
50	Pp_CIR_214_160-14	34	Z	FD glo	-20.750
51	Pp_CIR_214_160-14	35	Z	FD glo	-20.750
52	Pp_CIR_214_160-14	36	Z	FD glo	-20.750
53	Pp_CIR_214_160-14	37	Z	FD glo	-20.750
54	Pp_CIR_214_160-14	38	Z	FD glo	-20.750
55	Pp_CIR_214_160-14	39	Z	FD glo	-20.750
56	Pp_CIR_214_160-14	40	Z	FD glo	-20.750
57	Pp_CIR_214_160-14	41	Z	FD glo	-20.750
58	Pp_CIR_214_160-14	42	Z	FD glo	-20.750
59	Pp_CIR_214_160-14	43	Z	FD glo	-20.750
60	Pp_CIR_214_160-14	44	Z	FD glo	-20.750
61	Pp_CIR_214_160-14	45	Z	FD glo	-20.750
62	Pp_CIR_214_160-14	46	Z	FD glo	-20.750
63	Pp_CIR_214_160-14	47	Z	FD glo	-20.750
64	Pp_CIR_214_160-14	48	Z	FD glo	-20.750
65	Pp_CIR_214_160-14	49	Z	FD glo	-20.750
66	Pp_CIR_214_160-14	50	Z	FD glo	-20.750
67	Pp_CIR_214_160-14	51	Z	FD glo	-20.750
68	Pp_CIR_214_160-14	52	Z	FD glo	-20.750
69	Pp_CIR_214_160-14	53	Z	FD glo	-20.750
70	Pp_CIR_214_160-14	54	Z	FD glo	-20.750
71	Pp_CIR_214_160-14	55	Z	FD glo	-20.750
72	Pp_CIR_214_160-14	56	Z	FD glo	-20.750
73	Pp_CIR_214_160-14	57	Z	FD glo	-20.750
74	Pp_CIR_214_160-14	58	Z	FD glo	-20.750
75	Pp_CIR_214_160-14	59	Z	FD glo	-20.750
76	Pp_CIR_214_160-14	60	Z	FD glo	-20.750
77	Pp_CIR_214_160-14	61	Z	FD glo	-20.750
78	Pp_CIR_214_160-14	62	Z	FD glo	-20.750
79	Pp_CIR_214_160-14	63	Z	FD glo	-20.750
80	Pp_CIR_214_160-14	64	Z	FD glo	-20.750
81	Pp_CIR_214_160-14	65	Z	FD glo	-20.750
82	Pp_CIR_214_160-14	66	Z	FD glo	-20.750
83	Pp_CIR_214_160-14	67	Z	FD glo	-20.750
84	Pp_CIR_214_160-14	68	Z	FD glo	-20.750
85	Pp_CIR_214_160-14	103	Z	FD glo	-20.750
86	Pp_CIR_214_160-14	104	Z	FD glo	-20.750
87	Pp_CIR_214_160-14	105	Z	FD glo	-20.750
88	Pp_CIR_214_160-14	106	Z	FD glo	-20.750
89	Pp_CIR_214_160-14	107	Z	FD glo	-20.750
90	Pp_CIR_214_160-14	108	Z	FD glo	-20.750
91	Pp_CIR_214_160-14	109	Z	FD glo	-20.750
92	Pp_CIR_214_160-14	110	Z	FD glo	-20.750
93	Pp_CIR_214_160-14	137	Z	FD glo	-20.750
94	Pp_CIR_214_160-14	138	Z	FD glo	-20.750
95	Pp_CIR_214_160-14	139	Z	FD glo	-20.750
96	Pp_CIR_214_160-14	140	Z	FD glo	-20.750
97	Pp_CIR_214_160-14	141	Z	FD glo	-20.750
98	Pp_CIR_214_160-14	142	Z	FD glo	-20.750
99	Pp_CIR_214_160-14	143	Z	FD glo	-20.750
100	Pp_CIR_214_160-14	144	Z	FD glo	-20.750
101	Perm_soletta_TR1	35	Z	FD glo	-26.100
102	Perm_soletta_TR1	38	Z	FD glo	-26.100
103	Perm_soletta_TR1	39	Z	FD glo	-26.100
104	Perm_soletta_TR1	40	Z	FD glo	-26.100
105	Perm_soletta_TR1	43	Z	FD glo	-26.100
106	Perm_soletta_TR1	44	Z	FD glo	-26.100
107	Perm_soletta_TR1	45	Z	FD glo	-26.100
108	Perm_soletta_TR1	48	Z	FD glo	-26.100
109	Perm_soletta_TR1	49	Z	FD glo	-26.100
110	Perm_soletta_TR1	50	Z	FD glo	-26.100
111	Perm_soletta_TR1	53	Z	FD glo	-26.100
112	Perm_soletta_TR1	54	Z	FD glo	-26.100
113	Perm_soletta_TR1	55	Z	FD glo	-26.100
114	Perm_soletta_TR1	56	Z	FD glo	-26.100
115	Perm_soletta_TR1	57	Z	FD glo	-26.100
116	Perm_soletta_TR1	58	Z	FD glo	-26.100
117	Perm_soletta_TR1	59	Z	FD glo	-26.100
118	Perm_soletta_TR1	60	Z	FD glo	-26.100
119	Perm_soletta_TR1	61	Z	FD glo	-26.100
120	Perm_soletta_TR1	62	Z	FD glo	-26.100
121	Perm_soletta_TR1	63	Z	FD glo	-26.100
122	Perm_soletta_TR1	64	Z	FD glo	-26.100
123	Perm_soletta_TR1	65	Z	FD glo	-26.100
124	Perm_soletta_TR1	66	Z	FD glo	-26.100
125	Perm_soletta_TR1	67	Z	FD glo	-26.100
126	Perm_soletta_TR1	68	Z	FD glo	-26.100
127	Perm_soletta_TR1	36	Z	FD glo	-26.100
128	Perm_soletta_TR1	103	Z	FD glo	-26.100
129	Perm_soletta_TR1	37	Z	FD glo	-26.100
130	Perm_soletta_TR1	104	Z	FD glo	-26.100
131	Perm_soletta_TR1	41	Z	FD glo	-26.100
132	Perm_soletta_TR1	105	Z	FD glo	-26.100
133	Perm_soletta_TR1	42	Z	FD glo	-26.100
134	Perm_soletta_TR1	106	Z	FD glo	-26.100
135	Perm_soletta_TR1	46	Z	FD glo	-26.100
136	Perm_soletta_TR1	107	Z	FD glo	-26.100
137	Perm_soletta_TR1	47	Z	FD glo	-26.100
138	Perm_soletta_TR1	108	Z	FD glo	-26.100
139	Perm_soletta_TR1	51	Z	FD glo	-26.100
140	Perm_soletta_TR1	109	Z	FD glo	-26.100
141	Perm_soletta_TR1	52	Z	FD glo	-26.100
142	Perm_soletta_TR1	110	Z	FD glo	-26.100
143	Perm_soletta_TR1_+	35	Rx	CD loc	966.0
966.0	0.000	0.000			
144	Perm_soletta_TR1_+	38	Rx	CD loc	966.0
966.0	0.000	0.000			
145	Perm_soletta_TR1_+	39	Rx	CD loc	966.0
966.0	0.000	0.000			
146	Perm_soletta_TR1_+	40	Rx	CD loc	966.0
966.0	0.000	0.000			
147	Perm_soletta_TR1_+	43	Rx	CD loc	966.0
966.0	0.000	0.000			
148	Perm_soletta_TR1_+	44	Rx	CD loc	966.0
966.0	0.000	0.000			
149	Perm_soletta_TR1_+	45	Rx	CD loc	966.0
966.0	0.000	0.000			
150	Perm_soletta_TR1_+	48	Rx	CD loc	966.0
966.0	0.000	0.000			
151	Perm_soletta_TR1_+	49	Rx	CD loc	966.0
966.0	0.000	0.000			
152	Perm_soletta_TR1_+	50	Rx	CD loc	966.0
966.0	0.000	0.000			
153	Perm_soletta_TR1_+	53	Rx	CD loc	966.0
966.0	0.000	0.000			
154	Perm_soletta_TR1_+	54	Rx	CD loc	966.0
966.0	0.000	0.000			
155	Perm_soletta_TR1_+	55	Rx	CD loc	966.0
966.0	0.000	0.000			
156	Perm_soletta_TR1_+	56	Rx	CD loc	966.0
966.0	0.000	0.000			
157	Perm_soletta_TR1_+	57	Rx	CD loc	966.0
966.0	0.000	0.000			
158	Perm_soletta_TR1_+	58	Rx	CD loc	966.0
966.0	0.000	0.000			
159	Perm_soletta_TR1_+	59	Rx	CD loc	966.0
966.0	0.000	0.000			
160	Perm_soletta_TR1_+	60	Rx	CD loc	966.0
966.0	0.000	0.000			
161	Perm_soletta_TR1_+	61	Rx	CD loc	966.0
966.0	0.000	0.000			
162	Perm_soletta_TR1_+	62	Rx	CD loc	966.0
966.0	0.000	0.000			
163	Perm_soletta_TR1_+	63	Rx	CD loc	966.0
966.0	0.000	0.000			
164	Perm_soletta_TR1_+	64	Rx	CD loc	966.0
966.0	0.000	0.000			
165	Perm_soletta_TR1_+	65	Rx	CD loc	966.0
966.0	0.000	0.000			
166	Perm_soletta_TR1_+	66	Rx	CD loc	966.0
966.0	0.000	0.000			
167	Perm_soletta_TR1_+	67	Rx	CD loc	966.0
966.0	0.000	0.000			
168	Perm_soletta_TR1_+	68	Rx	CD loc	966.0
966.0	0.000	0.000			
169	Perm_soletta_TR1_+	36	Rx	CD loc	966.0
966.0	0.000	0.000			
170	Perm_soletta_TR1_+	103	Rx	CD loc	966.0
966.0	0.000	0.000			
171	Perm_soletta_TR1_+	37	Rx	CD loc	966.0
966.0	0.000	0.000			
172	Perm_soletta_TR1_+	104	Rx	CD loc	966.0
966.0	0.000	0.000			
173	Perm_soletta_TR1_+	41	Rx	CD loc	966.0
966.0	0.000	0.000			
174	Perm_soletta_TR1_+	105	Rx	CD loc	966.0
966.0	0.000	0.000			
175	Perm_soletta_TR1_+	42	Rx	CD loc	966.0
966.0	0.000	0.000			
176	Perm_soletta_TR1_+	106	Rx	CD loc	966.0
966.0	0.000	0.000			
177	Perm_soletta_TR1_+	46	Rx	CD loc	966.0
966.0	0.000	0.000			
178	Perm_soletta_TR1_+	107	Rx	CD loc	966.0
966.0	0.000	0.000			
179	Perm_soletta_TR1_+	47	Rx	CD loc	966.0
966.0	0.000	0.000			
180	Perm_soletta_TR1_+	108	Rx	CD loc	966.0
966.0	0.000	0.000			
181	Perm_soletta_TR1_+	51	Rx	CD loc	966.0
966.0	0.000	0.000			
182	Perm_soletta_TR1_+	109	Rx	CD loc	966.0
966.0	0.000	0.000			
183	Perm_soletta_TR1_+	52	Rx	CD loc	966.0
966.0	0.000	0.000			
184	Perm_soletta_TR1_+	110	Rx	CD loc	966.0
966.0	0.000	0.000			
185	Perm_soletta_TR2	1	Z	FD glo	-27.000
186	Perm_soletta_TR2	4	Z	FD glo	-27.000

Allegato A: strutture analizzate

```
   187 Perm_soletta_TR2          5  Z   FD glo     -27.000
   188 Perm_soletta_TR2          6  Z   FD glo     -27.000
   189 Perm_soletta_TR2          9  Z   FD glo     -27.000
   190 Perm_soletta_TR2         10  Z   FD glo     -27.000
   191 Perm_soletta_TR2         11  Z   FD glo     -27.000
   192 Perm_soletta_TR2         14  Z   FD glo     -27.000
   193 Perm_soletta_TR2         15  Z   FD glo     -27.000
   194 Perm_soletta_TR2         16  Z   FD glo     -27.000
   195 Perm_soletta_TR2         19  Z   FD glo     -27.000
   196 Perm_soletta_TR2         20  Z   FD glo     -27.000
   197 Perm_soletta_TR2         21  Z   FD glo     -27.000
   198 Perm_soletta_TR2         22  Z   FD glo     -27.000
   199 Perm_soletta_TR2         23  Z   FD glo     -27.000
   200 Perm_soletta_TR2         24  Z   FD glo     -27.000
   201 Perm_soletta_TR2         25  Z   FD glo     -27.000
   202 Perm_soletta_TR2         26  Z   FD glo     -27.000
   203 Perm_soletta_TR2         27  Z   FD glo     -27.000
   204 Perm_soletta_TR2         28  Z   FD glo     -27.000
   205 Perm_soletta_TR2         29  Z   FD glo     -27.000
   206 Perm_soletta_TR2         30  Z   FD glo     -27.000
   207 Perm_soletta_TR2         31  Z   FD glo     -27.000
   208 Perm_soletta_TR2         32  Z   FD glo     -27.000
   209 Perm_soletta_TR2         33  Z   FD glo     -27.000
   210 Perm_soletta_TR2         34  Z   FD glo     -27.000
   211 Perm_soletta_TR2          2  Z   FD glo     -27.000
   212 Perm_soletta_TR2        137  Z   FD glo     -27.000
   213 Perm_soletta_TR2          3  Z   FD glo     -27.000
   214 Perm_soletta_TR2        138  Z   FD glo     -27.000
   215 Perm_soletta_TR2          7  Z   FD glo     -27.000
   216 Perm_soletta_TR2        139  Z   FD glo     -27.000
   217 Perm_soletta_TR2          8  Z   FD glo     -27.000
   218 Perm_soletta_TR2        140  Z   FD glo     -27.000
   219 Perm_soletta_TR2         12  Z   FD glo     -27.000
   220 Perm_soletta_TR2        141  Z   FD glo     -27.000
   221 Perm_soletta_TR2         13  Z   FD glo     -27.000
   222 Perm_soletta_TR2        142  Z   FD glo     -27.000
   223 Perm_soletta_TR2         17  Z   FD glo     -27.000
   224 Perm_soletta_TR2        143  Z   FD glo     -27.000
   225 Perm_soletta_TR2         18  Z   FD glo     -27.000
   226 Perm_soletta_TR2        144  Z   FD glo     -27.000
   227 Perm_soletta_TR2_-        1  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   228 Perm_soletta_TR2_-        4  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   229 Perm_soletta_TR2_-        5  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   230 Perm_soletta_TR2_-        6  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   231 Perm_soletta_TR2_-        9  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   232 Perm_soletta_TR2_-       10  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   233 Perm_soletta_TR2_-       11  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   234 Perm_soletta_TR2_-       14  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   235 Perm_soletta_TR2_-       15  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   236 Perm_soletta_TR2_-       16  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   237 Perm_soletta_TR2_-       19  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   238 Perm_soletta_TR2_-       20  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   239 Perm_soletta_TR2_-       21  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   240 Perm_soletta_TR2_-       22  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   241 Perm_soletta_TR2_-       23  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   242 Perm_soletta_TR2_-       24  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   243 Perm_soletta_TR2_-       25  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   244 Perm_soletta_TR2_-       26  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   245 Perm_soletta_TR2_-       27  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   246 Perm_soletta_TR2_-       28  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   247 Perm_soletta_TR2_-       29  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   248 Perm_soletta_TR2_-       30  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   249 Perm_soletta_TR2_-       31  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   250 Perm_soletta_TR2_-       32  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   251 Perm_soletta_TR2_-       33  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   252 Perm_soletta_TR2_-       34  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   253 Perm_soletta_TR2_-        2  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   254 Perm_soletta_TR2_-      137  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   255 Perm_soletta_TR2_-        3  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   256 Perm_soletta_TR2_-      138  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   257 Perm_soletta_TR2_-        7  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   258 Perm_soletta_TR2_-      139  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   259 Perm_soletta_TR2_-        8  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   260 Perm_soletta_TR2_-      140  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   261 Perm_soletta_TR2_-       12  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   262 Perm_soletta_TR2_-      141  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   263 Perm_soletta_TR2_-       13  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   264 Perm_soletta_TR2_-      142  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   265 Perm_soletta_TR2_-       17  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   266 Perm_soletta_TR2_-      143  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   267 Perm_soletta_TR2_-       18  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   268 Perm_soletta_TR2_-      144  Rx  CD loc    -1134.0     -
1134.0       0.000       0.000
   269 Perm_cordoli_TR2          1  Z   FD glo      -9.380
   270 Perm_cordoli_TR2          4  Z   FD glo      -9.380
   271 Perm_cordoli_TR2          5  Z   FD glo      -9.380
   272 Perm_cordoli_TR2          6  Z   FD glo      -9.380
   273 Perm_cordoli_TR2          9  Z   FD glo      -9.380
   274 Perm_cordoli_TR2         10  Z   FD glo      -9.380
   275 Perm_cordoli_TR2         11  Z   FD glo      -9.380
   276 Perm_cordoli_TR2         14  Z   FD glo      -9.380
   277 Perm_cordoli_TR2         15  Z   FD glo      -9.380
   278 Perm_cordoli_TR2         16  Z   FD glo      -9.380
   279 Perm_cordoli_TR2         19  Z   FD glo      -9.380
   280 Perm_cordoli_TR2         20  Z   FD glo      -9.380
   281 Perm_cordoli_TR2         21  Z   FD glo      -9.380
   282 Perm_cordoli_TR2         22  Z   FD glo      -9.380
   283 Perm_cordoli_TR2         23  Z   FD glo      -9.380
   284 Perm_cordoli_TR2         24  Z   FD glo      -9.380
   285 Perm_cordoli_TR2         25  Z   FD glo      -9.380
   286 Perm_cordoli_TR2         26  Z   FD glo      -9.380
   287 Perm_cordoli_TR2         27  Z   FD glo      -9.380
   288 Perm_cordoli_TR2         28  Z   FD glo      -9.380
   289 Perm_cordoli_TR2         29  Z   FD glo      -9.380
   290 Perm_cordoli_TR2         30  Z   FD glo      -9.380
   291 Perm_cordoli_TR2         31  Z   FD glo      -9.380
   292 Perm_cordoli_TR2         32  Z   FD glo      -9.380
   293 Perm_cordoli_TR2         33  Z   FD glo      -9.380
   294 Perm_cordoli_TR2         34  Z   FD glo      -9.380
   295 Perm_cordoli_TR2          2  Z   FD glo      -9.380
   296 Perm_cordoli_TR2        137  Z   FD glo      -9.380
   297 Perm_cordoli_TR2          3  Z   FD glo      -9.380
   298 Perm_cordoli_TR2        138  Z   FD glo      -9.380
   299 Perm_cordoli_TR2          7  Z   FD glo      -9.380
   300 Perm_cordoli_TR2        139  Z   FD glo      -9.380
   301 Perm_cordoli_TR2          8  Z   FD glo      -9.380
   302 Perm_cordoli_TR2        140  Z   FD glo      -9.380
   303 Perm_cordoli_TR2         12  Z   FD glo      -9.380
   304 Perm_cordoli_TR2        141  Z   FD glo      -9.380
   305 Perm_cordoli_TR2         13  Z   FD glo      -9.380
   306 Perm_cordoli_TR2        142  Z   FD glo      -9.380
   307 Perm_cordoli_TR2         17  Z   FD glo      -9.380
   308 Perm_cordoli_TR2        143  Z   FD glo      -9.380
   309 Perm_cordoli_TR2         18  Z   FD glo      -9.380
   310 Perm_cordoli_TR2        144  Z   FD glo      -9.380
   311 Perm_cordolo_TR2_-        1  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
   312 Perm_cordolo_TR2_-        4  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
   313 Perm_cordolo_TR2_-        5  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
   314 Perm_cordolo_TR2_-        6  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
   315 Perm_cordolo_TR2_-        9  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
   316 Perm_cordolo_TR2_-       10  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
   317 Perm_cordolo_TR2_-       11  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
   318 Perm_cordolo_TR2_-       14  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
   319 Perm_cordolo_TR2_-       15  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
   320 Perm_cordolo_TR2_-       16  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
   321 Perm_cordolo_TR2_-       19  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
   322 Perm_cordolo_TR2_-       20  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
   323 Perm_cordolo_TR2_-       21  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
   324 Perm_cordolo_TR2_-       22  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
   325 Perm_cordolo_TR2_-       23  Rx  CD loc    -1220.0     -
1220.0       0.000       0.000
```

Allegato A

Allegato A: strutture analizzate

```
   326 Perm_cordolo_TR2_-      24  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   327 Perm_cordolo_TR2_-      25  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   328 Perm_cordolo_TR2_-      26  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   329 Perm_cordolo_TR2_-      27  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   330 Perm_cordolo_TR2_-      28  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   331 Perm_cordolo_TR2_-      29  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   332 Perm_cordolo_TR2_-      30  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   333 Perm_cordolo_TR2_-      31  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   334 Perm_cordolo_TR2_-      32  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   335 Perm_cordolo_TR2_-      33  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   336 Perm_cordolo_TR2_-      34  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   337 Perm_cordolo_TR2_-       2  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   338 Perm_cordolo_TR2_-     137  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   339 Perm_cordolo_TR2_-       3  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   340 Perm_cordolo_TR2_-     138  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   341 Perm_cordolo_TR2_-       7  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   342 Perm_cordolo_TR2_-     139  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   343 Perm_cordolo_TR2_-       8  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   344 Perm_cordolo_TR2_-     140  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   345 Perm_cordolo_TR2_-      12  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   346 Perm_cordolo_TR2_-     141  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   347 Perm_cordolo_TR2_-      13  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   348 Perm_cordolo_TR2_-     142  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   349 Perm_cordolo_TR2_-      17  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   350 Perm_cordolo_TR2_-     143  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   351 Perm_cordolo_TR2_-      18  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   352 Perm_cordolo_TR2_-     144  Rx  CD loc     -1220.0    -
1220.0      0.000      0.000
   353 Perm_pavim_TR1           35  Z   FD glo      -8.700
   354 Perm_pavim_TR1           38  Z   FD glo      -8.700
   355 Perm_pavim_TR1           39  Z   FD glo      -8.700
   356 Perm_pavim_TR1           40  Z   FD glo      -8.700
   357 Perm_pavim_TR1           43  Z   FD glo      -8.700
   358 Perm_pavim_TR1           44  Z   FD glo      -8.700
   359 Perm_pavim_TR1           45  Z   FD glo      -8.700
   360 Perm_pavim_TR1           48  Z   FD glo      -8.700
   361 Perm_pavim_TR1           49  Z   FD glo      -8.700
   362 Perm_pavim_TR1           50  Z   FD glo      -8.700
   363 Perm_pavim_TR1           53  Z   FD glo      -8.700
   364 Perm_pavim_TR1           54  Z   FD glo      -8.700
   365 Perm_pavim_TR1           55  Z   FD glo      -8.700
   366 Perm_pavim_TR1           56  Z   FD glo      -8.700
   367 Perm_pavim_TR1           57  Z   FD glo      -8.700
   368 Perm_pavim_TR1           58  Z   FD glo      -8.700
   369 Perm_pavim_TR1           59  Z   FD glo      -8.700
   370 Perm_pavim_TR1           60  Z   FD glo      -8.700
   371 Perm_pavim_TR1           61  Z   FD glo      -8.700
   372 Perm_pavim_TR1           62  Z   FD glo      -8.700
   373 Perm_pavim_TR1           63  Z   FD glo      -8.700
   374 Perm_pavim_TR1           64  Z   FD glo      -8.700
   375 Perm_pavim_TR1           65  Z   FD glo      -8.700
   376 Perm_pavim_TR1           66  Z   FD glo      -8.700
   377 Perm_pavim_TR1           67  Z   FD glo      -8.700
   378 Perm_pavim_TR1           68  Z   FD glo      -8.700
   379 Perm_pavim_TR1           36  Z   FD glo      -8.700
   380 Perm_pavim_TR1          103  Z   FD glo      -8.700
   381 Perm_pavim_TR1           37  Z   FD glo      -8.700
   382 Perm_pavim_TR1          104  Z   FD glo      -8.700
   383 Perm_pavim_TR1           41  Z   FD glo      -8.700
   384 Perm_pavim_TR1          105  Z   FD glo      -8.700
   385 Perm_pavim_TR1           42  Z   FD glo      -8.700
   386 Perm_pavim_TR1          106  Z   FD glo      -8.700
   387 Perm_pavim_TR1           46  Z   FD glo      -8.700
   388 Perm_pavim_TR1          107  Z   FD glo      -8.700
   389 Perm_pavim_TR1           47  Z   FD glo      -8.700
   390 Perm_pavim_TR1          108  Z   FD glo      -8.700
   391 Perm_pavim_TR1           51  Z   FD glo      -8.700
   392 Perm_pavim_TR1          109  Z   FD glo      -8.700
   393 Perm_pavim_TR1           52  Z   FD glo      -8.700
   394 Perm_pavim_TR1          110  Z   FD glo      -8.700
   395 Perm_pavim_TR1_+         35  Rx  CD loc       322.0
322.0      0.000      0.000
   396 Perm_pavim_TR1_+         38  Rx  CD loc       322.0
322.0      0.000      0.000
   397 Perm_pavim_TR1_+         39  Rx  CD loc       322.0
322.0      0.000      0.000
   398 Perm_pavim_TR1_+         40  Rx  CD loc       322.0
322.0      0.000      0.000
   399 Perm_pavim_TR1_+         43  Rx  CD loc       322.0
322.0      0.000      0.000
   400 Perm_pavim_TR1_+         44  Rx  CD loc       322.0
322.0      0.000      0.000
   401 Perm_pavim_TR1_+         45  Rx  CD loc       322.0
322.0      0.000      0.000
   402 Perm_pavim_TR1_+         48  Rx  CD loc       322.0
322.0      0.000      0.000
   403 Perm_pavim_TR1_+         49  Rx  CD loc       322.0
322.0      0.000      0.000
   404 Perm_pavim_TR1_+         50  Rx  CD loc       322.0
322.0      0.000      0.000
   405 Perm_pavim_TR1_+         53  Rx  CD loc       322.0
322.0      0.000      0.000
   406 Perm_pavim_TR1_+         54  Rx  CD loc       322.0
322.0      0.000      0.000
   407 Perm_pavim_TR1_+         55  Rx  CD loc       322.0
322.0      0.000      0.000
   408 Perm_pavim_TR1_+         56  Rx  CD loc       322.0
322.0      0.000      0.000
   409 Perm_pavim_TR1_+         57  Rx  CD loc       322.0
322.0      0.000      0.000
   410 Perm_pavim_TR1_+         58  Rx  CD loc       322.0
322.0      0.000      0.000
   411 Perm_pavim_TR1_+         59  Rx  CD loc       322.0
322.0      0.000      0.000
   412 Perm_pavim_TR1_+         60  Rx  CD loc       322.0
322.0      0.000      0.000
   413 Perm_pavim_TR1_+         61  Rx  CD loc       322.0
322.0      0.000      0.000
   414 Perm_pavim_TR1_+         62  Rx  CD loc       322.0
322.0      0.000      0.000
   415 Perm_pavim_TR1_+         63  Rx  CD loc       322.0
322.0      0.000      0.000
   416 Perm_pavim_TR1_+         64  Rx  CD loc       322.0
322.0      0.000      0.000
   417 Perm_pavim_TR1_+         65  Rx  CD loc       322.0
322.0      0.000      0.000
   418 Perm_pavim_TR1_+         66  Rx  CD loc       322.0
322.0      0.000      0.000
   419 Perm_pavim_TR1_+         67  Rx  CD loc       322.0
322.0      0.000      0.000
   420 Perm_pavim_TR1_+         68  Rx  CD loc       322.0
322.0      0.000      0.000
   421 Perm_pavim_TR1_+         36  Rx  CD loc       322.0
322.0      0.000      0.000
   422 Perm_pavim_TR1_+        103  Rx  CD loc       322.0
322.0      0.000      0.000
   423 Perm_pavim_TR1_+         37  Rx  CD loc       322.0
322.0      0.000      0.000
   424 Perm_pavim_TR1_+        104  Rx  CD loc       322.0
322.0      0.000      0.000
   425 Perm_pavim_TR1_+         41  Rx  CD loc       322.0
322.0      0.000      0.000
   426 Perm_pavim_TR1_+        105  Rx  CD loc       322.0
322.0      0.000      0.000
   427 Perm_pavim_TR1_+         42  Rx  CD loc       322.0
322.0      0.000      0.000
   428 Perm_pavim_TR1_+        106  Rx  CD loc       322.0
322.0      0.000      0.000
   429 Perm_pavim_TR1_+         46  Rx  CD loc       322.0
322.0      0.000      0.000
   430 Perm_pavim_TR1_+        107  Rx  CD loc       322.0
322.0      0.000      0.000
   431 Perm_pavim_TR1_+         47  Rx  CD loc       322.0
322.0      0.000      0.000
   432 Perm_pavim_TR1_+        108  Rx  CD loc       322.0
322.0      0.000      0.000
   433 Perm_pavim_TR1_+         51  Rx  CD loc       322.0
322.0      0.000      0.000
   434 Perm_pavim_TR1_+        109  Rx  CD loc       322.0
322.0      0.000      0.000
   435 Perm_pavim_TR1_+         52  Rx  CD loc       322.0
322.0      0.000      0.000
   436 Perm_pavim_TR1_+        110  Rx  CD loc       322.0
322.0      0.000      0.000
   437 Perm_pavim_TR2            1  Z   FD glo      -5.220
   438 Perm_pavim_TR2            4  Z   FD glo      -5.220
   439 Perm_pavim_TR2            5  Z   FD glo      -5.220
   440 Perm_pavim_TR2            6  Z   FD glo      -5.220
   441 Perm_pavim_TR2            9  Z   FD glo      -5.220
   442 Perm_pavim_TR2           10  Z   FD glo      -5.220
   443 Perm_pavim_TR2           11  Z   FD glo      -5.220
   444 Perm_pavim_TR2           14  Z   FD glo      -5.220
   445 Perm_pavim_TR2           15  Z   FD glo      -5.220
   446 Perm_pavim_TR2           16  Z   FD glo      -5.220
   447 Perm_pavim_TR2           19  Z   FD glo      -5.220
   448 Perm_pavim_TR2           20  Z   FD glo      -5.220
   449 Perm_pavim_TR2           21  Z   FD glo      -5.220
   450 Perm_pavim_TR2           22  Z   FD glo      -5.220
   451 Perm_pavim_TR2           23  Z   FD glo      -5.220
   452 Perm_pavim_TR2           24  Z   FD glo      -5.220
   453 Perm_pavim_TR2           25  Z   FD glo      -5.220
```

Allegato A: strutture analizzate

```
  454 Perm_pavim_TR2          26  Z   FD glo      -5.220
  455 Perm_pavim_TR2          27  Z   FD glo      -5.220
  456 Perm_pavim_TR2          28  Z   FD glo      -5.220
  457 Perm_pavim_TR2          29  Z   FD glo      -5.220
  458 Perm_pavim_TR2          30  Z   FD glo      -5.220
  459 Perm_pavim_TR2          31  Z   FD glo      -5.220
  460 Perm_pavim_TR2          32  Z   FD glo      -5.220
  461 Perm_pavim_TR2          33  Z   FD glo      -5.220
  462 Perm_pavim_TR2          34  Z   FD glo      -5.220
  463 Perm_pavim_TR2           2  Z   FD glo      -5.220
  464 Perm_pavim_TR2         137  Z   FD glo      -5.220
  465 Perm_pavim_TR2           3  Z   FD glo      -5.220
  466 Perm_pavim_TR2         138  Z   FD glo      -5.220
  467 Perm_pavim_TR2           7  Z   FD glo      -5.220
  468 Perm_pavim_TR2         139  Z   FD glo      -5.220
  469 Perm_pavim_TR2           8  Z   FD glo      -5.220
  470 Perm_pavim_TR2         140  Z   FD glo      -5.220
  471 Perm_pavim_TR2          12  Z   FD glo      -5.220
  472 Perm_pavim_TR2         141  Z   FD glo      -5.220
  473 Perm_pavim_TR2          13  Z   FD glo      -5.220
  474 Perm_pavim_TR2         142  Z   FD glo      -5.220
  475 Perm_pavim_TR2          17  Z   FD glo      -5.220
  476 Perm_pavim_TR2         143  Z   FD glo      -5.220
  477 Perm_pavim_TR2          18  Z   FD glo      -5.220
  478 Perm_pavim_TR2         144  Z   FD glo      -5.220
  479 Perm_pavim_TR2_+         1  Rx  CD loc       110.0
110.0       0.000       0.000
  480 Perm_pavim_TR2_+         4  Rx  CD loc       110.0
110.0       0.000       0.000
  481 Perm_pavim_TR2_+         5  Rx  CD loc       110.0
110.0       0.000       0.000
  482 Perm_pavim_TR2_+         6  Rx  CD loc       110.0
110.0       0.000       0.000
  483 Perm_pavim_TR2_+         9  Rx  CD loc       110.0
110.0       0.000       0.000
  484 Perm_pavim_TR2_+        10  Rx  CD loc       110.0
110.0       0.000       0.000
  485 Perm_pavim_TR2_+        11  Rx  CD loc       110.0
110.0       0.000       0.000
  486 Perm_pavim_TR2_+        14  Rx  CD loc       110.0
110.0       0.000       0.000
  487 Perm_pavim_TR2_+        15  Rx  CD loc       110.0
110.0       0.000       0.000
  488 Perm_pavim_TR2_+        16  Rx  CD loc       110.0
110.0       0.000       0.000
  489 Perm_pavim_TR2_+        19  Rx  CD loc       110.0
110.0       0.000       0.000
  490 Perm_pavim_TR2_+        20  Rx  CD loc       110.0
110.0       0.000       0.000
  491 Perm_pavim_TR2_+        21  Rx  CD loc       110.0
110.0       0.000       0.000
  492 Perm_pavim_TR2_+        22  Rx  CD loc       110.0
110.0       0.000       0.000
  493 Perm_pavim_TR2_+        23  Rx  CD loc       110.0
110.0       0.000       0.000
  494 Perm_pavim_TR2_+        24  Rx  CD loc       110.0
110.0       0.000       0.000
  495 Perm_pavim_TR2_+        25  Rx  CD loc       110.0
110.0       0.000       0.000
  496 Perm_pavim_TR2_+        26  Rx  CD loc       110.0
110.0       0.000       0.000
  497 Perm_pavim_TR2_+        27  Rx  CD loc       110.0
110.0       0.000       0.000
  498 Perm_pavim_TR2_+        28  Rx  CD loc       110.0
110.0       0.000       0.000
  499 Perm_pavim_TR2_+        29  Rx  CD loc       110.0
110.0       0.000       0.000
  500 Perm_pavim_TR2_+        30  Rx  CD loc       110.0
110.0       0.000       0.000
  501 Perm_pavim_TR2_+        31  Rx  CD loc       110.0
110.0       0.000       0.000
  502 Perm_pavim_TR2_+        32  Rx  CD loc       110.0
110.0       0.000       0.000
  503 Perm_pavim_TR2_+        33  Rx  CD loc       110.0
110.0       0.000       0.000
  504 Perm_pavim_TR2_+        34  Rx  CD loc       110.0
110.0       0.000       0.000
  505 Perm_pavim_TR2_+         2  Rx  CD loc       110.0
110.0       0.000       0.000
  506 Perm_pavim_TR2_+       137  Rx  CD loc       110.0
110.0       0.000       0.000
  507 Perm_pavim_TR2_+         3  Rx  CD loc       110.0
110.0       0.000       0.000
  508 Perm_pavim_TR2_+       138  Rx  CD loc       110.0
110.0       0.000       0.000
  509 Perm_pavim_TR2_+         7  Rx  CD loc       110.0
110.0       0.000       0.000
  510 Perm_pavim_TR2_+       139  Rx  CD loc       110.0
110.0       0.000       0.000
  511 Perm_pavim_TR2_+         8  Rx  CD loc       110.0
110.0       0.000       0.000
  512 Perm_pavim_TR2_+       140  Rx  CD loc       110.0
110.0       0.000       0.000
  513 Perm_pavim_TR2_+        12  Rx  CD loc       110.0
110.0       0.000       0.000
  514 Perm_pavim_TR2_+       141  Rx  CD loc       110.0
110.0       0.000       0.000
  515 Perm_pavim_TR2_+        13  Rx  CD loc       110.0
110.0       0.000       0.000
```

```
  516 Perm_pavim_TR2_+       142  Rx  CD loc       110.0
110.0       0.000       0.000
  517 Perm_pavim_TR2_+        17  Rx  CD loc       110.0
110.0       0.000       0.000
  518 Perm_pavim_TR2_+       143  Rx  CD loc       110.0
110.0       0.000       0.000
  519 Perm_pavim_TR2_+        18  Rx  CD loc       110.0
110.0       0.000       0.000
  520 Perm_pavim_TR2_+       144  Rx  CD loc       110.0
110.0       0.000       0.000
  521 Perm_sicurvia_TR2        1  Z   FD glo      -1.500
  522 Perm_sicurvia_TR2        4  Z   FD glo      -1.500
  523 Perm_sicurvia_TR2        5  Z   FD glo      -1.500
  524 Perm_sicurvia_TR2        6  Z   FD glo      -1.500
  525 Perm_sicurvia_TR2        9  Z   FD glo      -1.500
  526 Perm_sicurvia_TR2       10  Z   FD glo      -1.500
  527 Perm_sicurvia_TR2       11  Z   FD glo      -1.500
  528 Perm_sicurvia_TR2       14  Z   FD glo      -1.500
  529 Perm_sicurvia_TR2       15  Z   FD glo      -1.500
  530 Perm_sicurvia_TR2       16  Z   FD glo      -1.500
  531 Perm_sicurvia_TR2       19  Z   FD glo      -1.500
  532 Perm_sicurvia_TR2       20  Z   FD glo      -1.500
  533 Perm_sicurvia_TR2       21  Z   FD glo      -1.500
  534 Perm_sicurvia_TR2       22  Z   FD glo      -1.500
  535 Perm_sicurvia_TR2       23  Z   FD glo      -1.500
  536 Perm_sicurvia_TR2       24  Z   FD glo      -1.500
  537 Perm_sicurvia_TR2       25  Z   FD glo      -1.500
  538 Perm_sicurvia_TR2       26  Z   FD glo      -1.500
  539 Perm_sicurvia_TR2       27  Z   FD glo      -1.500
  540 Perm_sicurvia_TR2       28  Z   FD glo      -1.500
  541 Perm_sicurvia_TR2       29  Z   FD glo      -1.500
  542 Perm_sicurvia_TR2       30  Z   FD glo      -1.500
  543 Perm_sicurvia_TR2       31  Z   FD glo      -1.500
  544 Perm_sicurvia_TR2       32  Z   FD glo      -1.500
  545 Perm_sicurvia_TR2       33  Z   FD glo      -1.500
  546 Perm_sicurvia_TR2       34  Z   FD glo      -1.500
  547 Perm_sicurvia_TR2        2  Z   FD glo      -1.500
  548 Perm_sicurvia_TR2      137  Z   FD glo      -1.500
  549 Perm_sicurvia_TR2        3  Z   FD glo      -1.500
  550 Perm_sicurvia_TR2      138  Z   FD glo      -1.500
  551 Perm_sicurvia_TR2        7  Z   FD glo      -1.500
  552 Perm_sicurvia_TR2      139  Z   FD glo      -1.500
  553 Perm_sicurvia_TR2        8  Z   FD glo      -1.500
  554 Perm_sicurvia_TR2      140  Z   FD glo      -1.500
  555 Perm_sicurvia_TR2       12  Z   FD glo      -1.500
  556 Perm_sicurvia_TR2      141  Z   FD glo      -1.500
  557 Perm_sicurvia_TR2       13  Z   FD glo      -1.500
  558 Perm_sicurvia_TR2      142  Z   FD glo      -1.500
  559 Perm_sicurvia_TR2       17  Z   FD glo      -1.500
  560 Perm_sicurvia_TR2      143  Z   FD glo      -1.500
  561 Perm_sicurvia_TR2       18  Z   FD glo      -1.500
  562 Perm_sicurvia_TR2      144  Z   FD glo      -1.500
  563 Perm_sicurvia_TR2_-      1  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  564 Perm_sicurvia_TR2_-      4  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  565 Perm_sicurvia_TR2_-      5  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  566 Perm_sicurvia_TR2_-      6  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  567 Perm_sicurvia_TR2_-      9  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  568 Perm_sicurvia_TR2_-     10  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  569 Perm_sicurvia_TR2_-     11  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  570 Perm_sicurvia_TR2_-     14  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  571 Perm_sicurvia_TR2_-     15  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  572 Perm_sicurvia_TR2_-     16  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  573 Perm_sicurvia_TR2_-     19  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  574 Perm_sicurvia_TR2_-     20  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  575 Perm_sicurvia_TR2_-     21  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  576 Perm_sicurvia_TR2_-     22  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  577 Perm_sicurvia_TR2_-     23  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  578 Perm_sicurvia_TR2_-     24  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  579 Perm_sicurvia_TR2_-     25  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  580 Perm_sicurvia_TR2_-     26  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  581 Perm_sicurvia_TR2_-     27  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  582 Perm_sicurvia_TR2_-     28  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  583 Perm_sicurvia_TR2_-     29  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  584 Perm_sicurvia_TR2_-     30  Rx  CD loc      -171.0      -
171.0       0.000       0.000
  585 Perm_sicurvia_TR2_-     31  Rx  CD loc      -171.0      -
171.0       0.000       0.000
```

Allegato A: strutture analizzate

586	Perm_sicurvia_TR2_-	32	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	656	Perm_rete_TR2_-	16	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
587	Perm_sicurvia_TR2_-	33	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	657	Perm_rete_TR2_-	19	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
588	Perm_sicurvia_TR2_-	34	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	658	Perm_rete_TR2_-	20	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
589	Perm_sicurvia_TR2_-	2	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	659	Perm_rete_TR2_-	21	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
590	Perm_sicurvia_TR2_-	137	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	660	Perm_rete_TR2_-	22	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
591	Perm_sicurvia_TR2_-	3	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	661	Perm_rete_TR2_-	23	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
592	Perm_sicurvia_TR2_-	138	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	662	Perm_rete_TR2_-	24	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
593	Perm_sicurvia_TR2_-	7	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	663	Perm_rete_TR2_-	25	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
594	Perm_sicurvia_TR2_-	139	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	664	Perm_rete_TR2_-	26	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
595	Perm_sicurvia_TR2_-	8	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	665	Perm_rete_TR2_-	27	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
596	Perm_sicurvia_TR2_-	140	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	666	Perm_rete_TR2_-	28	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
597	Perm_sicurvia_TR2_-	12	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	667	Perm_rete_TR2_-	29	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
598	Perm_sicurvia_TR2_-	141	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	668	Perm_rete_TR2_-	30	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
599	Perm_sicurvia_TR2_-	13	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	669	Perm_rete_TR2_-	31	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
600	Perm_sicurvia_TR2_-	142	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	670	Perm_rete_TR2_-	32	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
601	Perm_sicurvia_TR2_-	17	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	671	Perm_rete_TR2_-	33	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
602	Perm_sicurvia_TR2_-	143	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	672	Perm_rete_TR2_-	34	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
603	Perm_sicurvia_TR2_-	18	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	673	Perm_rete_TR2_-	2	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
604	Perm_sicurvia_TR2_-	144	Rx	CD	loc	-171.0	-	171.0	0.000	0.000	674	Perm_rete_TR2_-	137	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
605	Perm_rete_TR2	1	Z	FD	glo	-1.500					675	Perm_rete_TR2_-	3	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
606	Perm_rete_TR2	4	Z	FD	glo	-1.500					676	Perm_rete_TR2_-	138	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
607	Perm_rete_TR2	5	Z	FD	glo	-1.500					677	Perm_rete_TR2_-	7	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
608	Perm_rete_TR2	6	Z	FD	glo	-1.500					678	Perm_rete_TR2_-	139	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
609	Perm_rete_TR2	9	Z	FD	glo	-1.500					679	Perm_rete_TR2_-	8	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
610	Perm_rete_TR2	10	Z	FD	glo	-1.500					680	Perm_rete_TR2_-	140	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
611	Perm_rete_TR2	11	Z	FD	glo	-1.500					681	Perm_rete_TR2_-	12	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
612	Perm_rete_TR2	14	Z	FD	glo	-1.500					682	Perm_rete_TR2_-	141	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
613	Perm_rete_TR2	15	Z	FD	glo	-1.500					683	Perm_rete_TR2_-	13	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
614	Perm_rete_TR2	16	Z	FD	glo	-1.500					684	Perm_rete_TR2_-	142	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
615	Perm_rete_TR2	19	Z	FD	glo	-1.500					685	Perm_rete_TR2_-	17	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
616	Perm_rete_TR2	20	Z	FD	glo	-1.500					686	Perm_rete_TR2_-	143	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
617	Perm_rete_TR2	21	Z	FD	glo	-1.500					687	Perm_rete_TR2_-	18	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
618	Perm_rete_TR2	22	Z	FD	glo	-1.500					688	Perm_rete_TR2_-	144	Rx	CD	loc	-296.0	-	296.0	0.000	0.000
619	Perm_rete_TR2	23	Z	FD	glo	-1.500					689	Var_C1_TR1	35	Z	FD	glo	-7.251				
620	Perm_rete_TR2	24	Z	FD	glo	-1.500					690	Var_C1_TR1	38	Z	FD	glo	-7.251				
621	Perm_rete_TR2	25	Z	FD	glo	-1.500					691	Var_C1_TR1	39	Z	FD	glo	-7.251				
622	Perm_rete_TR2	26	Z	FD	glo	-1.500					692	Var_C1_TR1	40	Z	FD	glo	-7.251				
623	Perm_rete_TR2	27	Z	FD	glo	-1.500					693	Var_C1_TR1	43	Z	FD	glo	-7.251				
624	Perm_rete_TR2	28	Z	FD	glo	-1.500					694	Var_C1_TR1	44	Z	FD	glo	-7.251				
625	Perm_rete_TR2	29	Z	FD	glo	-1.500					695	Var_C1_TR1	45	Z	FD	glo	-7.251				
626	Perm_rete_TR2	30	Z	FD	glo	-1.500					696	Var_C1_TR1	48	Z	FD	glo	-7.251				
627	Perm_rete_TR2	31	Z	FD	glo	-1.500					697	Var_C1_TR1	49	Z	FD	glo	-7.251				
628	Perm_rete_TR2	32	Z	FD	glo	-1.500					698	Var_C1_TR1	50	Z	FD	glo	-7.251				
629	Perm_rete_TR2	33	Z	FD	glo	-1.500					699	Var_C1_TR1	53	Z	FD	glo	-7.251				
630	Perm_rete_TR2	34	Z	FD	glo	-1.500					700	Var_C1_TR1	54	Z	FD	glo	-7.251				
631	Perm_rete_TR2	2	Z	FD	glo	-1.500					701	Var_C1_TR1	55	Z	FD	glo	-7.251				
632	Perm_rete_TR2	137	Z	FD	glo	-1.500					702	Var_C1_TR1	56	Z	FD	glo	-7.251				
633	Perm_rete_TR2	3	Z	FD	glo	-1.500					703	Var_C1_TR1	57	Z	FD	glo	-7.251				
634	Perm_rete_TR2	138	Z	FD	glo	-1.500					704	Var_C1_TR1	58	Z	FD	glo	-7.251				
635	Perm_rete_TR2	7	Z	FD	glo	-1.500					705	Var_C1_TR1	59	Z	FD	glo	-7.251				
636	Perm_rete_TR2	139	Z	FD	glo	-1.500					706	Var_C1_TR1	60	Z	FD	glo	-7.251				
637	Perm_rete_TR2	8	Z	FD	glo	-1.500					707	Var_C1_TR1	61	Z	FD	glo	-7.251				
638	Perm_rete_TR2	140	Z	FD	glo	-1.500					708	Var_C1_TR1	62	Z	FD	glo	-7.251				
639	Perm_rete_TR2	12	Z	FD	glo	-1.500					709	Var_C1_TR1	63	Z	FD	glo	-7.251				
640	Perm_rete_TR2	141	Z	FD	glo	-1.500					710	Var_C1_TR1	64	Z	FD	glo	-7.251				
641	Perm_rete_TR2	13	Z	FD	glo	-1.500					711	Var_C1_TR1	65	Z	FD	glo	-7.251				
642	Perm_rete_TR2	142	Z	FD	glo	-1.500					712	Var_C1_TR1	66	Z	FD	glo	-7.251				
643	Perm_rete_TR2	17	Z	FD	glo	-1.500					713	Var_C1_TR1	67	Z	FD	glo	-7.251				
644	Perm_rete_TR2	143	Z	FD	glo	-1.500					714	Var_C1_TR1	68	Z	FD	glo	-7.251				
645	Perm_rete_TR2	18	Z	FD	glo	-1.500					715	Var_C1_TR1	36	Z	FD	glo	-7.251				
646	Perm_rete_TR2	144	Z	FD	glo	-1.500					716	Var_C1_TR1	103	Z	FD	glo	-7.251				
647	Perm_rete_TR2_-	1	Rx	CD	loc	-296.0	-	296.0	0.000	0.000	717	Var_C1_TR1	37	Z	FD	glo	-7.251				
648	Perm_rete_TR2_-	4	Rx	CD	loc	-296.0	-	296.0	0.000	0.000	718	Var_C1_TR1	104	Z	FD	glo	-7.251				
649	Perm_rete_TR2_-	5	Rx	CD	loc	-296.0	-	296.0	0.000	0.000	719	Var_C1_TR1	41	Z	FD	glo	-7.251				
650	Perm_rete_TR2_-	6	Rx	CD	loc	-296.0	-	296.0	0.000	0.000	720	Var_C1_TR1	105	Z	FD	glo	-7.251				
651	Perm_rete_TR2_-	9	Rx	CD	loc	-296.0	-	296.0	0.000	0.000	721	Var_C1_TR1	42	Z	FD	glo	-7.251				
652	Perm_rete_TR2_-	10	Rx	CD	loc	-296.0	-	296.0	0.000	0.000											
653	Perm_rete_TR2_-	11	Rx	CD	loc	-296.0	-	296.0	0.000	0.000											
654	Perm_rete_TR2_-	14	Rx	CD	loc	-296.0	-	296.0	0.000	0.000											
655	Perm_rete_TR2_-	15	Rx	CD	loc	-296.0	-	296.0	0.000	0.000											

Allegato A

Allegato A: strutture analizzate

```
   722 Var_C1_TR1              106  Z   FD glo      -7.251
   723 Var_C1_TR1               46  Z   FD glo      -7.251
   724 Var_C1_TR1              107  Z   FD glo      -7.251
   725 Var_C1_TR1               47  Z   FD glo      -7.251
   726 Var_C1_TR1              108  Z   FD glo      -7.251
   727 Var_C1_TR1               51  Z   FD glo      -7.251
   728 Var_C1_TR1              109  Z   FD glo      -7.251
   729 Var_C1_TR1               52  Z   FD glo      -7.251
   730 Var_C1_TR1              110  Z   FD glo      -7.251
   731 Var_C1_TR1_+             35  Rx  CD loc       268.4
268.4      0.000      0.000
   732 Var_C1_TR1_+             38  Rx  CD loc       268.4
268.4      0.000      0.000
   733 Var_C1_TR1_+             39  Rx  CD loc       268.4
268.4      0.000      0.000
   734 Var_C1_TR1_+             40  Rx  CD loc       268.4
268.4      0.000      0.000
   735 Var_C1_TR1_+             43  Rx  CD loc       268.4
268.4      0.000      0.000
   736 Var_C1_TR1_+             44  Rx  CD loc       268.4
268.4      0.000      0.000
   737 Var_C1_TR1_+             45  Rx  CD loc       268.4
268.4      0.000      0.000
   738 Var_C1_TR1_+             48  Rx  CD loc       268.4
268.4      0.000      0.000
   739 Var_C1_TR1_+             49  Rx  CD loc       268.4
268.4      0.000      0.000
   740 Var_C1_TR1_+             50  Rx  CD loc       268.4
268.4      0.000      0.000
   741 Var_C1_TR1_+             53  Rx  CD loc       268.4
268.4      0.000      0.000
   742 Var_C1_TR1_+             54  Rx  CD loc       268.4
268.4      0.000      0.000
   743 Var_C1_TR1_+             55  Rx  CD loc       268.4
268.4      0.000      0.000
   744 Var_C1_TR1_+             56  Rx  CD loc       268.4
268.4      0.000      0.000
   745 Var_C1_TR1_+             57  Rx  CD loc       268.4
268.4      0.000      0.000
   746 Var_C1_TR1_+             58  Rx  CD loc       268.4
268.4      0.000      0.000
   747 Var_C1_TR1_+             59  Rx  CD loc       268.4
268.4      0.000      0.000
   748 Var_C1_TR1_+             60  Rx  CD loc       268.4
268.4      0.000      0.000
   749 Var_C1_TR1_+             61  Rx  CD loc       268.4
268.4      0.000      0.000
   750 Var_C1_TR1_+             62  Rx  CD loc       268.4
268.4      0.000      0.000
   751 Var_C1_TR1_+             63  Rx  CD loc       268.4
268.4      0.000      0.000
   752 Var_C1_TR1_+             64  Rx  CD loc       268.4
268.4      0.000      0.000
   753 Var_C1_TR1_+             65  Rx  CD loc       268.4
268.4      0.000      0.000
   754 Var_C1_TR1_+             66  Rx  CD loc       268.4
268.4      0.000      0.000
   755 Var_C1_TR1_+             67  Rx  CD loc       268.4
268.4      0.000      0.000
   756 Var_C1_TR1_+             68  Rx  CD loc       268.4
268.4      0.000      0.000
   757 Var_C1_TR1_+             36  Rx  CD loc       268.4
268.4      0.000      0.000
   758 Var_C1_TR1_+            103  Rx  CD loc       268.4
268.4      0.000      0.000
   759 Var_C1_TR1_+             37  Rx  CD loc       268.4
268.4      0.000      0.000
   760 Var_C1_TR1_+            104  Rx  CD loc       268.4
268.4      0.000      0.000
   761 Var_C1_TR1_+             41  Rx  CD loc       268.4
268.4      0.000      0.000
   762 Var_C1_TR1_+            105  Rx  CD loc       268.4
268.4      0.000      0.000
   763 Var_C1_TR1_+             42  Rx  CD loc       268.4
268.4      0.000      0.000
   764 Var_C1_TR1_+            106  Rx  CD loc       268.4
268.4      0.000      0.000
   765 Var_C1_TR1_+             46  Rx  CD loc       268.4
268.4      0.000      0.000
   766 Var_C1_TR1_+            107  Rx  CD loc       268.4
268.4      0.000      0.000
   767 Var_C1_TR1_+             47  Rx  CD loc       268.4
268.4      0.000      0.000
   768 Var_C1_TR1_+            108  Rx  CD loc       268.4
268.4      0.000      0.000
   769 Var_C1_TR1_+             51  Rx  CD loc       268.4
268.4      0.000      0.000
   770 Var_C1_TR1_+            109  Rx  CD loc       268.4
268.4      0.000      0.000
   771 Var_C1_TR1_+             52  Rx  CD loc       268.4
268.4      0.000      0.000
   772 Var_C1_TR1_+            110  Rx  CD loc       268.4
268.4      0.000      0.000
   773 Var_C1_TR2                1  Z   FD glo      -0.250
   774 Var_C1_TR2                4  Z   FD glo      -0.250
   775 Var_C1_TR2                5  Z   FD glo      -0.250
   776 Var_C1_TR2                6  Z   FD glo      -0.250
   777 Var_C1_TR2                9  Z   FD glo      -0.250
   778 Var_C1_TR2               10  Z   FD glo      -0.250
   779 Var_C1_TR2               11  Z   FD glo      -0.250
   780 Var_C1_TR2               14  Z   FD glo      -0.250
   781 Var_C1_TR2               15  Z   FD glo      -0.250
   782 Var_C1_TR2               16  Z   FD glo      -0.250
   783 Var_C1_TR2               19  Z   FD glo      -0.250
   784 Var_C1_TR2               20  Z   FD glo      -0.250
   785 Var_C1_TR2               21  Z   FD glo      -0.250
   786 Var_C1_TR2               22  Z   FD glo      -0.250
   787 Var_C1_TR2               23  Z   FD glo      -0.250
   788 Var_C1_TR2               24  Z   FD glo      -0.250
   789 Var_C1_TR2               25  Z   FD glo      -0.250
   790 Var_C1_TR2               26  Z   FD glo      -0.250
   791 Var_C1_TR2               27  Z   FD glo      -0.250
   792 Var_C1_TR2               28  Z   FD glo      -0.250
   793 Var_C1_TR2               29  Z   FD glo      -0.250
   794 Var_C1_TR2               30  Z   FD glo      -0.250
   795 Var_C1_TR2               31  Z   FD glo      -0.250
   796 Var_C1_TR2               32  Z   FD glo      -0.250
   797 Var_C1_TR2               33  Z   FD glo      -0.250
   798 Var_C1_TR2               34  Z   FD glo      -0.250
   799 Var_C1_TR2                2  Z   FD glo      -0.250
   800 Var_C1_TR2              137  Z   FD glo      -0.250
   801 Var_C1_TR2                3  Z   FD glo      -0.250
   802 Var_C1_TR2              138  Z   FD glo      -0.250
   803 Var_C1_TR2                7  Z   FD glo      -0.250
   804 Var_C1_TR2              139  Z   FD glo      -0.250
   805 Var_C1_TR2                8  Z   FD glo      -0.250
   806 Var_C1_TR2              140  Z   FD glo      -0.250
   807 Var_C1_TR2               12  Z   FD glo      -0.250
   808 Var_C1_TR2              141  Z   FD glo      -0.250
   809 Var_C1_TR2               13  Z   FD glo      -0.250
   810 Var_C1_TR2              142  Z   FD glo      -0.250
   811 Var_C1_TR2               17  Z   FD glo      -0.250
   812 Var_C1_TR2              143  Z   FD glo      -0.250
   813 Var_C1_TR2               18  Z   FD glo      -0.250
   814 Var_C1_TR2              144  Z   FD glo      -0.250
   815 Var_C1_TR2_+              1  Rx  CD loc        25.8
25.8       0.000      0.000
   816 Var_C1_TR2_+              4  Rx  CD loc        25.8
25.8       0.000      0.000
   817 Var_C1_TR2_+              5  Rx  CD loc        25.8
25.8       0.000      0.000
   818 Var_C1_TR2_+              6  Rx  CD loc        25.8
25.8       0.000      0.000
   819 Var_C1_TR2_+              9  Rx  CD loc        25.8
25.8       0.000      0.000
   820 Var_C1_TR2_+             10  Rx  CD loc        25.8
25.8       0.000      0.000
   821 Var_C1_TR2_+             11  Rx  CD loc        25.8
25.8       0.000      0.000
   822 Var_C1_TR2_+             14  Rx  CD loc        25.8
25.8       0.000      0.000
   823 Var_C1_TR2_+             15  Rx  CD loc        25.8
25.8       0.000      0.000
   824 Var_C1_TR2_+             16  Rx  CD loc        25.8
25.8       0.000      0.000
   825 Var_C1_TR2_+             19  Rx  CD loc        25.8
25.8       0.000      0.000
   826 Var_C1_TR2_+             20  Rx  CD loc        25.8
25.8       0.000      0.000
   827 Var_C1_TR2_+             21  Rx  CD loc        25.8
25.8       0.000      0.000
   828 Var_C1_TR2_+             22  Rx  CD loc        25.8
25.8       0.000      0.000
   829 Var_C1_TR2_+             23  Rx  CD loc        25.8
25.8       0.000      0.000
   830 Var_C1_TR2_+             24  Rx  CD loc        25.8
25.8       0.000      0.000
   831 Var_C1_TR2_+             25  Rx  CD loc        25.8
25.8       0.000      0.000
   832 Var_C1_TR2_+             26  Rx  CD loc        25.8
25.8       0.000      0.000
   833 Var_C1_TR2_+             27  Rx  CD loc        25.8
25.8       0.000      0.000
   834 Var_C1_TR2_+             28  Rx  CD loc        25.8
25.8       0.000      0.000
   835 Var_C1_TR2_+             29  Rx  CD loc        25.8
25.8       0.000      0.000
   836 Var_C1_TR2_+             30  Rx  CD loc        25.8
25.8       0.000      0.000
   837 Var_C1_TR2_+             31  Rx  CD loc        25.8
25.8       0.000      0.000
   838 Var_C1_TR2_+             32  Rx  CD loc        25.8
25.8       0.000      0.000
   839 Var_C1_TR2_+             33  Rx  CD loc        25.8
25.8       0.000      0.000
   840 Var_C1_TR2_+             34  Rx  CD loc        25.8
25.8       0.000      0.000
   841 Var_C1_TR2_+              2  Rx  CD loc        25.8
25.8       0.000      0.000
   842 Var_C1_TR2_+            137  Rx  CD loc        25.8
25.8       0.000      0.000
   843 Var_C1_TR2_+              3  Rx  CD loc        25.8
25.8       0.000      0.000
   844 Var_C1_TR2_+            138  Rx  CD loc        25.8
25.8       0.000      0.000
   845 Var_C1_TR2_+              7  Rx  CD loc        25.8
25.8       0.000      0.000
```

Allegato A: strutture analizzate

```
   846 Var_C1_TR2_+              139  Rx  CD loc        25.8
25.8      0.000      0.000
   847 Var_C1_TR2_+                8  Rx  CD loc        25.8
25.8      0.000      0.000
   848 Var_C1_TR2_+              140  Rx  CD loc        25.8
25.8      0.000      0.000
   849 Var_C1_TR2_+               12  Rx  CD loc        25.8
25.8      0.000      0.000
   850 Var_C1_TR2_+              141  Rx  CD loc        25.8
25.8      0.000      0.000
   851 Var_C1_TR2_+               13  Rx  CD loc        25.8
25.8      0.000      0.000
   852 Var_C1_TR2_+              142  Rx  CD loc        25.8
25.8      0.000      0.000
   853 Var_C1_TR2_+               17  Rx  CD loc        25.8
25.8      0.000      0.000
   854 Var_C1_TR2_+              143  Rx  CD loc        25.8
25.8      0.000      0.000
   855 Var_C1_TR2_+               18  Rx  CD loc        25.8
25.8      0.000      0.000
   856 Var_C1_TR2_+              144  Rx  CD loc        25.8
25.8      0.000      0.000
   857 Var_AR_TR2                  1  Z   FD glo      -7.250
   858 Var_AR_TR2                  4  Z   FD glo      -7.250
   859 Var_AR_TR2                  5  Z   FD glo      -7.250
   860 Var_AR_TR2                  6  Z   FD glo      -7.250
   861 Var_AR_TR2                  9  Z   FD glo      -7.250
   862 Var_AR_TR2                 10  Z   FD glo      -7.250
   863 Var_AR_TR2                 11  Z   FD glo      -7.250
   864 Var_AR_TR2                 14  Z   FD glo      -7.250
   865 Var_AR_TR2                 15  Z   FD glo      -7.250
   866 Var_AR_TR2                 16  Z   FD glo      -7.250
   867 Var_AR_TR2                 19  Z   FD glo      -7.250
   868 Var_AR_TR2                 20  Z   FD glo      -7.250
   869 Var_AR_TR2                 21  Z   FD glo      -7.250
   870 Var_AR_TR2                 22  Z   FD glo      -7.250
   871 Var_AR_TR2                 23  Z   FD glo      -7.250
   872 Var_AR_TR2                 24  Z   FD glo      -7.250
   873 Var_AR_TR2                 25  Z   FD glo      -7.250
   874 Var_AR_TR2                 26  Z   FD glo      -7.250
   875 Var_AR_TR2                 27  Z   FD glo      -7.250
   876 Var_AR_TR2                 28  Z   FD glo      -7.250
   877 Var_AR_TR2                 29  Z   FD glo      -7.250
   878 Var_AR_TR2                 30  Z   FD glo      -7.250
   879 Var_AR_TR2                 31  Z   FD glo      -7.250
   880 Var_AR_TR2                 32  Z   FD glo      -7.250
   881 Var_AR_TR2                 33  Z   FD glo      -7.250
   882 Var_AR_TR2                 34  Z   FD glo      -7.250
   883 Var_AR_TR2                  2  Z   FD glo      -7.250
   884 Var_AR_TR2                137  Z   FD glo      -7.250
   885 Var_AR_TR2                  3  Z   FD glo      -7.250
   886 Var_AR_TR2                138  Z   FD glo      -7.250
   887 Var_AR_TR2                  7  Z   FD glo      -7.250
   888 Var_AR_TR2                139  Z   FD glo      -7.250
   889 Var_AR_TR2                  8  Z   FD glo      -7.250
   890 Var_AR_TR2                140  Z   FD glo      -7.250
   891 Var_AR_TR2                 12  Z   FD glo      -7.250
   892 Var_AR_TR2                141  Z   FD glo      -7.250
   893 Var_AR_TR2                 13  Z   FD glo      -7.250
   894 Var_AR_TR2                142  Z   FD glo      -7.250
   895 Var_AR_TR2                 17  Z   FD glo      -7.250
   896 Var_AR_TR2                143  Z   FD glo      -7.250
   897 Var_AR_TR2                 18  Z   FD glo      -7.250
   898 Var_AR_TR2                144  Z   FD glo      -7.250
   899 Var_AR_TR2_-                1  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   900 Var_AR_TR2_-                4  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   901 Var_AR_TR2_-                5  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   902 Var_AR_TR2_-                6  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   903 Var_AR_TR2_-                9  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   904 Var_AR_TR2_-               10  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   905 Var_AR_TR2_-               11  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   906 Var_AR_TR2_-               14  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   907 Var_AR_TR2_-               15  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   908 Var_AR_TR2_-               16  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   909 Var_AR_TR2_-               19  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   910 Var_AR_TR2_-               20  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   911 Var_AR_TR2_-               21  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   912 Var_AR_TR2_-               22  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   913 Var_AR_TR2_-               23  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   914 Var_AR_TR2_-               24  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   915 Var_AR_TR2_-               25  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   916 Var_AR_TR2_-               26  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   917 Var_AR_TR2_-               27  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   918 Var_AR_TR2_-               28  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   919 Var_AR_TR2_-               29  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   920 Var_AR_TR2_-               30  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   921 Var_AR_TR2_-               31  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   922 Var_AR_TR2_-               32  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   923 Var_AR_TR2_-               33  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   924 Var_AR_TR2_-               34  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   925 Var_AR_TR2_-                2  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   926 Var_AR_TR2_-              137  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   927 Var_AR_TR2_-                3  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   928 Var_AR_TR2_-              138  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   929 Var_AR_TR2_-                7  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   930 Var_AR_TR2_-              139  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   931 Var_AR_TR2_-                8  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   932 Var_AR_TR2_-              140  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   933 Var_AR_TR2_-               12  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   934 Var_AR_TR2_-              141  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   935 Var_AR_TR2_-               13  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   936 Var_AR_TR2_-              142  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   937 Var_AR_TR2_-               17  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   938 Var_AR_TR2_-              143  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   939 Var_AR_TR2_-               18  Rx  CD loc      -341.0     -
341.0      0.000      0.000
   940 Var_AR_TR2_-              144  Rx  CD loc      -341.0     -
341.0      0.000      0.000

PESI PROPRI ASTE--|-----------|-----------|-----------|-----------
|-----------|
  Cond.  Nome Carichi          Aste
     2   941-942              101-102

CARICHI DI LINEA   |-----------|-----------|-----------|----------
-|num.=      0
            numero coordinata                        Intensità
  Nome     inizio       fine   Cond. Direz.   inizio        fine
Descrizione

CONDIZIONI DI CARICO----------|-----------|-----------|-----------
|num.=     17
  Nome
     1   Peso_proprio_travi   N. carichi:   84
         Lista carichi: 17-100

     2   Peso_proprio_soletta   N. carichi:  170
         Lista carichi: 101-268, 941-942

     3         Perm_cordoli   N. carichi:   84
         Lista carichi: 269-352

     4   Perm_pavimentazione   N. carichi:  168
         Lista carichi: 353-520

     5        Perm_sicurvia   N. carichi:   84
         Lista carichi: 521-604

     6   Perm_rete_e_veletta   N. carichi:   84
         Lista carichi: 605-688

     7             Distr_C1   N. carichi:  168
         Lista carichi: 689-856

     8             Distr_C2   N. carichi:    0
         Lista carichi:

     9   Distr_Area_rimanent   N. carichi:   84
         Lista carichi: 857-940

    10              Q_C1_MM   N. carichi:    4
         Lista carichi: 1-4

    11              Q_C1_MV   N. carichi:    4
         Lista carichi: 5-8

    12              Q_C1_VM   N. carichi:    4
```

Allegato A

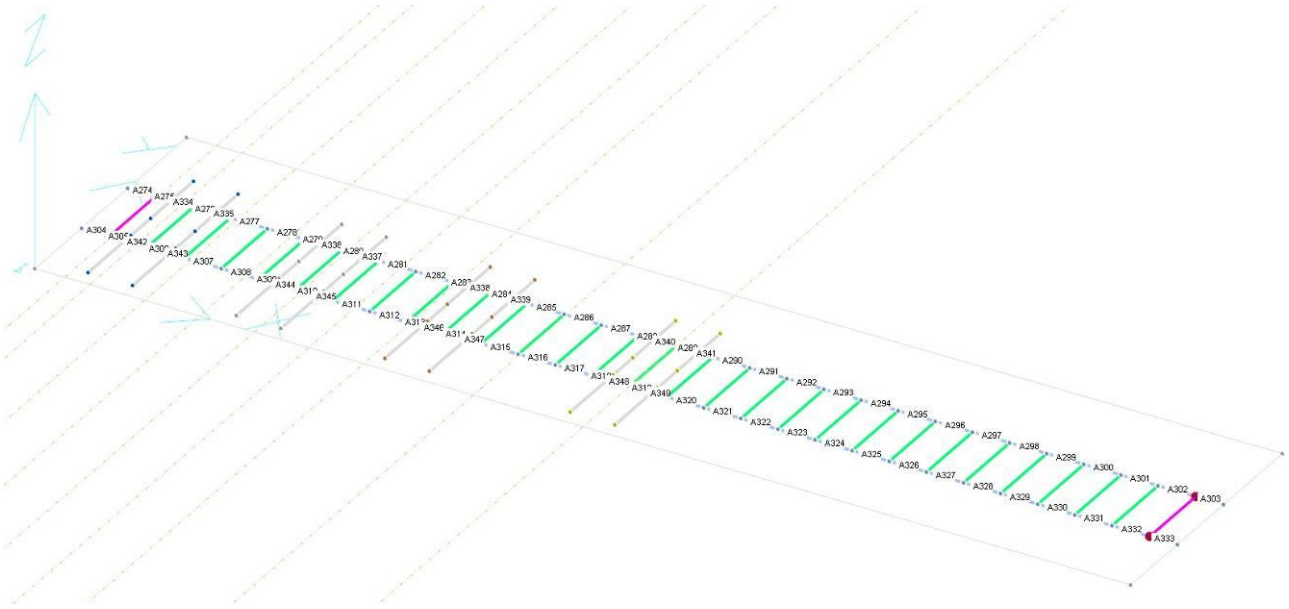
Allegato A: strutture analizzate

```
        Lista carichi: 9-12

    13              Q_C1_VV   N. carichi:    4
        Lista carichi: 13-16

    14              Q_C2_MM   N. carichi:    0
        Lista carichi:

    15              Q_C2_MV   N. carichi:    0
        Lista carichi:

    16              Q_C2_VM   N. carichi:    0
        Lista carichi:

    17              Q_C2_VV   N. carichi:    0
        Lista carichi:

  RISULTANTI DEI CARICHI (punto di applicazione nell'origine degli
assi):
  cond.         FX            FY            FZ            MX
MY            MZ
     1  0.000000E+00  0.000000E+00 -1.425940E+05 -4.192264E+07
2.449765E+08  0.000000E+00
     2  0.000000E+00  0.000000E+00 -1.942229E+05 -5.801122E+07
3.336750E+08  0.000000E+00
     3  0.000000E+00  0.000000E+00 -3.222968E+04 -1.713214E+07
5.537059E+07  0.000000E+00
     4  0.000000E+00  0.000000E+00 -4.782912E+04 -1.129200E+07
8.217043E+07  0.000000E+00
     5  0.000000E+00  0.000000E+00 -5.154000E+03 -2.656887E+06
8.854572E+06  0.000000E+00
     6  0.000000E+00  0.000000E+00 -5.154000E+03 -3.086387E+06
8.854572E+06  0.000000E+00
     7  0.000000E+00  0.000000E+00 -2.577206E+04 -3.980352E+06
4.427640E+07  0.000000E+00
     8  0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00
0.000000E+00  0.000000E+00
     9  0.000000E+00  0.000000E+00 -2.491100E+04 -1.117344E+07
4.279710E+07  0.000000E+00
    10  0.000000E+00  0.000000E+00 -4.000200E+04 -6.000300E+06
6.872344E+07  0.000000E+00
    11  0.000000E+00  0.000000E+00 -4.000200E+04 -6.000300E+06
4.872244E+07  0.000000E+00
    12  0.000000E+00  0.000000E+00 -4.000200E+04 -6.000300E+06
2.872144E+07  0.000000E+00
    13  0.000000E+00  0.000000E+00 -4.000200E+04 -6.000300E+06
8.720436E+06  0.000000E+00
    14  0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00
0.000000E+00  0.000000E+00
    15  0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00
0.000000E+00  0.000000E+00
    16  0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00
0.000000E+00  0.000000E+00
    17  0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00
0.000000E+00  0.000000E+00
```

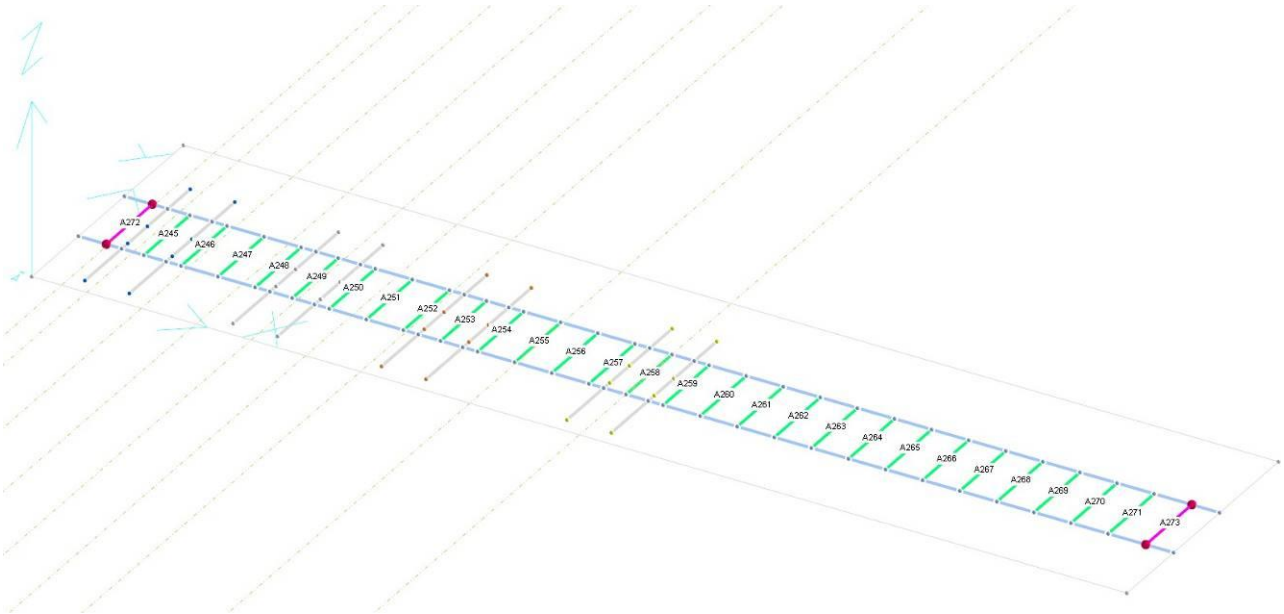
3. Allegato A - Struttura analizzata – Rampa S – Allineamenti [P5S – P6S]

3.1 MELAS3 – Modello struttura

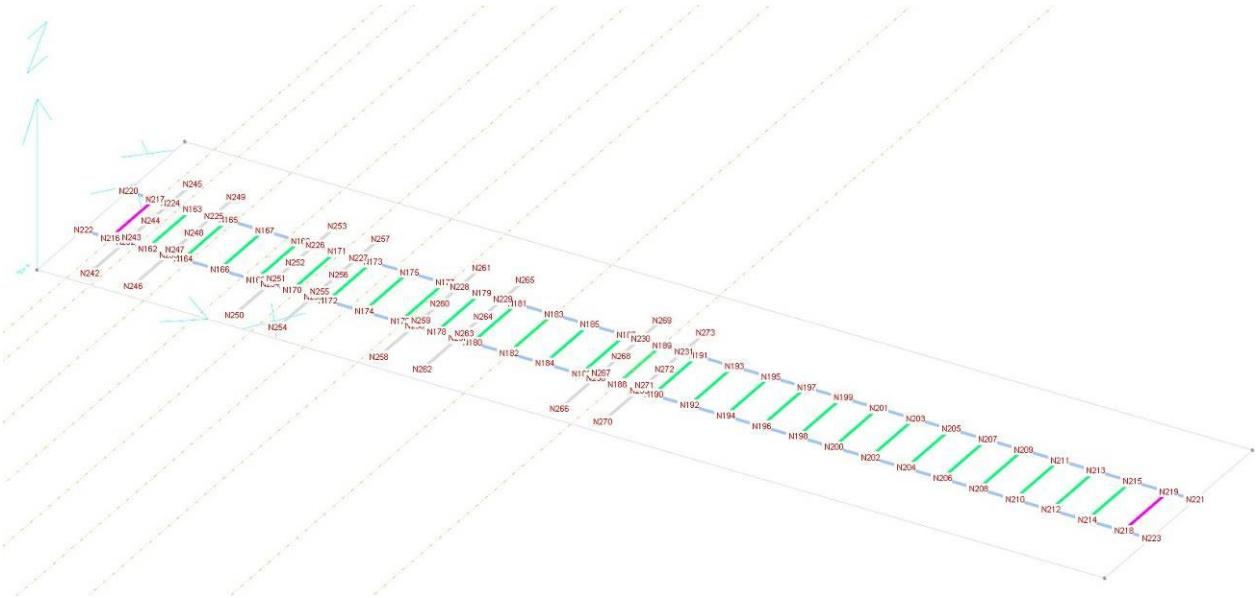
Numerazione aste e nodi:



MELAS3 – Numerazione aste travi



MELAS3– Numerazione aste soletta e traversi



MELAS3 – Numerazione nodi

```
*** DATI STRUTTURA

Unita` di misura :
LUNGHEZZE        : cm
SUPERFICI        : cm2
DATI SEZIONALI   : cm
ANGOLI           : gradi
FORZE            : daN
MOMENTI          : daNcm
CARICHI LINEARI  : daN/cm
CARICHI SUPERFIC.: daN/cm2
TENSIONI         : daN/cm2
PESI DI VOLUME   : daN/cm3
COEFF. DI WINKLER: daN/cm3
RIGIDEZZE VINCOL.: daN/cm - daNcm/rad

NODI--|-----------|-----------|-----------|-----------|-----------
|num.=    110
  Nome    Coord. X    Coord. Y    Coord. Z
   162     176.500     218.000       0.000
   163     176.500     433.000       0.000
   164     276.500     218.000       0.000
   165     276.500     433.000       0.000
   166     376.500     218.000       0.000
   167     376.500     433.000       0.000
   168     476.500     218.000       0.000
   169     476.500     433.000       0.000
   170     576.500     218.000       0.000
   171     576.500     433.000       0.000
   172     676.500     218.000       0.000
   173     676.500     433.000       0.000
   174     776.500     218.000       0.000
   175     776.500     433.000       0.000
   176     876.500     218.000       0.000
   177     876.500     433.000       0.000
   178     976.500     218.000       0.000
   179     976.500     433.000       0.000
   180    1076.500     218.000       0.000
   181    1076.500     433.000       0.000
   182    1176.500     218.000       0.000
   183    1176.500     433.000       0.000
   184    1276.500     218.000       0.000
   185    1276.500     433.000       0.000
   186    1376.500     218.000       0.000
   187    1376.500     433.000       0.000
   188    1476.500     218.000       0.000
   189    1476.500     433.000       0.000
   190    1576.500     218.000       0.000
   191    1576.500     433.000       0.000
   192    1676.500     218.000       0.000
   193    1676.500     433.000       0.000
   194    1776.500     218.000       0.000
   195    1776.500     433.000       0.000
   196    1876.500     218.000       0.000
   197    1876.500     433.000       0.000
   198    1976.500     218.000       0.000
   199    1976.500     433.000       0.000
   200    2076.500     218.000       0.000
   201    2076.500     433.000       0.000
   202    2176.500     218.000       0.000
   203    2176.500     433.000       0.000
   204    2276.500     218.000       0.000
   205    2276.500     433.000       0.000
   206    2376.500     218.000       0.000
   207    2376.500     433.000       0.000
   208    2476.500     218.000       0.000
   209    2476.500     433.000       0.000
   210    2576.500     218.000       0.000
   211    2576.500     433.000       0.000
   212    2676.500     218.000       0.000
   213    2676.500     433.000       0.000
   214    2776.500     218.000       0.000
   215    2776.500     433.000       0.000
   216      75.000     218.000       0.000
   217      75.000     433.000       0.000
   218    2878.000     218.000       0.000
   219    2878.000     433.000       0.000
   220       0.000     433.000       0.000
   221    2953.000     433.000       0.000
   222       0.000     218.000       0.000
   223    2953.000     218.000       0.000
   224     116.500     433.000       0.000
   225     236.500     433.000       0.000
   226     516.500     433.000       0.000
   227     636.500     433.000       0.000
   228     916.500     433.000       0.000
   229    1036.500     433.000       0.000
   230    1416.500     433.000       0.000
   231    1536.500     433.000       0.000
   232     116.500     218.000       0.000
   233     236.500     218.000       0.000
   234     516.500     218.000       0.000
   235     636.500     218.000       0.000
   236     916.500     218.000       0.000
   237    1036.500     218.000       0.000
   238    1416.500     218.000       0.000
   239    1536.500     218.000       0.000
   242     116.500      46.000       0.000
   243     116.500     246.000       0.000
   244     116.500     338.000       0.000
   245     116.500     538.000       0.000
   246     236.500      46.000       0.000
   247     236.500     246.000       0.000
   248     236.500     338.000       0.000
   249     236.500     538.000       0.000
   250     516.500      46.000       0.000
   251     516.500     246.000       0.000
   252     516.500     338.000       0.000
   253     516.500     538.000       0.000
```

Allegato A

Allegato A: strutture analizzate

254	636.500	46.000	0.000	282	4	175	177
255	636.500	246.000	0.000	0.0			
256	636.500	338.000	0.000	283	4	177	228
257	636.500	538.000	0.000	0.0			
258	916.500	46.000	0.000	284	4	179	229
259	916.500	246.000	0.000	0.0			
260	916.500	338.000	0.000	285	4	181	183
261	916.500	538.000	0.000	0.0			
262	1036.500	46.000	0.000	286	4	183	185
263	1036.500	246.000	0.000	0.0			
264	1036.500	338.000	0.000	287	4	185	187
265	1036.500	538.000	0.000	0.0			
266	1416.500	46.000	0.000	288	4	187	230
267	1416.500	246.000	0.000	0.0			
268	1416.500	338.000	0.000	289	4	189	231
269	1416.500	538.000	0.000	0.0			
270	1536.500	46.000	0.000	290	4	191	193
271	1536.500	246.000	0.000	0.0			
272	1536.500	338.000	0.000	291	4	193	195
273	1536.500	538.000	0.000	0.0			
				292	4	195	197
ASTE--|----------|----------|----------|----------				0.0			
|num.=	145			293	4	197	199
Nome	Proprieta`	Nodo iniz.	Nodo fin. Rilasci in. Rilasci	0.0			
fin.	Orient.			294	4	199	201
245	2	162	163	0.0			
0.0				295	4	201	203
246	2	164	165	0.0			
0.0				296	4	203	205
247	2	166	167	0.0			
0.0				297	4	205	207
248	2	168	169	0.0			
0.0				298	4	207	209
249	2	170	171	0.0			
0.0				299	4	209	211
250	2	172	173	0.0			
0.0				300	4	211	213
251	2	174	175	0.0			
0.0				301	4	213	215
252	2	176	177	0.0			
0.0				302	4	215	219
253	2	178	179	0.0			
0.0				303	4	219	221
254	2	180	181	0.0			
0.0				304	3	222	216
255	2	182	183	0.0			
0.0				305	3	216	232
256	2	184	185	0.0			
0.0				306	3	162	233
257	2	186	187	0.0			
0.0				307	3	164	166
258	2	188	189	0.0			
0.0				308	3	166	168
259	2	190	191	0.0			
0.0				309	3	168	234
260	2	192	193	0.0			
0.0				310	3	170	235
261	2	194	195	0.0			
0.0				311	3	172	174
262	2	196	197	0.0			
0.0				312	3	174	176
263	2	198	199	0.0			
0.0				313	3	176	236
264	2	200	201	0.0			
0.0				314	3	178	237
265	2	202	203	0.0			
0.0				315	3	180	182
266	2	204	205	0.0			
0.0				316	3	182	184
267	2	206	207	0.0			
0.0				317	3	184	186
268	2	208	209	0.0			
0.0				318	3	186	238
269	2	210	211	0.0			
0.0				319	3	188	239
270	2	212	213	0.0			
0.0				320	3	190	192
271	2	214	215	0.0			
0.0				321	3	192	194
272	7	216	217	0.0			
0.0				322	3	194	196
273	7	218	219	0.0			
0.0				323	3	196	198
274	4	220	217	0.0			
0.0				324	3	198	200
275	4	217	224	0.0			
0.0				325	3	200	202
276	4	163	225	0.0			
0.0				326	3	202	204
277	4	165	167	0.0			
0.0				327	3	204	206
278	4	167	169	0.0			
0.0				328	3	206	208
279	4	169	226	0.0			
0.0				329	3	208	210
280	4	171	227	0.0			
0.0				330	3	210	212
281	4	173	175	0.0			
0.0							

Allegato A

Allegato A: strutture analizzate

```
   331          3          212          214
0.0
   332          3          214          218
0.0
   333          3          218          223
0.0
   334          4          224          163
0.0
   335          4          225          165
0.0
   336          4          226          171
0.0
   337          4          227          173
0.0
   338          4          228          179
0.0
   339          4          229          181
0.0
   340          4          230          189
0.0
   341          4          231          191
0.0
   342          3          232          162
0.0
   343          3          233          164
0.0
   344          3          234          170
0.0
   345          3          235          172
0.0
   346          3          236          178
0.0
   347          3          237          180
0.0
   348          3          238          188
0.0
   349          3          239          190
0.0
   351          8          242          232
0.0
   352          8          232          243        RyRz
0.0
   353          8          243          244
0.0
   354          8          244          224                RxRyRz
0.0
   355          8          224          245
0.0
   356          8          246          233
0.0
   357          8          233          247        RyRz
0.0
   358          8          247          248
0.0
   359          8          248          225                RxRyRz
0.0
   360          8          225          249
0.0
   361          8          250          234
0.0
   362          8          234          251        RyRz
0.0
   363          8          251          252
0.0
   364          8          252          226                RxRyRz
0.0
   365          8          226          253
0.0
   366          8          254          235
0.0
   367          8          235          255        RyRz
0.0
   368          8          255          256
0.0
   369          8          256          227                RxRyRz
0.0
   370          8          227          257
0.0
   371          8          258          236
0.0
   372          8          236          259        RyRz
0.0
   373          8          259          260
0.0
   374          8          260          228                RxRyRz
0.0
   375          8          228          261
0.0
   376          8          262          237
0.0
   377          8          237          263        RyRz
0.0
   378          8          263          264
0.0
   379          8          264          229                RxRyRz
0.0
   380          8          229          265
0.0
```

```
   381          8          266          238
0.0
   382          8          238          267        RyRz
0.0
   383          8          267          268
0.0
   384          8          268          230                RxRyRz
0.0
   385          8          230          269
0.0
   386          8          270          239
0.0
   387          8          239          271        RyRz
0.0
   388          8          271          272
0.0
   389          8          272          231                RxRyRz
0.0
   390          8          231          273
0.0

PROPRIETA` ASTE---|----------|----------|----------|----------
|num.=      5
  Nome   Materiale        Base     Altezza        Area Area tag. Y
Area tag.  Z
                          Kw vertic.   Kw orizz.      J tors. J fless. Y
J fless.  Z
     2          4      100.00       25.00 2.50000E+03 2.08333E+03
2.08333E+03
                        0.000000    0.000000 4.38826E+05 2.08333E+06
1.30208E+05
     3          1      313.00      190.00 1.63591E+04 1.63591E+04
1.63591E+04
                        0.000000    0.000000 5.21626E+07 1.02555E+08
8.13415E+07
     4          1      368.70      190.00 1.77516E+04 1.77516E+04
1.77516E+04
                        0.000000    0.000000 5.21626E+07 1.59131E+08
8.59399E+07
     7          4      150.00      169.00 1.09501E+04 1.09501E+04
1.09501E+04
                        0.000000    0.000000 6.00331E+06 8.53123E+06
3.02435E+07
     8          1       50.00       50.00 2.50000E+03 2.08333E+03
2.08333E+03
                        0.000000    0.000000 8.80195E+05 5.20833E+05
5.20833E+05

MATERIALI---------|----------|----------|----------|----------
|num.=      2
  Nome Mod. elast.   Coeff. nu  Mod. tang.  Peso spec.    Dil. te.
     1 3.64160E+05 1.50000E-01 1.30000E+05 2.50000E-03  1.00000E-
05
     4 3.46250E+05 1.50000E-01 1.30000E+05 2.50000E-03  1.00000E-
05

VINCOLI----------|----------|----------|----------|----------
|num.=      4
  Nodo    Rigid. X    Rigid. Y    Rigid. Z   Rigid. RX   Rigid. RY
Rigid. RZ
   216    bloccato    bloccato    bloccato      libero      libero
libero
   217    bloccato    bloccato    bloccato      libero      libero
libero
   218    bloccato    bloccato    bloccato      libero      libero
libero
   219    bloccato    bloccato    bloccato      libero      libero
libero

CARICHI NODI------|----------|----------|----------|----------
|num.=     32
  Nome                          Nodo   Direzione  Intensita`
     1 Q_C1_gomma                266          Z   -10000.5
     2 Q_C1_gomma                270          Z   -10000.5
     3 Q_C1_gomma                267          Z   -10000.5
     4 Q_C1_gomma                271          Z   -10000.5
     5 Q_C1_gomma                258          Z   -10000.5
     6 Q_C1_gomma                262          Z   -10000.5
     7 Q_C1_gomma                259          Z   -10000.5
     8 Q_C1_gomma                263          Z   -10000.5
     9 Q_C1_gomma                250          Z   -10000.5
    10 Q_C1_gomma                254          Z   -10000.5
    11 Q_C1_gomma                251          Z   -10000.5
    12 Q_C1_gomma                255          Z   -10000.5
    13 Q_C1_gomma                242          Z   -10000.5
    14 Q_C1_gomma                246          Z   -10000.5
    15 Q_C1_gomma                243          Z   -10000.5
    16 Q_C1_gomma                247          Z   -10000.5
    17 Q_C2_gomma                268          Z   -10000.0
    18 Q_C2_gomma                272          Z   -10000.0
    19 Q_C2_gomma                269          Z   -10000.0
    20 Q_C2_gomma                273          Z   -10000.0
    21 Q_C2_gomma                260          Z   -10000.0
    22 Q_C2_gomma                264          Z   -10000.0
    23 Q_C2_gomma                261          Z   -10000.0
    24 Q_C2_gomma                265          Z   -10000.0
    25 Q_C2_gomma                252          Z   -10000.0
    26 Q_C2_gomma                256          Z   -10000.0
    27 Q_C2_gomma                253          Z   -10000.0
```

Allegato A

Allegato A: strutture analizzate

```
    28 Q_C2_gomma              257          Z   -10000.0
    29 Q_C2_gomma              244          Z   -10000.0
    30 Q_C2_gomma              248          Z   -10000.0
    31 Q_C2_gomma              245          Z   -10000.0
    32 Q_C2_gomma              249          Z   -10000.0

CARICHI ASTE------|-----------|-----------|-----------|-----------
|num.=    914
  Nome                        Asta Dir Tip RIF Parametro 1
Parametro 2 Parametro 3 Parametro  4
    33 Pp_travi_CIR_214_160    274  Z   FD glo     -20.750
    34 Pp_travi_CIR_214_160    277  Z   FD glo     -20.750
    35 Pp_travi_CIR_214_160    278  Z   FD glo     -20.750
    36 Pp_travi_CIR_214_160    281  Z   FD glo     -20.750
    37 Pp_travi_CIR_214_160    282  Z   FD glo     -20.750
    38 Pp_travi_CIR_214_160    285  Z   FD glo     -20.750
    39 Pp_travi_CIR_214_160    286  Z   FD glo     -20.750
    40 Pp_travi_CIR_214_160    287  Z   FD glo     -20.750
    41 Pp_travi_CIR_214_160    290  Z   FD glo     -20.750
    42 Pp_travi_CIR_214_160    291  Z   FD glo     -20.750
    43 Pp_travi_CIR_214_160    292  Z   FD glo     -20.750
    44 Pp_travi_CIR_214_160    293  Z   FD glo     -20.750
    45 Pp_travi_CIR_214_160    294  Z   FD glo     -20.750
    46 Pp_travi_CIR_214_160    295  Z   FD glo     -20.750
    47 Pp_travi_CIR_214_160    296  Z   FD glo     -20.750
    48 Pp_travi_CIR_214_160    297  Z   FD glo     -20.750
    49 Pp_travi_CIR_214_160    298  Z   FD glo     -20.750
    50 Pp_travi_CIR_214_160    299  Z   FD glo     -20.750
    51 Pp_travi_CIR_214_160    300  Z   FD glo     -20.750
    52 Pp_travi_CIR_214_160    301  Z   FD glo     -20.750
    53 Pp_travi_CIR_214_160    302  Z   FD glo     -20.750
    54 Pp_travi_CIR_214_160    303  Z   FD glo     -20.750
    55 Pp_travi_CIR_214_160    275  Z   FD glo     -20.750
    56 Pp_travi_CIR_214_160    334  Z   FD glo     -20.750
    57 Pp_travi_CIR_214_160    276  Z   FD glo     -20.750
    58 Pp_travi_CIR_214_160    335  Z   FD glo     -20.750
    59 Pp_travi_CIR_214_160    279  Z   FD glo     -20.750
    60 Pp_travi_CIR_214_160    336  Z   FD glo     -20.750
    61 Pp_travi_CIR_214_160    280  Z   FD glo     -20.750
    62 Pp_travi_CIR_214_160    337  Z   FD glo     -20.750
    63 Pp_travi_CIR_214_160    283  Z   FD glo     -20.750
    64 Pp_travi_CIR_214_160    338  Z   FD glo     -20.750
    65 Pp_travi_CIR_214_160    284  Z   FD glo     -20.750
    66 Pp_travi_CIR_214_160    339  Z   FD glo     -20.750
    67 Pp_travi_CIR_214_160    288  Z   FD glo     -20.750
    68 Pp_travi_CIR_214_160    340  Z   FD glo     -20.750
    69 Pp_travi_CIR_214_160    289  Z   FD glo     -20.750
    70 Pp_travi_CIR_214_160    341  Z   FD glo     -20.750
    71 Pp_travi_CIR_214_160    304  Z   FD glo     -20.750
    72 Pp_travi_CIR_214_160    307  Z   FD glo     -20.750
    73 Pp_travi_CIR_214_160    308  Z   FD glo     -20.750
    74 Pp_travi_CIR_214_160    311  Z   FD glo     -20.750
    75 Pp_travi_CIR_214_160    312  Z   FD glo     -20.750
    76 Pp_travi_CIR_214_160    315  Z   FD glo     -20.750
    77 Pp_travi_CIR_214_160    316  Z   FD glo     -20.750
    78 Pp_travi_CIR_214_160    317  Z   FD glo     -20.750
    79 Pp_travi_CIR_214_160    320  Z   FD glo     -20.750
    80 Pp_travi_CIR_214_160    321  Z   FD glo     -20.750
    81 Pp_travi_CIR_214_160    322  Z   FD glo     -20.750
    82 Pp_travi_CIR_214_160    323  Z   FD glo     -20.750
    83 Pp_travi_CIR_214_160    324  Z   FD glo     -20.750
    84 Pp_travi_CIR_214_160    325  Z   FD glo     -20.750
    85 Pp_travi_CIR_214_160    326  Z   FD glo     -20.750
    86 Pp_travi_CIR_214_160    327  Z   FD glo     -20.750
    87 Pp_travi_CIR_214_160    328  Z   FD glo     -20.750
    88 Pp_travi_CIR_214_160    329  Z   FD glo     -20.750
    89 Pp_travi_CIR_214_160    330  Z   FD glo     -20.750
    90 Pp_travi_CIR_214_160    331  Z   FD glo     -20.750
    91 Pp_travi_CIR_214_160    332  Z   FD glo     -20.750
    92 Pp_travi_CIR_214_160    333  Z   FD glo     -20.750
    93 Pp_travi_CIR_214_160    305  Z   FD glo     -20.750
    94 Pp_travi_CIR_214_160    342  Z   FD glo     -20.750
    95 Pp_travi_CIR_214_160    306  Z   FD glo     -20.750
    96 Pp_travi_CIR_214_160    343  Z   FD glo     -20.750
    97 Pp_travi_CIR_214_160    309  Z   FD glo     -20.750
    98 Pp_travi_CIR_214_160    344  Z   FD glo     -20.750
    99 Pp_travi_CIR_214_160    310  Z   FD glo     -20.750
   100 Pp_travi_CIR_214_160    345  Z   FD glo     -20.750
   101 Pp_travi_CIR_214_160    313  Z   FD glo     -20.750
   102 Pp_travi_CIR_214_160    346  Z   FD glo     -20.750
   103 Pp_travi_CIR_214_160    314  Z   FD glo     -20.750
   104 Pp_travi_CIR_214_160    347  Z   FD glo     -20.750
   105 Pp_travi_CIR_214_160    318  Z   FD glo     -20.750
   106 Pp_travi_CIR_214_160    348  Z   FD glo     -20.750
   107 Pp_travi_CIR_214_160    319  Z   FD glo     -20.750
   108 Pp_travi_CIR_214_160    349  Z   FD glo     -20.750
   109 Perm_soletta_TR1        304  Z   FD glo     -29.250
   110 Perm_soletta_TR1        307  Z   FD glo     -29.250
   111 Perm_soletta_TR1        308  Z   FD glo     -29.250
   112 Perm_soletta_TR1        311  Z   FD glo     -29.250
   113 Perm_soletta_TR1        312  Z   FD glo     -29.250
   114 Perm_soletta_TR1        315  Z   FD glo     -29.250
   115 Perm_soletta_TR1        316  Z   FD glo     -29.250
   116 Perm_soletta_TR1        317  Z   FD glo     -29.250
   117 Perm_soletta_TR1        320  Z   FD glo     -29.250
   118 Perm_soletta_TR1        321  Z   FD glo     -29.250
   119 Perm_soletta_TR1        322  Z   FD glo     -29.250
   120 Perm_soletta_TR1        323  Z   FD glo     -29.250
   121 Perm_soletta_TR1        324  Z   FD glo     -29.250
   122 Perm_soletta_TR1        325  Z   FD glo     -29.250
   123 Perm_soletta_TR1        326  Z   FD glo     -29.250
   124 Perm_soletta_TR1        327  Z   FD glo     -29.250
   125 Perm_soletta_TR1        328  Z   FD glo     -29.250
   126 Perm_soletta_TR1        329  Z   FD glo     -29.250
   127 Perm_soletta_TR1        330  Z   FD glo     -29.250
   128 Perm_soletta_TR1        331  Z   FD glo     -29.250
   129 Perm_soletta_TR1        332  Z   FD glo     -29.250
   130 Perm_soletta_TR1        333  Z   FD glo     -29.250
   131 Perm_soletta_TR1        305  Z   FD glo     -29.250
   132 Perm_soletta_TR1        342  Z   FD glo     -29.250
   133 Perm_soletta_TR1        306  Z   FD glo     -29.250
   134 Perm_soletta_TR1        343  Z   FD glo     -29.250
   135 Perm_soletta_TR1        309  Z   FD glo     -29.250
   136 Perm_soletta_TR1        344  Z   FD glo     -29.250
   137 Perm_soletta_TR1        310  Z   FD glo     -29.250
   138 Perm_soletta_TR1        345  Z   FD glo     -29.250
   139 Perm_soletta_TR1        313  Z   FD glo     -29.250
   140 Perm_soletta_TR1        346  Z   FD glo     -29.250
   141 Perm_soletta_TR1        314  Z   FD glo     -29.250
   142 Perm_soletta_TR1        347  Z   FD glo     -29.250
   143 Perm_soletta_TR1        318  Z   FD glo     -29.250
   144 Perm_soletta_TR1        348  Z   FD glo     -29.250
   145 Perm_soletta_TR1        319  Z   FD glo     -29.250
   146 Perm_soletta_TR1        349  Z   FD glo     -29.250
   147 Perm_soletta_TR1_+      304  Rx  CD loc      1580.0
1580.0      0.000      0.000
   148 Perm_soletta_TR1_+      307  Rx  CD loc      1580.0
1580.0      0.000      0.000
   149 Perm_soletta_TR1_+      308  Rx  CD loc      1580.0
1580.0      0.000      0.000
   150 Perm_soletta_TR1_+      311  Rx  CD loc      1580.0
1580.0      0.000      0.000
   151 Perm_soletta_TR1_+      312  Rx  CD loc      1580.0
1580.0      0.000      0.000
   152 Perm_soletta_TR1_+      315  Rx  CD loc      1580.0
1580.0      0.000      0.000
   153 Perm_soletta_TR1_+      316  Rx  CD loc      1580.0
1580.0      0.000      0.000
   154 Perm_soletta_TR1_+      317  Rx  CD loc      1580.0
1580.0      0.000      0.000
   155 Perm_soletta_TR1_+      320  Rx  CD loc      1580.0
1580.0      0.000      0.000
   156 Perm_soletta_TR1_+      321  Rx  CD loc      1580.0
1580.0      0.000      0.000
   157 Perm_soletta_TR1_+      322  Rx  CD loc      1580.0
1580.0      0.000      0.000
   158 Perm_soletta_TR1_+      323  Rx  CD loc      1580.0
1580.0      0.000      0.000
   159 Perm_soletta_TR1_+      324  Rx  CD loc      1580.0
1580.0      0.000      0.000
   160 Perm_soletta_TR1_+      325  Rx  CD loc      1580.0
1580.0      0.000      0.000
   161 Perm_soletta_TR1_+      326  Rx  CD loc      1580.0
1580.0      0.000      0.000
   162 Perm_soletta_TR1_+      327  Rx  CD loc      1580.0
1580.0      0.000      0.000
   163 Perm_soletta_TR1_+      328  Rx  CD loc      1580.0
1580.0      0.000      0.000
   164 Perm_soletta_TR1_+      329  Rx  CD loc      1580.0
1580.0      0.000      0.000
   165 Perm_soletta_TR1_+      330  Rx  CD loc      1580.0
1580.0      0.000      0.000
   166 Perm_soletta_TR1_+      331  Rx  CD loc      1580.0
1580.0      0.000      0.000
   167 Perm_soletta_TR1_+      332  Rx  CD loc      1580.0
1580.0      0.000      0.000
   168 Perm_soletta_TR1_+      333  Rx  CD loc      1580.0
1580.0      0.000      0.000
   169 Perm_soletta_TR1_+      305  Rx  CD loc      1580.0
1580.0      0.000      0.000
   170 Perm_soletta_TR1_+      342  Rx  CD loc      1580.0
1580.0      0.000      0.000
   171 Perm_soletta_TR1_+      306  Rx  CD loc      1580.0
1580.0      0.000      0.000
   172 Perm_soletta_TR1_+      343  Rx  CD loc      1580.0
1580.0      0.000      0.000
   173 Perm_soletta_TR1_+      309  Rx  CD loc      1580.0
1580.0      0.000      0.000
   174 Perm_soletta_TR1_+      344  Rx  CD loc      1580.0
1580.0      0.000      0.000
   175 Perm_soletta_TR1_+      310  Rx  CD loc      1580.0
1580.0      0.000      0.000
   176 Perm_soletta_TR1_+      345  Rx  CD loc      1580.0
1580.0      0.000      0.000
   177 Perm_soletta_TR1_+      313  Rx  CD loc      1580.0
1580.0      0.000      0.000
   178 Perm_soletta_TR1_+      346  Rx  CD loc      1580.0
1580.0      0.000      0.000
   179 Perm_soletta_TR1_+      314  Rx  CD loc      1580.0
1580.0      0.000      0.000
   180 Perm_soletta_TR1_+      347  Rx  CD loc      1580.0
1580.0      0.000      0.000
   181 Perm_soletta_TR1_+      318  Rx  CD loc      1580.0
1580.0      0.000      0.000
   182 Perm_soletta_TR1_+      348  Rx  CD loc      1580.0
1580.0      0.000      0.000
   183 Perm_soletta_TR1_+      319  Rx  CD loc      1580.0
1580.0      0.000      0.000
```

Allegato A

Allegato A: strutture analizzate

```
   184 Perm_soletta_TR1_+      349  Rx  CD loc      1580.0
1580.0      0.000      0.000
   185 Perm_soletta_TR2        274  Z   FD glo     -34.470
   186 Perm_soletta_TR2        277  Z   FD glo     -34.470
   187 Perm_soletta_TR2        278  Z   FD glo     -34.470
   188 Perm_soletta_TR2        281  Z   FD glo     -34.470
   189 Perm_soletta_TR2        282  Z   FD glo     -34.470
   190 Perm_soletta_TR2        285  Z   FD glo     -34.470
   191 Perm_soletta_TR2        286  Z   FD glo     -34.470
   192 Perm_soletta_TR2        287  Z   FD glo     -34.470
   193 Perm_soletta_TR2        290  Z   FD glo     -34.470
   194 Perm_soletta_TR2        291  Z   FD glo     -34.470
   195 Perm_soletta_TR2        292  Z   FD glo     -34.470
   196 Perm_soletta_TR2        293  Z   FD glo     -34.470
   197 Perm_soletta_TR2        294  Z   FD glo     -34.470
   198 Perm_soletta_TR2        295  Z   FD glo     -34.470
   199 Perm_soletta_TR2        296  Z   FD glo     -34.470
   200 Perm_soletta_TR2        297  Z   FD glo     -34.470
   201 Perm_soletta_TR2        298  Z   FD glo     -34.470
   202 Perm_soletta_TR2        299  Z   FD glo     -34.470
   203 Perm_soletta_TR2        300  Z   FD glo     -34.470
   204 Perm_soletta_TR2        301  Z   FD glo     -34.470
   205 Perm_soletta_TR2        302  Z   FD glo     -34.470
   206 Perm_soletta_TR2        303  Z   FD glo     -34.470
   207 Perm_soletta_TR2        275  Z   FD glo     -34.470
   208 Perm_soletta_TR2        334  Z   FD glo     -34.470
   209 Perm_soletta_TR2        276  Z   FD glo     -34.470
   210 Perm_soletta_TR2        335  Z   FD glo     -34.470
   211 Perm_soletta_TR2        279  Z   FD glo     -34.470
   212 Perm_soletta_TR2        336  Z   FD glo     -34.470
   213 Perm_soletta_TR2        280  Z   FD glo     -34.470
   214 Perm_soletta_TR2        337  Z   FD glo     -34.470
   215 Perm_soletta_TR2        283  Z   FD glo     -34.470
   216 Perm_soletta_TR2        338  Z   FD glo     -34.470
   217 Perm_soletta_TR2        284  Z   FD glo     -34.470
   218 Perm_soletta_TR2        339  Z   FD glo     -34.470
   219 Perm_soletta_TR2        288  Z   FD glo     -34.470
   220 Perm_soletta_TR2        340  Z   FD glo     -34.470
   221 Perm_soletta_TR2        289  Z   FD glo     -34.470
   222 Perm_soletta_TR2        341  Z   FD glo     -34.470
   223 Perm_soletta_TR2_-      274  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   224 Perm_soletta_TR2_-      277  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   225 Perm_soletta_TR2_-      278  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   226 Perm_soletta_TR2_-      281  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   227 Perm_soletta_TR2_-      282  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   228 Perm_soletta_TR2_-      285  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   229 Perm_soletta_TR2_-      286  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   230 Perm_soletta_TR2_-      287  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   231 Perm_soletta_TR2_-      290  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   232 Perm_soletta_TR2_-      291  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   233 Perm_soletta_TR2_-      292  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   234 Perm_soletta_TR2_-      293  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   235 Perm_soletta_TR2_-      294  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   236 Perm_soletta_TR2_-      295  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   237 Perm_soletta_TR2_-      296  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   238 Perm_soletta_TR2_-      297  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   239 Perm_soletta_TR2_-      298  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   240 Perm_soletta_TR2_-      299  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   241 Perm_soletta_TR2_-      300  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   242 Perm_soletta_TR2_-      301  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   243 Perm_soletta_TR2_-      302  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   244 Perm_soletta_TR2_-      303  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   245 Perm_soletta_TR2_-      275  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   246 Perm_soletta_TR2_-      334  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   247 Perm_soletta_TR2_-      276  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   248 Perm_soletta_TR2_-      335  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   249 Perm_soletta_TR2_-      279  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   250 Perm_soletta_TR2_-      336  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   251 Perm_soletta_TR2_-      280  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   252 Perm_soletta_TR2_-      337  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   253 Perm_soletta_TR2_-      283  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   254 Perm_soletta_TR2_-      338  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   255 Perm_soletta_TR2_-      284  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   256 Perm_soletta_TR2_-      339  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   257 Perm_soletta_TR2_-      288  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   258 Perm_soletta_TR2_-      340  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   259 Perm_soletta_TR2_-      289  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   260 Perm_soletta_TR2_-      341  Rx  CD loc     -2896.0     -
2896.0      0.000      0.000
   261 Perm_cordolo_TR2        274  Z   FD glo      -9.380
   262 Perm_cordolo_TR2        277  Z   FD glo      -9.380
   263 Perm_cordolo_TR2        278  Z   FD glo      -9.380
   264 Perm_cordolo_TR2        281  Z   FD glo      -9.380
   265 Perm_cordolo_TR2        282  Z   FD glo      -9.380
   266 Perm_cordolo_TR2        285  Z   FD glo      -9.380
   267 Perm_cordolo_TR2        286  Z   FD glo      -9.380
   268 Perm_cordolo_TR2        287  Z   FD glo      -9.380
   269 Perm_cordolo_TR2        290  Z   FD glo      -9.380
   270 Perm_cordolo_TR2        291  Z   FD glo      -9.380
   271 Perm_cordolo_TR2        292  Z   FD glo      -9.380
   272 Perm_cordolo_TR2        293  Z   FD glo      -9.380
   273 Perm_cordolo_TR2        294  Z   FD glo      -9.380
   274 Perm_cordolo_TR2        295  Z   FD glo      -9.380
   275 Perm_cordolo_TR2        296  Z   FD glo      -9.380
   276 Perm_cordolo_TR2        297  Z   FD glo      -9.380
   277 Perm_cordolo_TR2        298  Z   FD glo      -9.380
   278 Perm_cordolo_TR2        299  Z   FD glo      -9.380
   279 Perm_cordolo_TR2        300  Z   FD glo      -9.380
   280 Perm_cordolo_TR2        301  Z   FD glo      -9.380
   281 Perm_cordolo_TR2        302  Z   FD glo      -9.380
   282 Perm_cordolo_TR2        303  Z   FD glo      -9.380
   283 Perm_cordolo_TR2        275  Z   FD glo      -9.380
   284 Perm_cordolo_TR2        334  Z   FD glo      -9.380
   285 Perm_cordolo_TR2        276  Z   FD glo      -9.380
   286 Perm_cordolo_TR2        335  Z   FD glo      -9.380
   287 Perm_cordolo_TR2        279  Z   FD glo      -9.380
   288 Perm_cordolo_TR2        336  Z   FD glo      -9.380
   289 Perm_cordolo_TR2        280  Z   FD glo      -9.380
   290 Perm_cordolo_TR2        337  Z   FD glo      -9.380
   291 Perm_cordolo_TR2        283  Z   FD glo      -9.380
   292 Perm_cordolo_TR2        338  Z   FD glo      -9.380
   293 Perm_cordolo_TR2        284  Z   FD glo      -9.380
   294 Perm_cordolo_TR2        339  Z   FD glo      -9.380
   295 Perm_cordolo_TR2        288  Z   FD glo      -9.380
   296 Perm_cordolo_TR2        340  Z   FD glo      -9.380
   297 Perm_cordolo_TR2        289  Z   FD glo      -9.380
   298 Perm_cordolo_TR2        341  Z   FD glo      -9.380
   299 Perm_cordolo_TR2_-      274  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   300 Perm_cordolo_TR2_-      277  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   301 Perm_cordolo_TR2_-      278  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   302 Perm_cordolo_TR2_-      281  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   303 Perm_cordolo_TR2_-      282  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   304 Perm_cordolo_TR2_-      285  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   305 Perm_cordolo_TR2_-      286  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   306 Perm_cordolo_TR2_-      287  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   307 Perm_cordolo_TR2_-      290  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   308 Perm_cordolo_TR2_-      291  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   309 Perm_cordolo_TR2_-      292  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   310 Perm_cordolo_TR2_-      293  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   311 Perm_cordolo_TR2_-      294  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   312 Perm_cordolo_TR2_-      295  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   313 Perm_cordolo_TR2_-      296  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   314 Perm_cordolo_TR2_-      297  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   315 Perm_cordolo_TR2_-      298  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   316 Perm_cordolo_TR2_-      299  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   317 Perm_cordolo_TR2_-      300  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   318 Perm_cordolo_TR2_-      301  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
   319 Perm_cordolo_TR2_-      302  Rx  CD loc     -1994.0     -
1994.0      0.000      0.000
```

Allegato A: strutture analizzate

320	Perm_cordolo_TR2_-	303	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	388	Perm_pavim_TR1_+	325	Rx	CD	loc	527.0	527.0	0.000	0.000			
321	Perm_cordolo_TR2_-	275	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	389	Perm_pavim_TR1_+	326	Rx	CD	loc	527.0	527.0	0.000	0.000			
322	Perm_cordolo_TR2_-	334	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	390	Perm_pavim_TR1_+	327	Rx	CD	loc	527.0	527.0	0.000	0.000			
323	Perm_cordolo_TR2_-	276	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	391	Perm_pavim_TR1_+	328	Rx	CD	loc	527.0	527.0	0.000	0.000			
324	Perm_cordolo_TR2_-	335	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	392	Perm_pavim_TR1_+	329	Rx	CD	loc	527.0	527.0	0.000	0.000			
325	Perm_cordolo_TR2_-	279	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	393	Perm_pavim_TR1_+	330	Rx	CD	loc	527.0	527.0	0.000	0.000			
326	Perm_cordolo_TR2_-	336	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	394	Perm_pavim_TR1_+	331	Rx	CD	loc	527.0	527.0	0.000	0.000			
327	Perm_cordolo_TR2_-	280	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	395	Perm_pavim_TR1_+	332	Rx	CD	loc	527.0	527.0	0.000	0.000			
328	Perm_cordolo_TR2_-	337	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	396	Perm_pavim_TR1_+	333	Rx	CD	loc	527.0	527.0	0.000	0.000			
329	Perm_cordolo_TR2_-	283	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	397	Perm_pavim_TR1_+	305	Rx	CD	loc	527.0	527.0	0.000	0.000			
330	Perm_cordolo_TR2_-	338	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	398	Perm_pavim_TR1_+	342	Rx	CD	loc	527.0	527.0	0.000	0.000			
331	Perm_cordolo_TR2_-	284	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	399	Perm_pavim_TR1_+	306	Rx	CD	loc	527.0	527.0	0.000	0.000			
332	Perm_cordolo_TR2_-	339	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	400	Perm_pavim_TR1_+	343	Rx	CD	loc	527.0	527.0	0.000	0.000			
333	Perm_cordolo_TR2_-	288	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	401	Perm_pavim_TR1_+	309	Rx	CD	loc	527.0	527.0	0.000	0.000			
334	Perm_cordolo_TR2_-	340	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	402	Perm_pavim_TR1_+	344	Rx	CD	loc	527.0	527.0	0.000	0.000			
335	Perm_cordolo_TR2_-	289	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	403	Perm_pavim_TR1_+	310	Rx	CD	loc	527.0	527.0	0.000	0.000			
336	Perm_cordolo_TR2_-	341	Rx	CD	loc	-1994.0	-	1994.0	0.000	0.000	404	Perm_pavim_TR1_+	345	Rx	CD	loc	527.0	527.0	0.000	0.000			
337	Perm_pavim_TR1	304	Z	FD	glo	-9.750					405	Perm_pavim_TR1_+	313	Rx	CD	loc	527.0	527.0	0.000	0.000			
338	Perm_pavim_TR1	307	Z	FD	glo	-9.750					406	Perm_pavim_TR1_+	346	Rx	CD	loc	527.0	527.0	0.000	0.000			
339	Perm_pavim_TR1	308	Z	FD	glo	-9.750					407	Perm_pavim_TR1_+	314	Rx	CD	loc	527.0	527.0	0.000	0.000			
340	Perm_pavim_TR1	311	Z	FD	glo	-9.750					408	Perm_pavim_TR1_+	347	Rx	CD	loc	527.0	527.0	0.000	0.000			
341	Perm_pavim_TR1	312	Z	FD	glo	-9.750					409	Perm_pavim_TR1_+	318	Rx	CD	loc	527.0	527.0	0.000	0.000			
342	Perm_pavim_TR1	315	Z	FD	glo	-9.750					410	Perm_pavim_TR1_+	348	Rx	CD	loc	527.0	527.0	0.000	0.000			
343	Perm_pavim_TR1	316	Z	FD	glo	-9.750					411	Perm_pavim_TR1_+	319	Rx	CD	loc	527.0	527.0	0.000	0.000			
344	Perm_pavim_TR1	317	Z	FD	glo	-9.750					412	Perm_pavim_TR1_+	349	Rx	CD	loc	527.0	527.0	0.000	0.000			
345	Perm_pavim_TR1	320	Z	FD	glo	-9.750					413	Perm_pavim_TR2	274	Z	FD	glo	-7.740						
346	Perm_pavim_TR1	321	Z	FD	glo	-9.750					414	Perm_pavim_TR2	277	Z	FD	glo	-7.740						
347	Perm_pavim_TR1	322	Z	FD	glo	-9.750					415	Perm_pavim_TR2	278	Z	FD	glo	-7.740						
348	Perm_pavim_TR1	323	Z	FD	glo	-9.750					416	Perm_pavim_TR2	281	Z	FD	glo	-7.740						
349	Perm_pavim_TR1	324	Z	FD	glo	-9.750					417	Perm_pavim_TR2	282	Z	FD	glo	-7.740						
350	Perm_pavim_TR1	325	Z	FD	glo	-9.750					418	Perm_pavim_TR2	285	Z	FD	glo	-7.740						
351	Perm_pavim_TR1	326	Z	FD	glo	-9.750					419	Perm_pavim_TR2	286	Z	FD	glo	-7.740						
352	Perm_pavim_TR1	327	Z	FD	glo	-9.750					420	Perm_pavim_TR2	287	Z	FD	glo	-7.740						
353	Perm_pavim_TR1	328	Z	FD	glo	-9.750					421	Perm_pavim_TR2	290	Z	FD	glo	-7.740						
354	Perm_pavim_TR1	329	Z	FD	glo	-9.750					422	Perm_pavim_TR2	291	Z	FD	glo	-7.740						
355	Perm_pavim_TR1	330	Z	FD	glo	-9.750					423	Perm_pavim_TR2	292	Z	FD	glo	-7.740						
356	Perm_pavim_TR1	331	Z	FD	glo	-9.750					424	Perm_pavim_TR2	293	Z	FD	glo	-7.740						
357	Perm_pavim_TR1	332	Z	FD	glo	-9.750					425	Perm_pavim_TR2	294	Z	FD	glo	-7.740						
358	Perm_pavim_TR1	333	Z	FD	glo	-9.750					426	Perm_pavim_TR2	295	Z	FD	glo	-7.740						
359	Perm_pavim_TR1	305	Z	FD	glo	-9.750					427	Perm_pavim_TR2	296	Z	FD	glo	-7.740						
360	Perm_pavim_TR1	342	Z	FD	glo	-9.750					428	Perm_pavim_TR2	297	Z	FD	glo	-7.740						
361	Perm_pavim_TR1	306	Z	FD	glo	-9.750					429	Perm_pavim_TR2	298	Z	FD	glo	-7.740						
362	Perm_pavim_TR1	343	Z	FD	glo	-9.750					430	Perm_pavim_TR2	299	Z	FD	glo	-7.740						
363	Perm_pavim_TR1	309	Z	FD	glo	-9.750					431	Perm_pavim_TR2	300	Z	FD	glo	-7.740						
364	Perm_pavim_TR1	344	Z	FD	glo	-9.750					432	Perm_pavim_TR2	301	Z	FD	glo	-7.740						
365	Perm_pavim_TR1	310	Z	FD	glo	-9.750					433	Perm_pavim_TR2	302	Z	FD	glo	-7.740						
366	Perm_pavim_TR1	345	Z	FD	glo	-9.750					434	Perm_pavim_TR2	303	Z	FD	glo	-7.740						
367	Perm_pavim_TR1	313	Z	FD	glo	-9.750					435	Perm_pavim_TR2	275	Z	FD	glo	-7.740						
368	Perm_pavim_TR1	346	Z	FD	glo	-9.750					436	Perm_pavim_TR2	334	Z	FD	glo	-7.740						
369	Perm_pavim_TR1	314	Z	FD	glo	-9.750					437	Perm_pavim_TR2	276	Z	FD	glo	-7.740						
370	Perm_pavim_TR1	347	Z	FD	glo	-9.750					438	Perm_pavim_TR2	335	Z	FD	glo	-7.740						
371	Perm_pavim_TR1	318	Z	FD	glo	-9.750					439	Perm_pavim_TR2	279	Z	FD	glo	-7.740						
372	Perm_pavim_TR1	348	Z	FD	glo	-9.750					440	Perm_pavim_TR2	336	Z	FD	glo	-7.740						
373	Perm_pavim_TR1	319	Z	FD	glo	-9.750					441	Perm_pavim_TR2	280	Z	FD	glo	-7.740						
374	Perm_pavim_TR1	349	Z	FD	glo	-9.750					442	Perm_pavim_TR2	337	Z	FD	glo	-7.740						
375	Perm_pavim_TR1_+	304	Rx	CD	loc	527.0	527.0	0.000	0.000		443	Perm_pavim_TR2	283	Z	FD	glo	-7.740						
376	Perm_pavim_TR1_+	307	Rx	CD	loc	527.0	527.0	0.000	0.000		444	Perm_pavim_TR2	338	Z	FD	glo	-7.740						
377	Perm_pavim_TR1_+	308	Rx	CD	loc	527.0	527.0	0.000	0.000		445	Perm_pavim_TR2	284	Z	FD	glo	-7.740						
378	Perm_pavim_TR1_+	311	Rx	CD	loc	527.0	527.0	0.000	0.000		446	Perm_pavim_TR2	339	Z	FD	glo	-7.740						
379	Perm_pavim_TR1_+	312	Rx	CD	loc	527.0	527.0	0.000	0.000		447	Perm_pavim_TR2	288	Z	FD	glo	-7.740						
380	Perm_pavim_TR1_+	315	Rx	CD	loc	527.0	527.0	0.000	0.000		448	Perm_pavim_TR2	340	Z	FD	glo	-7.740						
381	Perm_pavim_TR1_+	316	Rx	CD	loc	527.0	527.0	0.000	0.000		449	Perm_pavim_TR2	289	Z	FD	glo	-7.740						
382	Perm_pavim_TR1_+	317	Rx	CD	loc	527.0	527.0	0.000	0.000		450	Perm_pavim_TR2	341	Z	FD	glo	-7.740						
383	Perm_pavim_TR1_+	320	Rx	CD	loc	527.0	527.0	0.000	0.000		451	Perm_pavim_TR2_-	274	Rx	CD	loc	-163.0	163.0	0.000	0.000	-		
384	Perm_pavim_TR1_+	321	Rx	CD	loc	527.0	527.0	0.000	0.000		452	Perm_pavim_TR2_-	277	Rx	CD	loc	-163.0	163.0	0.000	0.000	-		
385	Perm_pavim_TR1_+	322	Rx	CD	loc	527.0	527.0	0.000	0.000		453	Perm_pavim_TR2_-	278	Rx	CD	loc	-163.0	163.0	0.000	0.000	-		
386	Perm_pavim_TR1_+	323	Rx	CD	loc	527.0	527.0	0.000	0.000		454	Perm_pavim_TR2_-	281	Rx	CD	loc	-163.0	163.0	0.000	0.000	-		
387	Perm_pavim_TR1_+	324	Rx	CD	loc	527.0	527.0	0.000	0.000		455	Perm_pavim_TR2_-	282	Rx	CD	loc	-163.0	163.0	0.000	0.000	-		

Allegato A

Allegato A: strutture analizzate

456	Perm_pavim_TR2_-	285	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	522	Perm_sicurvia_TR2	339	Z	FD	glo	-1.500		
457	Perm_pavim_TR2_-	286	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	523	Perm_sicurvia_TR2	288	Z	FD	glo	-1.500		
458	Perm_pavim_TR2_-	287	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	524	Perm_sicurvia_TR2	340	Z	FD	glo	-1.500		
459	Perm_pavim_TR2_-	290	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	525	Perm_sicurvia_TR2	289	Z	FD	glo	-1.500		
460	Perm_pavim_TR2_-	291	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	526	Perm_sicurvia_TR2	341	Z	FD	glo	-1.500		
461	Perm_pavim_TR2_-	292	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	527	Perm_sicurvia_TR2_-	274	Rx	CD	loc	-294.0	-	294.0
462	Perm_pavim_TR2_-	293	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	528	Perm_sicurvia_TR2_-	277	Rx	CD	loc	-294.0	-	294.0
463	Perm_pavim_TR2_-	294	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	529	Perm_sicurvia_TR2_-	278	Rx	CD	loc	-294.0	-	294.0
464	Perm_pavim_TR2_-	295	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	530	Perm_sicurvia_TR2_-	281	Rx	CD	loc	-294.0	-	294.0
465	Perm_pavim_TR2_-	296	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	531	Perm_sicurvia_TR2_-	282	Rx	CD	loc	-294.0	-	294.0
466	Perm_pavim_TR2_-	297	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	532	Perm_sicurvia_TR2_-	285	Rx	CD	loc	-294.0	-	294.0
467	Perm_pavim_TR2_-	298	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	533	Perm_sicurvia_TR2_-	286	Rx	CD	loc	-294.0	-	294.0
468	Perm_pavim_TR2_-	299	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	534	Perm_sicurvia_TR2_-	287	Rx	CD	loc	-294.0	-	294.0
469	Perm_pavim_TR2_-	300	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	535	Perm_sicurvia_TR2_-	290	Rx	CD	loc	-294.0	-	294.0
470	Perm_pavim_TR2_-	301	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	536	Perm_sicurvia_TR2_-	291	Rx	CD	loc	-294.0	-	294.0
471	Perm_pavim_TR2_-	302	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	537	Perm_sicurvia_TR2_-	292	Rx	CD	loc	-294.0	-	294.0
472	Perm_pavim_TR2_-	303	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	538	Perm_sicurvia_TR2_-	293	Rx	CD	loc	-294.0	-	294.0
473	Perm_pavim_TR2_-	275	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	539	Perm_sicurvia_TR2_-	294	Rx	CD	loc	-294.0	-	294.0
474	Perm_pavim_TR2_-	334	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	540	Perm_sicurvia_TR2_-	295	Rx	CD	loc	-294.0	-	294.0
475	Perm_pavim_TR2_-	276	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	541	Perm_sicurvia_TR2_-	296	Rx	CD	loc	-294.0	-	294.0
476	Perm_pavim_TR2_-	335	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	542	Perm_sicurvia_TR2_-	297	Rx	CD	loc	-294.0	-	294.0
477	Perm_pavim_TR2_-	279	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	543	Perm_sicurvia_TR2_-	298	Rx	CD	loc	-294.0	-	294.0
478	Perm_pavim_TR2_-	336	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	544	Perm_sicurvia_TR2_-	299	Rx	CD	loc	-294.0	-	294.0
479	Perm_pavim_TR2_-	280	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	545	Perm_sicurvia_TR2_-	300	Rx	CD	loc	-294.0	-	294.0
480	Perm_pavim_TR2_-	337	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	546	Perm_sicurvia_TR2_-	301	Rx	CD	loc	-294.0	-	294.0
481	Perm_pavim_TR2_-	283	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	547	Perm_sicurvia_TR2_-	302	Rx	CD	loc	-294.0	-	294.0
482	Perm_pavim_TR2_-	338	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	548	Perm_sicurvia_TR2_-	303	Rx	CD	loc	-294.0	-	294.0
483	Perm_pavim_TR2_-	284	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	549	Perm_sicurvia_TR2_-	275	Rx	CD	loc	-294.0	-	294.0
484	Perm_pavim_TR2_-	339	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	550	Perm_sicurvia_TR2_-	334	Rx	CD	loc	-294.0	-	294.0
485	Perm_pavim_TR2_-	288	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	551	Perm_sicurvia_TR2_-	276	Rx	CD	loc	-294.0	-	294.0
486	Perm_pavim_TR2_-	340	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	552	Perm_sicurvia_TR2_-	335	Rx	CD	loc	-294.0	-	294.0
487	Perm_pavim_TR2_-	289	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	553	Perm_sicurvia_TR2_-	279	Rx	CD	loc	-294.0	-	294.0
488	Perm_pavim_TR2_-	341	Rx	CD	loc	-163.0	-	163.0	0.000	0.000	554	Perm_sicurvia_TR2_-	336	Rx	CD	loc	-294.0	-	294.0
489	Perm_sicurvia_TR2	274	Z	FD	glo	-1.500		294.0	0.000	0.000	555	Perm_sicurvia_TR2_-	280	Rx	CD	loc	-294.0	-	294.0
490	Perm_sicurvia_TR2	277	Z	FD	glo	-1.500		294.0	0.000	0.000	556	Perm_sicurvia_TR2_-	337	Rx	CD	loc	-294.0	-	294.0
491	Perm_sicurvia_TR2	278	Z	FD	glo	-1.500		294.0	0.000	0.000	557	Perm_sicurvia_TR2_-	283	Rx	CD	loc	-294.0	-	294.0
492	Perm_sicurvia_TR2	281	Z	FD	glo	-1.500		294.0	0.000	0.000	558	Perm_sicurvia_TR2_-	338	Rx	CD	loc	-294.0	-	294.0
493	Perm_sicurvia_TR2	282	Z	FD	glo	-1.500		294.0	0.000	0.000	559	Perm_sicurvia_TR2_-	284	Rx	CD	loc	-294.0	-	294.0
494	Perm_sicurvia_TR2	285	Z	FD	glo	-1.500		294.0	0.000	0.000	560	Perm_sicurvia_TR2_-	339	Rx	CD	loc	-294.0	-	294.0
495	Perm_sicurvia_TR2	286	Z	FD	glo	-1.500		294.0	0.000	0.000	561	Perm_sicurvia_TR2_-	288	Rx	CD	loc	-294.0	-	294.0
496	Perm_sicurvia_TR2	287	Z	FD	glo	-1.500		294.0	0.000	0.000	562	Perm_sicurvia_TR2_-	340	Rx	CD	loc	-294.0	-	294.0
497	Perm_sicurvia_TR2	290	Z	FD	glo	-1.500		294.0	0.000	0.000	563	Perm_sicurvia_TR2_-	289	Rx	CD	loc	-294.0	-	294.0
498	Perm_sicurvia_TR2	291	Z	FD	glo	-1.500		294.0	0.000	0.000	564	Perm_sicurvia_TR2_-	341	Rx	CD	loc	-294.0	-	294.0
499	Perm_sicurvia_TR2	292	Z	FD	glo	-1.500		294.0	0.000	0.000	565	Perm_rete_TR2	274	Z	FD	glo	-1.500		
500	Perm_sicurvia_TR2	293	Z	FD	glo	-1.500		294.0	0.000	0.000	566	Perm_rete_TR2	277	Z	FD	glo	-1.500		
501	Perm_sicurvia_TR2	294	Z	FD	glo	-1.500		294.0	0.000	0.000	567	Perm_rete_TR2	278	Z	FD	glo	-1.500		
502	Perm_sicurvia_TR2	295	Z	FD	glo	-1.500		294.0	0.000	0.000	568	Perm_rete_TR2	281	Z	FD	glo	-1.500		
503	Perm_sicurvia_TR2	296	Z	FD	glo	-1.500		294.0	0.000	0.000	569	Perm_rete_TR2	282	Z	FD	glo	-1.500		
504	Perm_sicurvia_TR2	297	Z	FD	glo	-1.500		294.0	0.000	0.000	570	Perm_rete_TR2	285	Z	FD	glo	-1.500		
505	Perm_sicurvia_TR2	298	Z	FD	glo	-1.500		294.0	0.000	0.000	571	Perm_rete_TR2	286	Z	FD	glo	-1.500		
506	Perm_sicurvia_TR2	299	Z	FD	glo	-1.500		294.0	0.000	0.000	572	Perm_rete_TR2	287	Z	FD	glo	-1.500		
507	Perm_sicurvia_TR2	300	Z	FD	glo	-1.500		294.0	0.000	0.000	573	Perm_rete_TR2	290	Z	FD	glo	-1.500		
508	Perm_sicurvia_TR2	301	Z	FD	glo	-1.500		294.0	0.000	0.000	574	Perm_rete_TR2	291	Z	FD	glo	-1.500		
509	Perm_sicurvia_TR2	302	Z	FD	glo	-1.500		294.0	0.000	0.000	575	Perm_rete_TR2	292	Z	FD	glo	-1.500		
510	Perm_sicurvia_TR2	303	Z	FD	glo	-1.500		294.0	0.000	0.000	576	Perm_rete_TR2	293	Z	FD	glo	-1.500		
511	Perm_sicurvia_TR2	275	Z	FD	glo	-1.500		294.0	0.000	0.000	577	Perm_rete_TR2	294	Z	FD	glo	-1.500		
512	Perm_sicurvia_TR2	334	Z	FD	glo	-1.500		294.0	0.000	0.000	578	Perm_rete_TR2	295	Z	FD	glo	-1.500		
513	Perm_sicurvia_TR2	276	Z	FD	glo	-1.500		294.0	0.000	0.000	579	Perm_rete_TR2	296	Z	FD	glo	-1.500		
514	Perm_sicurvia_TR2	335	Z	FD	glo	-1.500		294.0	0.000	0.000	580	Perm_rete_TR2	297	Z	FD	glo	-1.500		
515	Perm_sicurvia_TR2	279	Z	FD	glo	-1.500		294.0	0.000	0.000	581	Perm_rete_TR2	298	Z	FD	glo	-1.500		
516	Perm_sicurvia_TR2	336	Z	FD	glo	-1.500		294.0	0.000	0.000	582	Perm_rete_TR2	299	Z	FD	glo	-1.500		
517	Perm_sicurvia_TR2	280	Z	FD	glo	-1.500		294.0	0.000	0.000									
518	Perm_sicurvia_TR2	337	Z	FD	glo	-1.500		294.0	0.000	0.000									
519	Perm_sicurvia_TR2	283	Z	FD	glo	-1.500		294.0	0.000	0.000									
520	Perm_sicurvia_TR2	338	Z	FD	glo	-1.500		294.0	0.000	0.000									
521	Perm_sicurvia_TR2	284	Z	FD	glo	-1.500		294.0	0.000	0.000									

Allegato A

Allegato A: strutture analizzate

583	Perm_rete_TR2	300	Z	FD	glo	-1.500				644	Var_C1_TR1					311	Z	FD	glo	-7.306			
584	Perm_rete_TR2	301	Z	FD	glo	-1.500				645	Var_C1_TR1					312	Z	FD	glo	-7.306			
585	Perm_rete_TR2	302	Z	FD	glo	-1.500				646	Var_C1_TR1					315	Z	FD	glo	-7.306			
586	Perm_rete_TR2	303	Z	FD	glo	-1.500				647	Var_C1_TR1					316	Z	FD	glo	-7.306			
587	Perm_rete_TR2	275	Z	FD	glo	-1.500				648	Var_C1_TR1					317	Z	FD	glo	-7.306			
588	Perm_rete_TR2	334	Z	FD	glo	-1.500				649	Var_C1_TR1					320	Z	FD	glo	-7.306			
589	Perm_rete_TR2	276	Z	FD	glo	-1.500				650	Var_C1_TR1					321	Z	FD	glo	-7.306			
590	Perm_rete_TR2	335	Z	FD	glo	-1.500				651	Var_C1_TR1					322	Z	FD	glo	-7.306			
591	Perm_rete_TR2	279	Z	FD	glo	-1.500				652	Var_C1_TR1					323	Z	FD	glo	-7.306			
592	Perm_rete_TR2	336	Z	FD	glo	-1.500				653	Var_C1_TR1					324	Z	FD	glo	-7.306			
593	Perm_rete_TR2	280	Z	FD	glo	-1.500				654	Var_C1_TR1					325	Z	FD	glo	-7.306			
594	Perm_rete_TR2	337	Z	FD	glo	-1.500				655	Var_C1_TR1					326	Z	FD	glo	-7.306			
595	Perm_rete_TR2	283	Z	FD	glo	-1.500				656	Var_C1_TR1					327	Z	FD	glo	-7.306			
596	Perm_rete_TR2	338	Z	FD	glo	-1.500				657	Var_C1_TR1					328	Z	FD	glo	-7.306			
597	Perm_rete_TR2	284	Z	FD	glo	-1.500				658	Var_C1_TR1					329	Z	FD	glo	-7.306			
598	Perm_rete_TR2	339	Z	FD	glo	-1.500				659	Var_C1_TR1					330	Z	FD	glo	-7.306			
599	Perm_rete_TR2	288	Z	FD	glo	-1.500				660	Var_C1_TR1					331	Z	FD	glo	-7.306			
600	Perm_rete_TR2	340	Z	FD	glo	-1.500				661	Var_C1_TR1					332	Z	FD	glo	-7.306			
601	Perm_rete_TR2	289	Z	FD	glo	-1.500				662	Var_C1_TR1					333	Z	FD	glo	-7.306			
602	Perm_rete_TR2	341	Z	FD	glo	-1.500				663	Var_C1_TR1					305	Z	FD	glo	-7.306			
603	Perm_rete_TR2_-	274	Rx	CD	loc	-419.0	-	664	Var_C1_TR1							342	Z	FD	glo	-7.306			
419.0	0.000	0.000						665	Var_C1_TR1							306	Z	FD	glo	-7.306			
604	Perm_rete_TR2_-	277	Rx	CD	loc	-419.0	-	666	Var_C1_TR1							343	Z	FD	glo	-7.306			
419.0	0.000	0.000						667	Var_C1_TR1							309	Z	FD	glo	-7.306			
605	Perm_rete_TR2_-	278	Rx	CD	loc	-419.0	-	668	Var_C1_TR1							344	Z	FD	glo	-7.306			
419.0	0.000	0.000						669	Var_C1_TR1							310	Z	FD	glo	-7.306			
606	Perm_rete_TR2_-	281	Rx	CD	loc	-419.0	-	670	Var_C1_TR1							345	Z	FD	glo	-7.306			
419.0	0.000	0.000						671	Var_C1_TR1							313	Z	FD	glo	-7.306			
607	Perm_rete_TR2_-	282	Rx	CD	loc	-419.0	-	672	Var_C1_TR1							346	Z	FD	glo	-7.306			
419.0	0.000	0.000						673	Var_C1_TR1							314	Z	FD	glo	-7.306			
608	Perm_rete_TR2_-	285	Rx	CD	loc	-419.0	-	674	Var_C1_TR1							347	Z	FD	glo	-7.306			
419.0	0.000	0.000						675	Var_C1_TR1							318	Z	FD	glo	-7.306			
609	Perm_rete_TR2_-	286	Rx	CD	loc	-419.0	-	676	Var_C1_TR1							348	Z	FD	glo	-7.306			
419.0	0.000	0.000						677	Var_C1_TR1							319	Z	FD	glo	-7.306			
610	Perm_rete_TR2_-	287	Rx	CD	loc	-419.0	-	678	Var_C1_TR1							349	Z	FD	glo	-7.306			
419.0	0.000	0.000						679	Var_C1_TR1_+							304	Rx	CD	loc	526.2			
611	Perm_rete_TR2_-	290	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						680	Var_C1_TR1_+							307	Rx	CD	loc	526.2			
612	Perm_rete_TR2_-	291	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						681	Var_C1_TR1_+							308	Rx	CD	loc	526.2			
613	Perm_rete_TR2_-	292	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						682	Var_C1_TR1_+							311	Rx	CD	loc	526.2			
614	Perm_rete_TR2_-	293	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						683	Var_C1_TR1_+							312	Rx	CD	loc	526.2			
615	Perm_rete_TR2_-	294	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						684	Var_C1_TR1_+							315	Rx	CD	loc	526.2			
616	Perm_rete_TR2_-	295	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						685	Var_C1_TR1_+							316	Rx	CD	loc	526.2			
617	Perm_rete_TR2_-	296	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						686	Var_C1_TR1_+							317	Rx	CD	loc	526.2			
618	Perm_rete_TR2_-	297	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						687	Var_C1_TR1_+							320	Rx	CD	loc	526.2			
619	Perm_rete_TR2_-	298	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						688	Var_C1_TR1_+							321	Rx	CD	loc	526.2			
620	Perm_rete_TR2_-	299	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						689	Var_C1_TR1_+							322	Rx	CD	loc	526.2			
621	Perm_rete_TR2_-	300	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						690	Var_C1_TR1_+							323	Rx	CD	loc	526.2			
622	Perm_rete_TR2_-	301	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						691	Var_C1_TR1_+							324	Rx	CD	loc	526.2			
623	Perm_rete_TR2_-	302	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						692	Var_C1_TR1_+							325	Rx	CD	loc	526.2			
624	Perm_rete_TR2_-	303	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						693	Var_C1_TR1_+							326	Rx	CD	loc	526.2			
625	Perm_rete_TR2_-	275	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						694	Var_C1_TR1_+							327	Rx	CD	loc	526.2			
626	Perm_rete_TR2_-	334	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						695	Var_C1_TR1_+							328	Rx	CD	loc	526.2			
627	Perm_rete_TR2_-	276	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						696	Var_C1_TR1_+							329	Rx	CD	loc	526.2			
628	Perm_rete_TR2_-	335	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						697	Var_C1_TR1_+							330	Rx	CD	loc	526.2			
629	Perm_rete_TR2_-	279	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						698	Var_C1_TR1_+							331	Rx	CD	loc	526.2			
630	Perm_rete_TR2_-	336	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						699	Var_C1_TR1_+							332	Rx	CD	loc	526.2			
631	Perm_rete_TR2_-	280	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						700	Var_C1_TR1_+							333	Rx	CD	loc	526.2			
632	Perm_rete_TR2_-	337	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						701	Var_C1_TR1_+							305	Rx	CD	loc	526.2			
633	Perm_rete_TR2_-	283	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						702	Var_C1_TR1_+							342	Rx	CD	loc	526.2			
634	Perm_rete_TR2_-	338	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						703	Var_C1_TR1_+							306	Rx	CD	loc	526.2			
635	Perm_rete_TR2_-	284	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						704	Var_C1_TR1_+							343	Rx	CD	loc	526.2			
636	Perm_rete_TR2_-	339	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						705	Var_C1_TR1_+							309	Rx	CD	loc	526.2			
637	Perm_rete_TR2_-	288	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						706	Var_C1_TR1_+							344	Rx	CD	loc	526.2			
638	Perm_rete_TR2_-	340	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						707	Var_C1_TR1_+							310	Rx	CD	loc	526.2			
639	Perm_rete_TR2_-	289	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						708	Var_C1_TR1_+							345	Rx	CD	loc	526.2			
640	Perm_rete_TR2_-	341	Rx	CD	loc	-419.0	-	526.2	0.000	0.000													
419.0	0.000	0.000						709	Var_C1_TR1_+							313	Rx	CD	loc	526.2			
641	Var_C1_TR1	304	Z	FD	glo	-7.306		526.2	0.000	0.000													
642	Var_C1_TR1	307	Z	FD	glo	-7.306		710	Var_C1_TR1_+							346	Rx	CD	loc	526.2			
643	Var_C1_TR1	308	Z	FD	glo	-7.306		526.2	0.000	0.000													

Allegato A

Allegato A: strutture analizzate

711	Var_C1_TR1_+	314	Rx	CD	loc	526.2	526.2	0.000	0.000	779	Var_C2_TR1_-	306	Rx	CD	loc	-78.0	-	78.0	0.000	0.000
712	Var_C1_TR1_+	347	Rx	CD	loc	526.2	526.2	0.000	0.000	780	Var_C2_TR1_-	343	Rx	CD	loc	-78.0	-	78.0	0.000	0.000
713	Var_C1_TR1_+	318	Rx	CD	loc	526.2	526.2	0.000	0.000	781	Var_C2_TR1_-	309	Rx	CD	loc	-78.0	-	78.0	0.000	0.000
714	Var_C1_TR1_+	348	Rx	CD	loc	526.2	526.2	0.000	0.000	782	Var_C2_TR1_-	344	Rx	CD	loc	-78.0	-	78.0	0.000	0.000
715	Var_C1_TR1_+	319	Rx	CD	loc	526.2	526.2	0.000	0.000	783	Var_C2_TR1_-	310	Rx	CD	loc	-78.0	-	78.0	0.000	0.000
716	Var_C1_TR1_+	349	Rx	CD	loc	526.2	526.2	0.000	0.000	784	Var_C2_TR1_-	345	Rx	CD	loc	-78.0	-	78.0	0.000	0.000
717	Var_C2_TR1	304	Z	FD	glo	-0.850				785	Var_C2_TR1_-	313	Rx	CD	loc	-78.0	-	78.0	0.000	0.000
718	Var_C2_TR1	307	Z	FD	glo	-0.850				786	Var_C2_TR1_-	346	Rx	CD	loc	-78.0	-	78.0	0.000	0.000
719	Var_C2_TR1	308	Z	FD	glo	-0.850				787	Var_C2_TR1_-	314	Rx	CD	loc	-78.0	-	78.0	0.000	0.000
720	Var_C2_TR1	311	Z	FD	glo	-0.850				788	Var_C2_TR1_-	347	Rx	CD	loc	-78.0	-	78.0	0.000	0.000
721	Var_C2_TR1	312	Z	FD	glo	-0.850				789	Var_C2_TR1_-	318	Rx	CD	loc	-78.0	-	78.0	0.000	0.000
722	Var_C2_TR1	315	Z	FD	glo	-0.850				790	Var_C2_TR1_-	348	Rx	CD	loc	-78.0	-	78.0	0.000	0.000
723	Var_C2_TR1	316	Z	FD	glo	-0.850				791	Var_C2_TR1_-	319	Rx	CD	loc	-78.0	-	78.0	0.000	0.000
724	Var_C2_TR1	317	Z	FD	glo	-0.850				792	Var_C2_TR1_-	349	Rx	CD	loc	-78.0	-	78.0	0.000	0.000
725	Var_C2_TR1	320	Z	FD	glo	-0.850				793	Var_C2_TR2	274	Z	FD	glo	-6.450				
726	Var_C2_TR1	321	Z	FD	glo	-0.850				794	Var_C2_TR2	277	Z	FD	glo	-6.450				
727	Var_C2_TR1	322	Z	FD	glo	-0.850				795	Var_C2_TR2	278	Z	FD	glo	-6.450				
728	Var_C2_TR1	323	Z	FD	glo	-0.850				796	Var_C2_TR2	281	Z	FD	glo	-6.450				
729	Var_C2_TR1	324	Z	FD	glo	-0.850				797	Var_C2_TR2	282	Z	FD	glo	-6.450				
730	Var_C2_TR1	325	Z	FD	glo	-0.850				798	Var_C2_TR2	285	Z	FD	glo	-6.450				
731	Var_C2_TR1	326	Z	FD	glo	-0.850				799	Var_C2_TR2	286	Z	FD	glo	-6.450				
732	Var_C2_TR1	327	Z	FD	glo	-0.850				800	Var_C2_TR2	287	Z	FD	glo	-6.450				
733	Var_C2_TR1	328	Z	FD	glo	-0.850				801	Var_C2_TR2	290	Z	FD	glo	-6.450				
734	Var_C2_TR1	329	Z	FD	glo	-0.850				802	Var_C2_TR2	291	Z	FD	glo	-6.450				
735	Var_C2_TR1	330	Z	FD	glo	-0.850				803	Var_C2_TR2	292	Z	FD	glo	-6.450				
736	Var_C2_TR1	331	Z	FD	glo	-0.850				804	Var_C2_TR2	293	Z	FD	glo	-6.450				
737	Var_C2_TR1	332	Z	FD	glo	-0.850				805	Var_C2_TR2	294	Z	FD	glo	-6.450				
738	Var_C2_TR1	333	Z	FD	glo	-0.850				806	Var_C2_TR2	295	Z	FD	glo	-6.450				
739	Var_C2_TR1	305	Z	FD	glo	-0.850				807	Var_C2_TR2	296	Z	FD	glo	-6.450				
740	Var_C2_TR1	342	Z	FD	glo	-0.850				808	Var_C2_TR2	297	Z	FD	glo	-6.450				
741	Var_C2_TR1	306	Z	FD	glo	-0.850				809	Var_C2_TR2	298	Z	FD	glo	-6.450				
742	Var_C2_TR1	343	Z	FD	glo	-0.850				810	Var_C2_TR2	299	Z	FD	glo	-6.450				
743	Var_C2_TR1	309	Z	FD	glo	-0.850				811	Var_C2_TR2	300	Z	FD	glo	-6.450				
744	Var_C2_TR1	344	Z	FD	glo	-0.850				812	Var_C2_TR2	301	Z	FD	glo	-6.450				
745	Var_C2_TR1	310	Z	FD	glo	-0.850				813	Var_C2_TR2	302	Z	FD	glo	-6.450				
746	Var_C2_TR1	345	Z	FD	glo	-0.850				814	Var_C2_TR2	303	Z	FD	glo	-6.450				
747	Var_C2_TR1	313	Z	FD	glo	-0.850				815	Var_C2_TR2	275	Z	FD	glo	-6.450				
748	Var_C2_TR1	346	Z	FD	glo	-0.850				816	Var_C2_TR2	334	Z	FD	glo	-6.450				
749	Var_C2_TR1	314	Z	FD	glo	-0.850				817	Var_C2_TR2	276	Z	FD	glo	-6.450				
750	Var_C2_TR1	347	Z	FD	glo	-0.850				818	Var_C2_TR2	335	Z	FD	glo	-6.450				
751	Var_C2_TR1	318	Z	FD	glo	-0.850				819	Var_C2_TR2	279	Z	FD	glo	-6.450				
752	Var_C2_TR1	348	Z	FD	glo	-0.850				820	Var_C2_TR2	336	Z	FD	glo	-6.450				
753	Var_C2_TR1	319	Z	FD	glo	-0.850				821	Var_C2_TR2	280	Z	FD	glo	-6.450				
754	Var_C2_TR1	349	Z	FD	glo	-0.850				822	Var_C2_TR2	337	Z	FD	glo	-6.450				
755	Var_C2_TR1_-	304	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	823	Var_C2_TR2	283	Z	FD	glo	-6.450				
756	Var_C2_TR1_-	307	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	824	Var_C2_TR2	338	Z	FD	glo	-6.450				
757	Var_C2_TR1_-	308	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	825	Var_C2_TR2	284	Z	FD	glo	-6.450				
758	Var_C2_TR1_-	311	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	826	Var_C2_TR2	339	Z	FD	glo	-6.450				
759	Var_C2_TR1_-	312	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	827	Var_C2_TR2	288	Z	FD	glo	-6.450				
760	Var_C2_TR1_-	315	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	828	Var_C2_TR2	340	Z	FD	glo	-6.450				
761	Var_C2_TR1_-	316	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	829	Var_C2_TR2	289	Z	FD	glo	-6.450				
762	Var_C2_TR1_-	317	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	830	Var_C2_TR2	341	Z	FD	glo	-6.450				
763	Var_C2_TR1_-	320	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	831	Var_C2_TR2_-	274	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
764	Var_C2_TR1_-	321	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	832	Var_C2_TR2_-	277	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
765	Var_C2_TR1_-	322	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	833	Var_C2_TR2_-	278	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
766	Var_C2_TR1_-	323	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	834	Var_C2_TR2_-	281	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
767	Var_C2_TR1_-	324	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	835	Var_C2_TR2_-	282	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
768	Var_C2_TR1_-	325	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	836	Var_C2_TR2_-	285	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
769	Var_C2_TR1_-	326	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	837	Var_C2_TR2_-	286	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
770	Var_C2_TR1_-	327	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	838	Var_C2_TR2_-	287	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
771	Var_C2_TR1_-	328	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	839	Var_C2_TR2_-	290	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
772	Var_C2_TR1_-	329	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	840	Var_C2_TR2_-	291	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
773	Var_C2_TR1_-	330	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	841	Var_C2_TR2_-	292	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
774	Var_C2_TR1_-	331	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	842	Var_C2_TR2_-	293	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
775	Var_C2_TR1_-	332	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	843	Var_C2_TR2_-	294	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
776	Var_C2_TR1_-	333	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	844	Var_C2_TR2_-	295	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
777	Var_C2_TR1_-	305	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	845	Var_C2_TR2_-	296	Rx	CD	loc	-136.0	-	136.0	0.000	0.000
778	Var_C2_TR1_-	342	Rx	CD	loc	-78.0	-	78.0	0.000	0.000	846	Var_C2_TR2_-	297	Rx	CD	loc	-136.0	-	136.0	0.000	0.000

Allegato A

Allegato A: strutture analizzate

```
   847 Var_C2_TR2_-            298  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   848 Var_C2_TR2_-            299  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   849 Var_C2_TR2_-            300  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   850 Var_C2_TR2_-            301  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   851 Var_C2_TR2_-            302  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   852 Var_C2_TR2_-            303  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   853 Var_C2_TR2_-            275  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   854 Var_C2_TR2_-            334  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   855 Var_C2_TR2_-            276  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   856 Var_C2_TR2_-            335  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   857 Var_C2_TR2_-            279  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   858 Var_C2_TR2_-            336  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   859 Var_C2_TR2_-            280  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   860 Var_C2_TR2_-            337  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   861 Var_C2_TR2_-            283  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   862 Var_C2_TR2_-            338  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   863 Var_C2_TR2_-            284  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   864 Var_C2_TR2_-            339  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   865 Var_C2_TR2_-            288  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   866 Var_C2_TR2_-            340  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   867 Var_C2_TR2_-            289  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   868 Var_C2_TR2_-            341  Rx  CD loc      -136.0     -
136.0      0.000      0.000
   869 Var_AR_TR2              274  Z   FD glo      -3.125
   870 Var_AR_TR2              277  Z   FD glo      -3.125
   871 Var_AR_TR2              278  Z   FD glo      -3.125
   872 Var_AR_TR2              281  Z   FD glo      -3.125
   873 Var_AR_TR2              282  Z   FD glo      -3.125
   874 Var_AR_TR2              285  Z   FD glo      -3.125
   875 Var_AR_TR2              286  Z   FD glo      -3.125
   876 Var_AR_TR2              287  Z   FD glo      -3.125
   877 Var_AR_TR2              290  Z   FD glo      -3.125
   878 Var_AR_TR2              291  Z   FD glo      -3.125
   879 Var_AR_TR2              292  Z   FD glo      -3.125
   880 Var_AR_TR2              293  Z   FD glo      -3.125
   881 Var_AR_TR2              294  Z   FD glo      -3.125
   882 Var_AR_TR2              295  Z   FD glo      -3.125
   883 Var_AR_TR2              296  Z   FD glo      -3.125
   884 Var_AR_TR2              297  Z   FD glo      -3.125
   885 Var_AR_TR2              298  Z   FD glo      -3.125
   886 Var_AR_TR2              299  Z   FD glo      -3.125
   887 Var_AR_TR2              300  Z   FD glo      -3.125
   888 Var_AR_TR2              301  Z   FD glo      -3.125
   889 Var_AR_TR2              302  Z   FD glo      -3.125
   890 Var_AR_TR2              303  Z   FD glo      -3.125
   891 Var_AR_TR2              275  Z   FD glo      -3.125
   892 Var_AR_TR2              334  Z   FD glo      -3.125
   893 Var_AR_TR2              276  Z   FD glo      -3.125
   894 Var_AR_TR2              335  Z   FD glo      -3.125
   895 Var_AR_TR2              279  Z   FD glo      -3.125
   896 Var_AR_TR2              336  Z   FD glo      -3.125
   897 Var_AR_TR2              280  Z   FD glo      -3.125
   898 Var_AR_TR2              337  Z   FD glo      -3.125
   899 Var_AR_TR2              283  Z   FD glo      -3.125
   900 Var_AR_TR2              338  Z   FD glo      -3.125
   901 Var_AR_TR2              284  Z   FD glo      -3.125
   902 Var_AR_TR2              339  Z   FD glo      -3.125
   903 Var_AR_TR2              288  Z   FD glo      -3.125
   904 Var_AR_TR2              340  Z   FD glo      -3.125
   905 Var_AR_TR2              289  Z   FD glo      -3.125
   906 Var_AR_TR2              341  Z   FD glo      -3.125
   907 Var_AR_TR2_-            274  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   908 Var_AR_TR2_-            277  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   909 Var_AR_TR2_-            278  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   910 Var_AR_TR2_-            281  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   911 Var_AR_TR2_-            282  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   912 Var_AR_TR2_-            285  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   913 Var_AR_TR2_-            286  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   914 Var_AR_TR2_-            287  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   915 Var_AR_TR2_-            290  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   916 Var_AR_TR2_-            291  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   917 Var_AR_TR2_-            292  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   918 Var_AR_TR2_-            293  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   919 Var_AR_TR2_-            294  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   920 Var_AR_TR2_-            295  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   921 Var_AR_TR2_-            296  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   922 Var_AR_TR2_-            297  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   923 Var_AR_TR2_-            298  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   924 Var_AR_TR2_-            299  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   925 Var_AR_TR2_-            300  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   926 Var_AR_TR2_-            301  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   927 Var_AR_TR2_-            302  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   928 Var_AR_TR2_-            303  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   929 Var_AR_TR2_-            275  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   930 Var_AR_TR2_-            334  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   931 Var_AR_TR2_-            276  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   932 Var_AR_TR2_-            335  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   933 Var_AR_TR2_-            279  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   934 Var_AR_TR2_-            336  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   935 Var_AR_TR2_-            280  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   936 Var_AR_TR2_-            337  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   937 Var_AR_TR2_-            283  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   938 Var_AR_TR2_-            338  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   939 Var_AR_TR2_-            284  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   940 Var_AR_TR2_-            339  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   941 Var_AR_TR2_-            288  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   942 Var_AR_TR2_-            340  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   943 Var_AR_TR2_-            289  Rx  CD loc      -664.0     -
664.0      0.000      0.000
   944 Var_AR_TR2_-            341  Rx  CD loc      -664.0     -
664.0      0.000      0.000

PESI PROPRI ASTE--|-----------|-----------|-----------|-----------
|-----------|
  Cond.  Nome Carichi          Aste
     2   945-946               272-273

CARICHI DI LINEA   |-----------|-----------|-----------|----------
-|num.=      0
                numero coordinata                      Intensità
  Nome          inizio       fine   Cond. Direz.   inizio       fine
Descrizione

CONDIZIONI DI CARICO----------|-----------|-----------|-----------
|num.=     17
  Nome
     1   Peso_proprio_travi   N. carichi:   76
         Lista carichi: 33-108

     2  Peso_proprio_solett   N. carichi:  154
         Lista carichi: 109-260, 945-946

     3         Perm_cordoli   N. carichi:   76
         Lista carichi: 261-336

     4  Perm_pavimentazione   N. carichi:  152
         Lista carichi: 337-488

     5        Perm_sicurvia   N. carichi:   76
         Lista carichi: 489-564

     6  Perm_rete_e_veletta   N. carichi:   76
         Lista carichi: 565-640

     7             Distr_C1   N. carichi:   76
         Lista carichi: 641-716

     8             Distr_C2   N. carichi:  152
         Lista carichi: 717-868
```

Allegato A

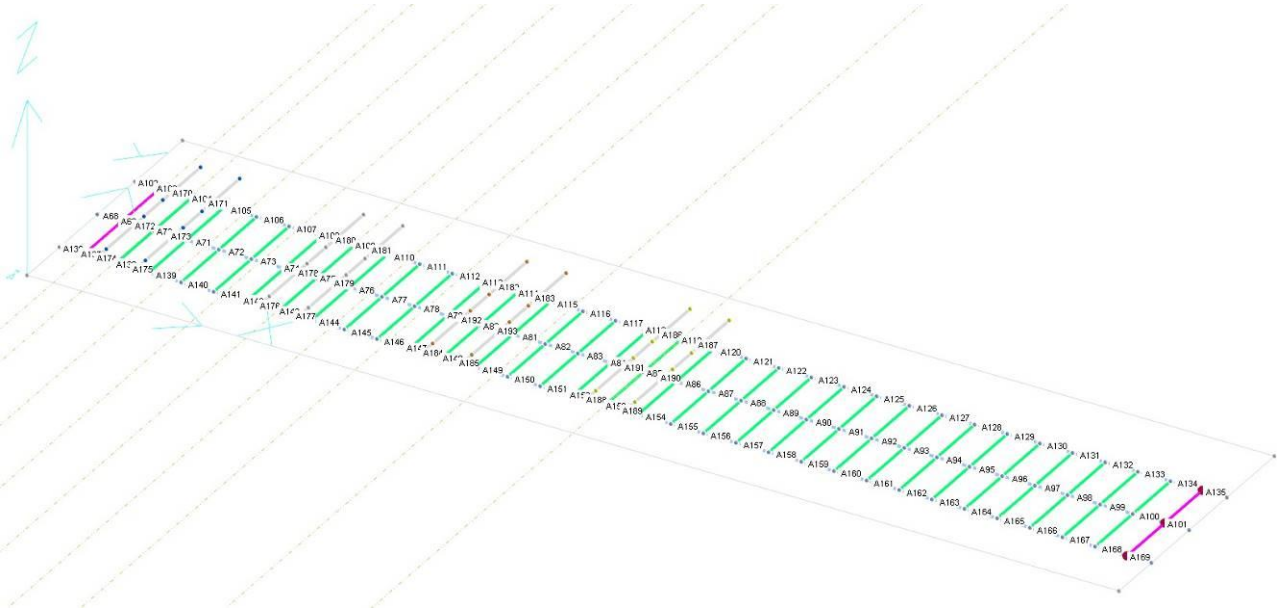
Allegato A: strutture analizzate

```
     9  Distr_Area_rimanent   N. carichi:   76
        Lista carichi: 869-944

    10              Q_C1_MM   N. carichi:    4
        Lista carichi: 1-4

    11              Q_C1_MV   N. carichi:    4
        Lista carichi: 5-8

    12              Q_C1_VM   N. carichi:    4
        Lista carichi: 9-12

    13              Q_C1_VV   N. carichi:    4
        Lista carichi: 13-16

    14              Q_C2_MM   N. carichi:    4
        Lista carichi: 17-20

    15              Q_C2_MV   N. carichi:    4
        Lista carichi: 21-24

    16              Q_C2_VM   N. carichi:    4
        Lista carichi: 25-28

    17              Q_C2_VV   N. carichi:    4
        Lista carichi: 29-32

  RISULTANTI DEI CARICHI (punto di applicazione nell'origine degli
assi):
  cond.         FX            FY            FZ            MX
MY            MZ
     1  0.000000E+00  0.000000E+00 -1.225495E+05 -3.988986E+07
1.809443E+08  0.000000E+00
     2  0.000000E+00  0.000000E+00 -1.999365E+05 -7.062255E+07
2.952062E+08  0.000000E+00
     3  0.000000E+00  0.000000E+00 -2.769914E+04 -1.788201E+07
4.089778E+07  0.000000E+00
     4  0.000000E+00  0.000000E+00 -5.164797E+04 -1.509845E+07
7.625823E+07  0.000000E+00
     5  0.000000E+00  0.000000E+00 -4.429500E+03 -2.786156E+06
6.540157E+06  0.000000E+00
     6  0.000000E+00  0.000000E+00 -4.429500E+03 -3.155281E+06
6.540157E+06  0.000000E+00
     7  0.000000E+00  0.000000E+00 -2.157503E+04 -3.149626E+06
3.185553E+07  0.000000E+00
     8  0.000000E+00  0.000000E+00 -2.155690E+04 -9.426419E+06
3.182876E+07  0.000000E+00
     9  0.000000E+00  0.000000E+00 -9.228125E+03 -5.956570E+06
1.362533E+07  0.000000E+00
    10  0.000000E+00  0.000000E+00 -4.000200E+04 -5.840292E+06
5.906295E+07  0.000000E+00
    11  0.000000E+00  0.000000E+00 -4.000200E+04 -5.840292E+06
3.906195E+07  0.000000E+00
    12  0.000000E+00  0.000000E+00 -4.000200E+04 -5.840292E+06
2.306115E+07  0.000000E+00
    13  0.000000E+00  0.000000E+00 -4.000200E+04 -5.840292E+06
7.060353E+06  0.000000E+00
    14  0.000000E+00  0.000000E+00 -4.000000E+04 -1.752000E+07
5.906000E+07  0.000000E+00
    15  0.000000E+00  0.000000E+00 -4.000000E+04 -1.752000E+07
3.906000E+07  0.000000E+00
    16  0.000000E+00  0.000000E+00 -4.000000E+04 -1.752000E+07
2.306000E+07  0.000000E+00
    17  0.000000E+00  0.000000E+00 -4.000000E+04 -1.752000E+07
7.060000E+06  0.000000E+00
```

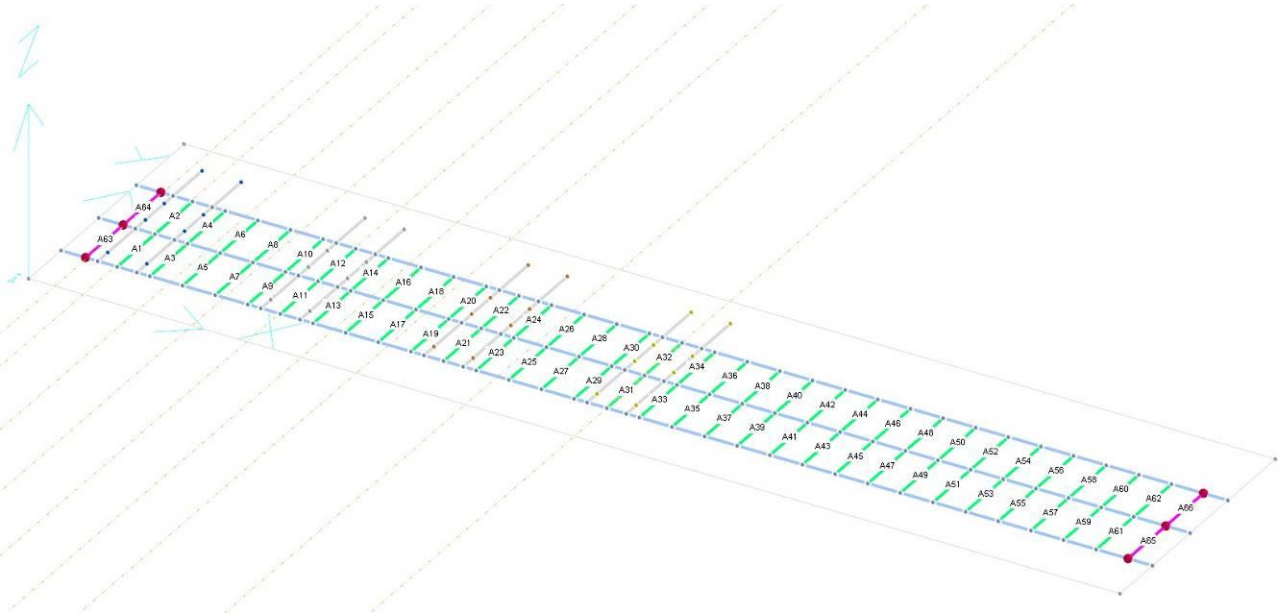
4. Allegato A - Struttura analizzata – Rampa N – Allineamenti [P3N – P4N]

4.1 MELAS4 – Modello struttura

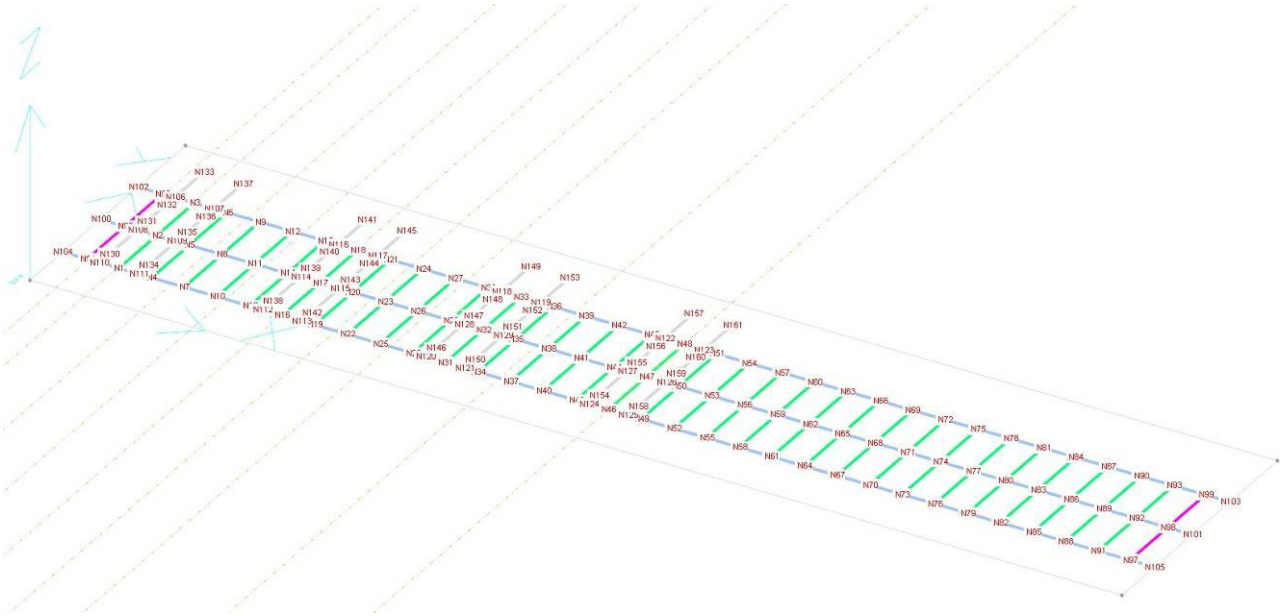
Numerazione aste e nodi:



MELAS4 – Numerazione aste travi



MELAS4– Numerazione aste soletta e traversi



MELAS4 – Numerazione nodi

```
*** DATI STRUTTURA

Unita` di misura :
LUNGHEZZE         : cm
SUPERFICI         : cm2
DATI SEZIONALI    : cm
ANGOLI            : gradi
FORZE             : daN
MOMENTI           : daNcm
CARICHI LINEARI   : daN/cm
CARICHI SUPERFIC.: daN/cm2
TENSIONI          : daN/cm2
PESI DI VOLUME    : daN/cm3
COEFF. DI WINKLER: daN/cm3
RIGIDEZZE VINCOL.: daN/cm - daNcm/rad

NODI--|-----------|-----------|-----------|-----------|-----------
|num.=    161
  Nome    Coord. X    Coord. Y    Coord. Z
     1     172.500     172.000       0.000
     2     172.500     372.000       0.000
     3     172.500     572.000       0.000
     4     272.500     172.000       0.000
     5     272.500     372.000       0.000
     6     272.500     572.000       0.000
     7     372.500     172.000       0.000
     8     372.500     372.000       0.000
     9     372.500     572.000       0.000
    10     472.500     172.000       0.000
    11     472.500     372.000       0.000
    12     472.500     572.000       0.000
    13     572.500     172.000       0.000
    14     572.500     372.000       0.000
    15     572.500     572.000       0.000
    16     672.500     172.000       0.000
    17     672.500     372.000       0.000
    18     672.500     572.000       0.000
    19     772.500     172.000       0.000
    20     772.500     372.000       0.000
    21     772.500     572.000       0.000
    22     872.500     172.000       0.000
    23     872.500     372.000       0.000
    24     872.500     572.000       0.000
    25     972.500     172.000       0.000
    26     972.500     372.000       0.000
    27     972.500     572.000       0.000
    28    1072.500     172.000       0.000
    29    1072.500     372.000       0.000
    30    1072.500     572.000       0.000
    31    1172.500     172.000       0.000
    32    1172.500     372.000       0.000
    33    1172.500     572.000       0.000
    34    1272.500     172.000       0.000
    35    1272.500     372.000       0.000
    36    1272.500     572.000       0.000
    37    1372.500     172.000       0.000
    38    1372.500     372.000       0.000
    39    1372.500     572.000       0.000
    40    1472.500     172.000       0.000
    41    1472.500     372.000       0.000
    42    1472.500     572.000       0.000
    43    1572.500     172.000       0.000
    44    1572.500     372.000       0.000
    45    1572.500     572.000       0.000
    46    1672.500     172.000       0.000
    47    1672.500     372.000       0.000
    48    1672.500     572.000       0.000
    49    1772.500     172.000       0.000
    50    1772.500     372.000       0.000
    51    1772.500     572.000       0.000
    52    1872.500     172.000       0.000
    53    1872.500     372.000       0.000
    54    1872.500     572.000       0.000
    55    1972.500     172.000       0.000
    56    1972.500     372.000       0.000
    57    1972.500     572.000       0.000
    58    2072.500     172.000       0.000
    59    2072.500     372.000       0.000
    60    2072.500     572.000       0.000
    61    2172.500     172.000       0.000
    62    2172.500     372.000       0.000
    63    2172.500     572.000       0.000
    64    2272.500     172.000       0.000
    65    2272.500     372.000       0.000
    66    2272.500     572.000       0.000
    67    2372.500     172.000       0.000
    68    2372.500     372.000       0.000
    69    2372.500     572.000       0.000
    70    2472.500     172.000       0.000
    71    2472.500     372.000       0.000
    72    2472.500     572.000       0.000
    73    2572.500     172.000       0.000
    74    2572.500     372.000       0.000
    75    2572.500     572.000       0.000
    76    2672.500     172.000       0.000
    77    2672.500     372.000       0.000
    78    2672.500     572.000       0.000
    79    2772.500     172.000       0.000
    80    2772.500     372.000       0.000
    81    2772.500     572.000       0.000
    82    2872.500     172.000       0.000
    83    2872.500     372.000       0.000
    84    2872.500     572.000       0.000
    85    2972.500     172.000       0.000
    86    2972.500     372.000       0.000
    87    2972.500     572.000       0.000
    88    3072.500     172.000       0.000
    89    3072.500     372.000       0.000
    90    3072.500     572.000       0.000
```

Allegato A

Allegato A: strutture analizzate

91	3172.500	172.000	0.000	
92	3172.500	372.000	0.000	
93	3172.500	572.000	0.000	
94	75.000	172.000	0.000	
95	75.000	372.000	0.000	
96	75.000	572.000	0.000	
97	3270.000	172.000	0.000	
98	3270.000	372.000	0.000	
99	3270.000	572.000	0.000	
100	0.000	372.000	0.000	
101	3345.000	372.000	0.000	
102	0.000	572.000	0.000	
103	3345.000	572.000	0.000	
104	0.000	172.000	0.000	
105	3345.000	172.000	0.000	
106	112.500	572.000	0.000	
107	232.500	572.000	0.000	
108	112.500	372.000	0.000	
109	232.500	372.000	0.000	
110	112.500	172.000	0.000	
111	232.500	172.000	0.000	
112	612.500	172.000	0.000	
113	732.500	172.000	0.000	
114	612.500	372.000	0.000	
115	732.500	372.000	0.000	
116	612.500	572.000	0.000	
117	732.500	572.000	0.000	
118	1112.500	572.000	0.000	
119	1232.500	572.000	0.000	
120	1112.500	172.000	0.000	
121	1232.500	172.000	0.000	
122	1612.500	572.000	0.000	
123	1732.500	572.000	0.000	
124	1612.500	172.000	0.000	
125	1732.500	172.000	0.000	
126	1732.500	372.000	0.000	
127	1612.500	372.000	0.000	
128	1112.500	372.000	0.000	
129	1232.500	372.000	0.000	
130	112.500	225.000	0.000	
131	112.500	425.000	0.000	
132	112.500	525.000	0.000	
133	112.500	725.000	0.000	
134	232.500	225.000	0.000	
135	232.500	425.000	0.000	
136	232.500	525.000	0.000	
137	232.500	725.000	0.000	
138	612.500	225.000	0.000	
139	612.500	425.000	0.000	
140	612.500	525.000	0.000	
141	612.500	725.000	0.000	
142	732.500	225.000	0.000	
143	732.500	425.000	0.000	
144	732.500	525.000	0.000	
145	732.500	725.000	0.000	
146	1112.500	225.000	0.000	
147	1112.500	425.000	0.000	
148	1112.500	525.000	0.000	
149	1112.500	725.000	0.000	
150	1232.500	225.000	0.000	
151	1232.500	425.000	0.000	
152	1232.500	525.000	0.000	
153	1232.500	725.000	0.000	
154	1612.500	225.000	0.000	
155	1612.500	425.000	0.000	
156	1612.500	525.000	0.000	
157	1612.500	725.000	0.000	
158	1732.500	225.000	0.000	
159	1732.500	425.000	0.000	
160	1732.500	525.000	0.000	
161	1732.500	725.000	0.000	

ASTE--|----------|----------|----------|----------|----------
|num.= 240

Nome	Proprieta`	Nodo iniz.	Nodo fin.	Rilasci in.	Rilasci fin.	Orient.
1	2	1	2			0.0
2	2	2	3			0.0
3	2	4	5			0.0
4	2	5	6			0.0
5	2	7	8			0.0
6	2	8	9			0.0
7	2	10	11			0.0
8	2	11	12			0.0
9	2	13	14			0.0
10	2	14	15			0.0
11	2	16	17			0.0
12	2	17	18			0.0
13	2	19	20			0.0
14	2	20	21			0.0
15	2	22	23			0.0
16	2	23	24			0.0
17	2	25	26			0.0
18	2	26	27			0.0
19	2	28	29			0.0
20	2	29	30			0.0
21	2	31	32			0.0
22	2	32	33			0.0
23	2	34	35			0.0
24	2	35	36			0.0
25	2	37	38			0.0
26	2	38	39			0.0
27	2	40	41			0.0
28	2	41	42			0.0
29	2	43	44			0.0
30	2	44	45			0.0
31	2	46	47			0.0
32	2	47	48			0.0
33	2	49	50			0.0
34	2	50	51			0.0
35	2	52	53			0.0
36	2	53	54			0.0
37	2	55	56			0.0
38	2	56	57			0.0
39	2	58	59			0.0
40	2	59	60			0.0
41	2	61	62			0.0
42	2	62	63			0.0
43	2	64	65			0.0
44	2	65	66			0.0
45	2	67	68			0.0
46	2	68	69			0.0
47	2	70	71			0.0
48	2	71	72			0.0
49	2	73	74			0.0
50	2	74	75			0.0
51	2	76	77			0.0
52	2	77	78			0.0
53	2	79	80			0.0
54	2	80	81			0.0
55	2	82	83			0.0
56	2	83	84			0.0
57	2	85	86			0.0
58	2	86	87			0.0
59	2	88	89			0.0
60	2	89	90			0.0

Allegato A

Allegato A: strutture analizzate

61	2	91	92	0.0
62	2	92	93	0.0
63	7	94	95	0.0
64	7	95	96	0.0
65	7	97	98	0.0
66	7	98	99	0.0
68	1	100	95	0.0
69	1	95	108	0.0
70	1	2	109	0.0
71	1	5	8	0.0
72	1	8	11	0.0
73	1	11	14	0.0
74	1	14	114	0.0
75	1	17	115	0.0
76	1	20	23	0.0
77	1	23	26	0.0
78	1	26	29	0.0
79	1	29	128	0.0
80	1	32	129	0.0
81	1	35	38	0.0
82	1	38	41	0.0
83	1	41	44	0.0
84	1	44	127	0.0
85	1	47	126	0.0
86	1	50	53	0.0
87	1	53	56	0.0
88	1	56	59	0.0
89	1	59	62	0.0
90	1	62	65	0.0
91	1	65	68	0.0
92	1	68	71	0.0
93	1	71	74	0.0
94	1	74	77	0.0
95	1	77	80	0.0
96	1	80	83	0.0
97	1	83	86	0.0
98	1	86	89	0.0
99	1	89	92	0.0
100	1	92	98	0.0
101	1	98	101	0.0
102	4	102	96	0.0
103	4	96	106	0.0
104	4	3	107	0.0
105	4	6	9	0.0
106	4	9	12	0.0
107	4	12	15	0.0
108	4	15	116	0.0
109	4	18	117	0.0
110	4	21	24	0.0
111	4	24	27	0.0
112	4	27	30	0.0
113	4	30	118	0.0
114	4	33	119	0.0
115	4	36	39	0.0
116	4	39	42	0.0
117	4	42	45	0.0
118	4	45	122	0.0
119	4	48	123	0.0
120	4	51	54	0.0
121	4	54	57	0.0
122	4	57	60	0.0
123	4	60	63	0.0
124	4	63	66	0.0
125	4	66	69	0.0
126	4	69	72	0.0
127	4	72	75	0.0
128	4	75	78	0.0
129	4	78	81	0.0
130	4	81	84	0.0
131	4	84	87	0.0
132	4	87	90	0.0
133	4	90	93	0.0
134	4	93	99	0.0
135	4	99	103	0.0
136	3	104	94	0.0
137	3	94	110	0.0
138	3	1	111	0.0
139	3	4	7	0.0
140	3	7	10	0.0
141	3	10	13	0.0
142	3	13	112	0.0
143	3	16	113	0.0
144	3	19	22	0.0
145	3	22	25	0.0
146	3	25	28	0.0
147	3	28	120	0.0
148	3	31	121	0.0
149	3	34	37	0.0
150	3	37	40	0.0
151	3	40	43	0.0
152	3	43	124	0.0
153	3	46	125	0.0
154	3	49	52	0.0
155	3	52	55	0.0
156	3	55	58	0.0
157	3	58	61	0.0
158	3	61	64	0.0
159	3	64	67	0.0

Allegato A

Allegato A: strutture analizzate

160	3	67	70		0.0
161	3	70	73		0.0
162	3	73	76		0.0
163	3	76	79		0.0
164	3	79	82		0.0
165	3	82	85		0.0
166	3	85	88		0.0
167	3	88	91		0.0
168	3	91	97		0.0
169	3	97	105		0.0
170	4	106	3		0.0
171	4	107	6		0.0
172	1	108	2		0.0
173	1	109	5		0.0
174	3	110	1		0.0
175	3	111	4		0.0
176	3	112	16		0.0
177	3	113	19		0.0
178	1	114	17		0.0
179	1	115	20		0.0
180	4	116	18		0.0
181	4	117	21		0.0
182	4	118	33		0.0
183	4	119	36		0.0
184	3	120	31		0.0
185	3	121	34		0.0
186	4	122	48		0.0
187	4	123	51		0.0
188	3	124	46		0.0
189	3	125	49		0.0
190	1	126	50		0.0
191	1	127	47		0.0
192	1	128	32		0.0
193	1	129	35		0.0
194	8	110	130	RyRz	0.0
195	8	130	108		0.0
196	8	108	131	RyRz	0.0
197	8	131	132		0.0
198	8	132	106		0.0
199	8	106	133		0.0
200	8	111	134	RyRz	0.0
201	8	134	109		0.0
202	8	109	135	RyRz	0.0
203	8	135	136		0.0
204	8	136	107		0.0
205	8	107	137		0.0
206	8	112	138	RyRz	0.0
207	8	138	114		0.0
208	8	114	139	RyRz	0.0
209	8	139	140		0.0
210	8	140	116	RxRyRz	0.0
211	8	116	141		0.0
212	8	113	142	RyRz	0.0
213	8	142	115	RxRyRz	0.0
214	8	115	143	RyRz	0.0
215	8	143	144		0.0
216	8	144	117	RxRyRz	0.0
217	8	117	145		0.0
218	8	120	146	RyRz	0.0
219	8	146	128	RxRyRz	0.0
220	8	128	147	RyRz	0.0
221	8	147	148		0.0
222	8	148	118	RxRyRz	0.0
223	8	118	149		0.0
224	8	121	150	RyRz	0.0
225	8	150	129	RxRyRz	0.0
226	8	129	151	RyRz	0.0
227	8	151	152		0.0
228	8	152	119	RxRyRz	0.0
229	8	119	153		0.0
230	8	124	154	RyRz	0.0
231	8	154	127	RxRyRz	0.0
232	8	127	155	RyRz	0.0
233	8	155	156		0.0
234	8	156	122	RxRyRz	0.0
235	8	122	157		0.0
236	8	125	158	RyRz	0.0
237	8	158	126	RxRyRz	0.0
238	8	126	159	RyRz	0.0
239	8	159	160		0.0
240	8	160	123	RxRyRz	0.0
241	8	123	161		0.0

```
PROPRIETA` ASTE---|-----------|-----------|-----------|-----------
|num.=      6
  Nome   Materiale        Base     Altezza        Area Area tag. Y
RxRyRz Area tag.  Z                Kw vertic.   Kw orizz.      J tors. J fless. Y
J fless.  Z
        1                1      198.00      190.00 1.29759E+04 1.29759E+04
1.29759E+04                        0.000000    0.000000 5.21626E+07 4.06054E+07
RxRyRz 6.58881E+07
        2                4      100.00       25.00 2.50000E+03 2.08333E+03
2.08333E+03                        0.000000    0.000000 4.38826E+05 2.08333E+06
1.30208E+05
        3                1      264.00      190.00 1.47509E+04 1.47509E+04
RxRyRz 1.47509E+04                 0.000000    0.000000 5.21626E+07 6.75111E+07
7.41277E+07
        4                1      339.00      190.00 1.66259E+04 1.66259E+04
1.66259E+04                        0.000000    0.000000 5.21626E+07 1.26477E+08
RxRyRz 8.09422E+07
        7                4      150.00      169.00 1.09501E+04 1.09501E+04
1.09501E+04                        0.000000    0.000000 6.00331E+06 8.53123E+06
3.02435E+07
        8                1       50.00       50.00 2.50000E+03 2.08333E+03
RxRyRz 2.08333E+03                 0.000000    0.000000 8.80195E+05 5.20833E+05
5.20833E+05
```

Allegato A

Allegato A: strutture analizzate

```
MATERIALI---------|-----------|-----------|-----------|-----------
|num.=      2
  Nome Mod. elast.   Coeff. nu  Mod. tang.  Peso spec.    Dil. te.
     1 3.64160E+05 1.50000E-01 1.30000E+05 2.50000E-03  1.00000E-
05
     4 3.46250E+05 1.50000E-01 1.30000E+05 2.50000E-03  1.00000E-
05

VINCOLI-----------|-----------|-----------|-----------|-----------
|num.=      6
  Nodo    Rigid. X    Rigid. Y    Rigid. Z   Rigid. RX   Rigid. RY
Rigid. RZ
    94    bloccato    bloccato    bloccato      libero      libero
libero
    95    bloccato    bloccato    bloccato      libero      libero
libero
    96    bloccato    bloccato    bloccato      libero      libero
libero
    97    bloccato    bloccato    bloccato      libero      libero
libero
    98    bloccato    bloccato    bloccato      libero      libero
libero
    99    bloccato    bloccato    bloccato      libero      libero
libero

CARICHI NODI------|-----------|-----------|-----------|-----------
|num.=     32
  Nome                        Nodo   Direzione  Intensita`
     1 Q_C1_gomma              161          Z   -10000.5
     2 Q_C1_gomma              157          Z   -10000.5
     3 Q_C1_gomma              156          Z   -10000.5
     4 Q_C1_gomma              160          Z   -10000.5
     5 Q_C1_gomma              153          Z   -10000.5
     6 Q_C1_gomma              149          Z   -10000.5
     7 Q_C1_gomma              148          Z   -10000.5
     8 Q_C1_gomma              152          Z   -10000.5
     9 Q_C1_gomma              145          Z   -10000.5
    10 Q_C1_gomma              141          Z   -10000.5
    11 Q_C1_gomma              140          Z   -10000.5
    12 Q_C1_gomma              144          Z   -10000.5
    13 Q_C1_gomma              137          Z   -10000.5
    14 Q_C1_gomma              133          Z   -10000.5
    15 Q_C1_gomma              132          Z   -10000.5
    16 Q_C1_gomma              136          Z   -10000.5
    17 Q_C2_gomma              159          Z   -10000.0
    18 Q_C2_gomma              155          Z   -10000.0
    19 Q_C2_gomma              154          Z   -10000.0
    20 Q_C2_gomma              158          Z   -10000.0
    21 Q_C2_gomma              151          Z   -10000.0
    22 Q_C2_gomma              147          Z   -10000.0
    23 Q_C2_gomma              146          Z   -10000.0
    24 Q_C2_gomma              150          Z   -10000.0
    25 Q_C2_gomma              143          Z   -10000.0
    26 Q_C2_gomma              139          Z   -10000.0
    27 Q_C2_gomma              138          Z   -10000.0
    28 Q_C2_gomma              142          Z   -10000.0
    29 Q_C2_gomma              135          Z   -10000.0
    30 Q_C2_gomma              131          Z   -10000.0
    31 Q_C2_gomma              130          Z   -10000.0
    32 Q_C2_gomma              134          Z   -10000.0

CARICHI ASTE------|-----------|-----------|-----------|-----------
|num.=   1428
  Nome                        Asta Dir Tip RIF Parametro 1
Parametro 2 Parametro 3 Parametro  4
    33 Pp_travi_CIR_198_160    102  Z   FD glo     -20.000
    34 Pp_travi_CIR_198_160    105  Z   FD glo     -20.000
    35 Pp_travi_CIR_198_160    106  Z   FD glo     -20.000
    36 Pp_travi_CIR_198_160    107  Z   FD glo     -20.000
    37 Pp_travi_CIR_198_160    110  Z   FD glo     -20.000
    38 Pp_travi_CIR_198_160    111  Z   FD glo     -20.000
    39 Pp_travi_CIR_198_160    112  Z   FD glo     -20.000
    40 Pp_travi_CIR_198_160    115  Z   FD glo     -20.000
    41 Pp_travi_CIR_198_160    116  Z   FD glo     -20.000
    42 Pp_travi_CIR_198_160    117  Z   FD glo     -20.000
    43 Pp_travi_CIR_198_160    120  Z   FD glo     -20.000
    44 Pp_travi_CIR_198_160    121  Z   FD glo     -20.000
    45 Pp_travi_CIR_198_160    122  Z   FD glo     -20.000
    46 Pp_travi_CIR_198_160    123  Z   FD glo     -20.000
    47 Pp_travi_CIR_198_160    124  Z   FD glo     -20.000
    48 Pp_travi_CIR_198_160    125  Z   FD glo     -20.000
    49 Pp_travi_CIR_198_160    126  Z   FD glo     -20.000
    50 Pp_travi_CIR_198_160    127  Z   FD glo     -20.000
    51 Pp_travi_CIR_198_160    128  Z   FD glo     -20.000
    52 Pp_travi_CIR_198_160    129  Z   FD glo     -20.000
    53 Pp_travi_CIR_198_160    130  Z   FD glo     -20.000
    54 Pp_travi_CIR_198_160    131  Z   FD glo     -20.000
    55 Pp_travi_CIR_198_160    132  Z   FD glo     -20.000
    56 Pp_travi_CIR_198_160    133  Z   FD glo     -20.000
    57 Pp_travi_CIR_198_160    134  Z   FD glo     -20.000
    58 Pp_travi_CIR_198_160    135  Z   FD glo     -20.000
    59 Pp_travi_CIR_198_160    103  Z   FD glo     -20.000
    60 Pp_travi_CIR_198_160    170  Z   FD glo     -20.000
    61 Pp_travi_CIR_198_160    104  Z   FD glo     -20.000
    62 Pp_travi_CIR_198_160    171  Z   FD glo     -20.000
    63 Pp_travi_CIR_198_160    108  Z   FD glo     -20.000
    64 Pp_travi_CIR_198_160    180  Z   FD glo     -20.000
    65 Pp_travi_CIR_198_160    109  Z   FD glo     -20.000
    66 Pp_travi_CIR_198_160    181  Z   FD glo     -20.000
    67 Pp_travi_CIR_198_160    113  Z   FD glo     -20.000
    68 Pp_travi_CIR_198_160    182  Z   FD glo     -20.000
    69 Pp_travi_CIR_198_160    114  Z   FD glo     -20.000
    70 Pp_travi_CIR_198_160    183  Z   FD glo     -20.000
    71 Pp_travi_CIR_198_160    118  Z   FD glo     -20.000
    72 Pp_travi_CIR_198_160    186  Z   FD glo     -20.000
    73 Pp_travi_CIR_198_160    119  Z   FD glo     -20.000
    74 Pp_travi_CIR_198_160    187  Z   FD glo     -20.000
    75 Pp_travi_CIR_198_160     68  Z   FD glo     -20.000
    76 Pp_travi_CIR_198_160     71  Z   FD glo     -20.000
    77 Pp_travi_CIR_198_160     72  Z   FD glo     -20.000
    78 Pp_travi_CIR_198_160     73  Z   FD glo     -20.000
    79 Pp_travi_CIR_198_160     76  Z   FD glo     -20.000
    80 Pp_travi_CIR_198_160     77  Z   FD glo     -20.000
    81 Pp_travi_CIR_198_160     78  Z   FD glo     -20.000
    82 Pp_travi_CIR_198_160     81  Z   FD glo     -20.000
    83 Pp_travi_CIR_198_160     82  Z   FD glo     -20.000
    84 Pp_travi_CIR_198_160     83  Z   FD glo     -20.000
    85 Pp_travi_CIR_198_160     86  Z   FD glo     -20.000
    86 Pp_travi_CIR_198_160     87  Z   FD glo     -20.000
    87 Pp_travi_CIR_198_160     88  Z   FD glo     -20.000
    88 Pp_travi_CIR_198_160     89  Z   FD glo     -20.000
    89 Pp_travi_CIR_198_160     90  Z   FD glo     -20.000
    90 Pp_travi_CIR_198_160     91  Z   FD glo     -20.000
    91 Pp_travi_CIR_198_160     92  Z   FD glo     -20.000
    92 Pp_travi_CIR_198_160     93  Z   FD glo     -20.000
    93 Pp_travi_CIR_198_160     94  Z   FD glo     -20.000
    94 Pp_travi_CIR_198_160     95  Z   FD glo     -20.000
    95 Pp_travi_CIR_198_160     96  Z   FD glo     -20.000
    96 Pp_travi_CIR_198_160     97  Z   FD glo     -20.000
    97 Pp_travi_CIR_198_160     98  Z   FD glo     -20.000
    98 Pp_travi_CIR_198_160     99  Z   FD glo     -20.000
    99 Pp_travi_CIR_198_160    100  Z   FD glo     -20.000
   100 Pp_travi_CIR_198_160    101  Z   FD glo     -20.000
   101 Pp_travi_CIR_198_160     69  Z   FD glo     -20.000
   102 Pp_travi_CIR_198_160    172  Z   FD glo     -20.000
   103 Pp_travi_CIR_198_160     70  Z   FD glo     -20.000
   104 Pp_travi_CIR_198_160    173  Z   FD glo     -20.000
   105 Pp_travi_CIR_198_160     74  Z   FD glo     -20.000
   106 Pp_travi_CIR_198_160    178  Z   FD glo     -20.000
   107 Pp_travi_CIR_198_160     75  Z   FD glo     -20.000
   108 Pp_travi_CIR_198_160    179  Z   FD glo     -20.000
   109 Pp_travi_CIR_198_160     85  Z   FD glo     -20.000
   110 Pp_travi_CIR_198_160    190  Z   FD glo     -20.000
   111 Pp_travi_CIR_198_160     84  Z   FD glo     -20.000
   112 Pp_travi_CIR_198_160    191  Z   FD glo     -20.000
   113 Pp_travi_CIR_198_160     79  Z   FD glo     -20.000
   114 Pp_travi_CIR_198_160    192  Z   FD glo     -20.000
   115 Pp_travi_CIR_198_160     80  Z   FD glo     -20.000
   116 Pp_travi_CIR_198_160    193  Z   FD glo     -20.000
   117 Pp_travi_CIR_198_160    136  Z   FD glo     -20.000
   118 Pp_travi_CIR_198_160    139  Z   FD glo     -20.000
   119 Pp_travi_CIR_198_160    140  Z   FD glo     -20.000
   120 Pp_travi_CIR_198_160    141  Z   FD glo     -20.000
   121 Pp_travi_CIR_198_160    144  Z   FD glo     -20.000
   122 Pp_travi_CIR_198_160    145  Z   FD glo     -20.000
   123 Pp_travi_CIR_198_160    146  Z   FD glo     -20.000
   124 Pp_travi_CIR_198_160    149  Z   FD glo     -20.000
   125 Pp_travi_CIR_198_160    150  Z   FD glo     -20.000
   126 Pp_travi_CIR_198_160    151  Z   FD glo     -20.000
   127 Pp_travi_CIR_198_160    154  Z   FD glo     -20.000
   128 Pp_travi_CIR_198_160    155  Z   FD glo     -20.000
   129 Pp_travi_CIR_198_160    156  Z   FD glo     -20.000
   130 Pp_travi_CIR_198_160    157  Z   FD glo     -20.000
   131 Pp_travi_CIR_198_160    158  Z   FD glo     -20.000
   132 Pp_travi_CIR_198_160    159  Z   FD glo     -20.000
   133 Pp_travi_CIR_198_160    160  Z   FD glo     -20.000
   134 Pp_travi_CIR_198_160    161  Z   FD glo     -20.000
   135 Pp_travi_CIR_198_160    162  Z   FD glo     -20.000
   136 Pp_travi_CIR_198_160    163  Z   FD glo     -20.000
   137 Pp_travi_CIR_198_160    164  Z   FD glo     -20.000
   138 Pp_travi_CIR_198_160    165  Z   FD glo     -20.000
   139 Pp_travi_CIR_198_160    166  Z   FD glo     -20.000
   140 Pp_travi_CIR_198_160    167  Z   FD glo     -20.000
   141 Pp_travi_CIR_198_160    168  Z   FD glo     -20.000
   142 Pp_travi_CIR_198_160    169  Z   FD glo     -20.000
   143 Pp_travi_CIR_198_160    137  Z   FD glo     -20.000
   144 Pp_travi_CIR_198_160    174  Z   FD glo     -20.000
   145 Pp_travi_CIR_198_160    138  Z   FD glo     -20.000
   146 Pp_travi_CIR_198_160    175  Z   FD glo     -20.000
   147 Pp_travi_CIR_198_160    142  Z   FD glo     -20.000
   148 Pp_travi_CIR_198_160    176  Z   FD glo     -20.000
   149 Pp_travi_CIR_198_160    143  Z   FD glo     -20.000
   150 Pp_travi_CIR_198_160    177  Z   FD glo     -20.000
   151 Pp_travi_CIR_198_160    147  Z   FD glo     -20.000
   152 Pp_travi_CIR_198_160    184  Z   FD glo     -20.000
   153 Pp_travi_CIR_198_160    148  Z   FD glo     -20.000
   154 Pp_travi_CIR_198_160    185  Z   FD glo     -20.000
   155 Pp_travi_CIR_198_160    152  Z   FD glo     -20.000
   156 Pp_travi_CIR_198_160    188  Z   FD glo     -20.000
   157 Pp_travi_CIR_198_160    153  Z   FD glo     -20.000
   158 Pp_travi_CIR_198_160    189  Z   FD glo     -20.000
   159 Soletta_TR1             102  Z   FD glo     -31.680
   160 Soletta_TR1             105  Z   FD glo     -31.680
   161 Soletta_TR1             106  Z   FD glo     -31.680
   162 Soletta_TR1             107  Z   FD glo     -31.680
   163 Soletta_TR1             110  Z   FD glo     -31.680
   164 Soletta_TR1             111  Z   FD glo     -31.680
   165 Soletta_TR1             112  Z   FD glo     -31.680
```

Allegato A

Allegato A: strutture analizzate

166	Soletta_TR1		115	Z	FD glo	-31.680			233	Soletta_TR1		109	Rx	CD loc	-2471.0	-							
167	Soletta_TR1		116	Z	FD glo	-31.680			2471.0	0.000	0.000												
168	Soletta_TR1		117	Z	FD glo	-31.680			234	Soletta_TR1		181	Rx	CD loc	-2471.0	-							
169	Soletta_TR1		120	Z	FD glo	-31.680			2471.0	0.000	0.000												
170	Soletta_TR1		121	Z	FD glo	-31.680			235	Soletta_TR1		113	Rx	CD loc	-2471.0	-							
171	Soletta_TR1		122	Z	FD glo	-31.680			2471.0	0.000	0.000												
172	Soletta_TR1		123	Z	FD glo	-31.680			236	Soletta_TR1		182	Rx	CD loc	-2471.0	-							
173	Soletta_TR1		124	Z	FD glo	-31.680			2471.0	0.000	0.000												
174	Soletta_TR1		125	Z	FD glo	-31.680			237	Soletta_TR1		114	Rx	CD loc	-2471.0	-							
175	Soletta_TR1		126	Z	FD glo	-31.680			2471.0	0.000	0.000												
176	Soletta_TR1		127	Z	FD glo	-31.680			238	Soletta_TR1		183	Rx	CD loc	-2471.0	-							
177	Soletta_TR1		128	Z	FD glo	-31.680			2471.0	0.000	0.000												
178	Soletta_TR1		129	Z	FD glo	-31.680			239	Soletta_TR1		118	Rx	CD loc	-2471.0	-							
179	Soletta_TR1		130	Z	FD glo	-31.680			2471.0	0.000	0.000												
180	Soletta_TR1		131	Z	FD glo	-31.680			240	Soletta_TR1		186	Rx	CD loc	-2471.0	-							
181	Soletta_TR1		132	Z	FD glo	-31.680			2471.0	0.000	0.000												
182	Soletta_TR1		133	Z	FD glo	-31.680			241	Soletta_TR1		119	Rx	CD loc	-2471.0	-							
183	Soletta_TR1		134	Z	FD glo	-31.680			2471.0	0.000	0.000												
184	Soletta_TR1		135	Z	FD glo	-31.680			242	Soletta_TR1		187	Rx	CD loc	-2471.0	-							
185	Soletta_TR1		103	Z	FD glo	-31.680			2471.0	0.000	0.000												
186	Soletta_TR1		170	Z	FD glo	-31.680			243	Soletta_TR2		68	Z	FD glo	-18.000								
187	Soletta_TR1		104	Z	FD glo	-31.680			244	Soletta_TR2		71	Z	FD glo	-18.000								
188	Soletta_TR1		171	Z	FD glo	-31.680			245	Soletta_TR2		72	Z	FD glo	-18.000								
189	Soletta_TR1		108	Z	FD glo	-31.680			246	Soletta_TR2		73	Z	FD glo	-18.000								
190	Soletta_TR1		180	Z	FD glo	-31.680			247	Soletta_TR2		76	Z	FD glo	-18.000								
191	Soletta_TR1		109	Z	FD glo	-31.680			248	Soletta_TR2		77	Z	FD glo	-18.000								
192	Soletta_TR1		181	Z	FD glo	-31.680			249	Soletta_TR2		78	Z	FD glo	-18.000								
193	Soletta_TR1		113	Z	FD glo	-31.680			250	Soletta_TR2		81	Z	FD glo	-18.000								
194	Soletta_TR1		182	Z	FD glo	-31.680			251	Soletta_TR2		82	Z	FD glo	-18.000								
195	Soletta_TR1		114	Z	FD glo	-31.680			252	Soletta_TR2		83	Z	FD glo	-18.000								
196	Soletta_TR1		183	Z	FD glo	-31.680			253	Soletta_TR2		86	Z	FD glo	-18.000								
197	Soletta_TR1		118	Z	FD glo	-31.680			254	Soletta_TR2		87	Z	FD glo	-18.000								
198	Soletta_TR1		186	Z	FD glo	-31.680			255	Soletta_TR2		88	Z	FD glo	-18.000								
199	Soletta_TR1		119	Z	FD glo	-31.680			256	Soletta_TR2		89	Z	FD glo	-18.000								
200	Soletta_TR1		187	Z	FD glo	-31.680			257	Soletta_TR2		90	Z	FD glo	-18.000								
201	Soletta_TR1		102	Rx	CD loc	-2471.0	-		258	Soletta_TR2		91	Z	FD glo	-18.000								
2471.0	0.000	0.000							259	Soletta_TR2		92	Z	FD glo	-18.000								
202	Soletta_TR1		105	Rx	CD loc	-2471.0	-		260	Soletta_TR2		93	Z	FD glo	-18.000								
2471.0	0.000	0.000							261	Soletta_TR2		94	Z	FD glo	-18.000								
203	Soletta_TR1		106	Rx	CD loc	-2471.0	-		262	Soletta_TR2		95	Z	FD glo	-18.000								
2471.0	0.000	0.000							263	Soletta_TR2		96	Z	FD glo	-18.000								
204	Soletta_TR1		107	Rx	CD loc	-2471.0	-		264	Soletta_TR2		97	Z	FD glo	-18.000								
2471.0	0.000	0.000							265	Soletta_TR2		98	Z	FD glo	-18.000								
205	Soletta_TR1		110	Rx	CD loc	-2471.0	-		266	Soletta_TR2		99	Z	FD glo	-18.000								
2471.0	0.000	0.000							267	Soletta_TR2		100	Z	FD glo	-18.000								
206	Soletta_TR1		111	Rx	CD loc	-2471.0	-		268	Soletta_TR2		101	Z	FD glo	-18.000								
2471.0	0.000	0.000							269	Soletta_TR2		69	Z	FD glo	-18.000								
207	Soletta_TR1		112	Rx	CD loc	-2471.0	-		270	Soletta_TR2		172	Z	FD glo	-18.000								
2471.0	0.000	0.000							271	Soletta_TR2		70	Z	FD glo	-18.000								
208	Soletta_TR1		115	Rx	CD loc	-2471.0	-		272	Soletta_TR2		173	Z	FD glo	-18.000								
2471.0	0.000	0.000							273	Soletta_TR2		74	Z	FD glo	-18.000								
209	Soletta_TR1		116	Rx	CD loc	-2471.0	-		274	Soletta_TR2		178	Z	FD glo	-18.000								
2471.0	0.000	0.000							275	Soletta_TR2		75	Z	FD glo	-18.000								
210	Soletta_TR1		117	Rx	CD loc	-2471.0	-		276	Soletta_TR2		179	Z	FD glo	-18.000								
2471.0	0.000	0.000							277	Soletta_TR2		85	Z	FD glo	-18.000								
211	Soletta_TR1		120	Rx	CD loc	-2471.0	-		278	Soletta_TR2		190	Z	FD glo	-18.000								
2471.0	0.000	0.000							279	Soletta_TR2		84	Z	FD glo	-18.000								
212	Soletta_TR1		121	Rx	CD loc	-2471.0	-		280	Soletta_TR2		191	Z	FD glo	-18.000								
2471.0	0.000	0.000							281	Soletta_TR2		79	Z	FD glo	-18.000								
213	Soletta_TR1		122	Rx	CD loc	-2471.0	-		282	Soletta_TR2		192	Z	FD glo	-18.000								
2471.0	0.000	0.000							283	Soletta_TR2		80	Z	FD glo	-18.000								
214	Soletta_TR1		123	Rx	CD loc	-2471.0	-		284	Soletta_TR2		193	Z	FD glo	-18.000								
2471.0	0.000	0.000							285	Soletta_TR3		136	Z	FD glo	-24.570								
215	Soletta_TR1		124	Rx	CD loc	-2471.0	-		286	Soletta_TR3		139	Z	FD glo	-24.570								
2471.0	0.000	0.000							287	Soletta_TR3		140	Z	FD glo	-24.570								
216	Soletta_TR1		125	Rx	CD loc	-2471.0	-		288	Soletta_TR3		141	Z	FD glo	-24.570								
2471.0	0.000	0.000							289	Soletta_TR3		144	Z	FD glo	-24.570								
217	Soletta_TR1		126	Rx	CD loc	-2471.0	-		290	Soletta_TR3		145	Z	FD glo	-24.570								
2471.0	0.000	0.000							291	Soletta_TR3		146	Z	FD glo	-24.570								
218	Soletta_TR1		127	Rx	CD loc	-2471.0	-		292	Soletta_TR3		149	Z	FD glo	-24.570								
2471.0	0.000	0.000							293	Soletta_TR3		150	Z	FD glo	-24.570								
219	Soletta_TR1		128	Rx	CD loc	-2471.0	-		294	Soletta_TR3		151	Z	FD glo	-24.570								
2471.0	0.000	0.000							295	Soletta_TR3		154	Z	FD glo	-24.570								
220	Soletta_TR1		129	Rx	CD loc	-2471.0	-		296	Soletta_TR3		155	Z	FD glo	-24.570								
2471.0	0.000	0.000							297	Soletta_TR3		156	Z	FD glo	-24.570								
221	Soletta_TR1		130	Rx	CD loc	-2471.0	-		298	Soletta_TR3		157	Z	FD glo	-24.570								
2471.0	0.000	0.000							299	Soletta_TR3		158	Z	FD glo	-24.570								
222	Soletta_TR1		131	Rx	CD loc	-2471.0	-		300	Soletta_TR3		159	Z	FD glo	-24.570								
2471.0	0.000	0.000							301	Soletta_TR3		160	Z	FD glo	-24.570								
223	Soletta_TR1		132	Rx	CD loc	-2471.0	-		302	Soletta_TR3		161	Z	FD glo	-24.570								
2471.0	0.000	0.000							303	Soletta_TR3		162	Z	FD glo	-24.570								
224	Soletta_TR1		133	Rx	CD loc	-2471.0	-		304	Soletta_TR3		163	Z	FD glo	-24.570								
2471.0	0.000	0.000							305	Soletta_TR3		164	Z	FD glo	-24.570								
225	Soletta_TR1		134	Rx	CD loc	-2471.0	-		306	Soletta_TR3		165	Z	FD glo	-24.570								
2471.0	0.000	0.000							307	Soletta_TR3		166	Z	FD glo	-24.570								
226	Soletta_TR1		135	Rx	CD loc	-2471.0	-		308	Soletta_TR3		167	Z	FD glo	-24.570								
2471.0	0.000	0.000							309	Soletta_TR3		168	Z	FD glo	-24.570								
227	Soletta_TR1		103	Rx	CD loc	-2471.0	-		310	Soletta_TR3		169	Z	FD glo	-24.570								
2471.0	0.000	0.000							311	Soletta_TR3		137	Z	FD glo	-24.570								
228	Soletta_TR1		170	Rx	CD loc	-2471.0	-		312	Soletta_TR3		174	Z	FD glo	-24.570								
2471.0	0.000	0.000							313	Soletta_TR3		138	Z	FD glo	-24.570								
229	Soletta_TR1		104	Rx	CD loc	-2471.0	-		314	Soletta_TR3		175	Z	FD glo	-24.570								
2471.0	0.000	0.000							315	Soletta_TR3		142	Z	FD glo	-24.570								
230	Soletta_TR1		171	Rx	CD loc	-2471.0	-		316	Soletta_TR3		176	Z	FD glo	-24.570								
2471.0	0.000	0.000							317	Soletta_TR3		143	Z	FD glo	-24.570								
231	Soletta_TR1		108	Rx	CD loc	-2471.0	-		318	Soletta_TR3		177	Z	FD glo	-24.570								
2471.0	0.000	0.000							319	Soletta_TR3		147	Z	FD glo	-24.570								
232	Soletta_TR1		180	Rx	CD loc	-2471.0	-		320	Soletta_TR3		184	Z	FD glo	-24.570								
2471.0	0.000	0.000							321	Soletta_TR3		148	Z	FD glo	-24.570								

Allegato A

Allegato A: strutture analizzate

```
   322 Soletta_TR3          185  Z   FD glo    -24.570
   323 Soletta_TR3          152  Z   FD glo    -24.570
   324 Soletta_TR3          188  Z   FD glo    -24.570
   325 Soletta_TR3          153  Z   FD glo    -24.570
   326 Soletta_TR3          189  Z   FD glo    -24.570
   327 Soletta_TR3          136  Rx  CD loc      983.0
983.0       0.000      0.000
   328 Soletta_TR3          139  Rx  CD loc      983.0
983.0       0.000      0.000
   329 Soletta_TR3          140  Rx  CD loc      983.0
983.0       0.000      0.000
   330 Soletta_TR3          141  Rx  CD loc      983.0
983.0       0.000      0.000
   331 Soletta_TR3          144  Rx  CD loc      983.0
983.0       0.000      0.000
   332 Soletta_TR3          145  Rx  CD loc      983.0
983.0       0.000      0.000
   333 Soletta_TR3          146  Rx  CD loc      983.0
983.0       0.000      0.000
   334 Soletta_TR3          149  Rx  CD loc      983.0
983.0       0.000      0.000
   335 Soletta_TR3          150  Rx  CD loc      983.0
983.0       0.000      0.000
   336 Soletta_TR3          151  Rx  CD loc      983.0
983.0       0.000      0.000
   337 Soletta_TR3          154  Rx  CD loc      983.0
983.0       0.000      0.000
   338 Soletta_TR3          155  Rx  CD loc      983.0
983.0       0.000      0.000
   339 Soletta_TR3          156  Rx  CD loc      983.0
983.0       0.000      0.000
   340 Soletta_TR3          157  Rx  CD loc      983.0
983.0       0.000      0.000
   341 Soletta_TR3          158  Rx  CD loc      983.0
983.0       0.000      0.000
   342 Soletta_TR3          159  Rx  CD loc      983.0
983.0       0.000      0.000
   343 Soletta_TR3          160  Rx  CD loc      983.0
983.0       0.000      0.000
   344 Soletta_TR3          161  Rx  CD loc      983.0
983.0       0.000      0.000
   345 Soletta_TR3          162  Rx  CD loc      983.0
983.0       0.000      0.000
   346 Soletta_TR3          163  Rx  CD loc      983.0
983.0       0.000      0.000
   347 Soletta_TR3          164  Rx  CD loc      983.0
983.0       0.000      0.000
   348 Soletta_TR3          165  Rx  CD loc      983.0
983.0       0.000      0.000
   349 Soletta_TR3          166  Rx  CD loc      983.0
983.0       0.000      0.000
   350 Soletta_TR3          167  Rx  CD loc      983.0
983.0       0.000      0.000
   351 Soletta_TR3          168  Rx  CD loc      983.0
983.0       0.000      0.000
   352 Soletta_TR3          169  Rx  CD loc      983.0
983.0       0.000      0.000
   353 Soletta_TR3          137  Rx  CD loc      983.0
983.0       0.000      0.000
   354 Soletta_TR3          174  Rx  CD loc      983.0
983.0       0.000      0.000
   355 Soletta_TR3          138  Rx  CD loc      983.0
983.0       0.000      0.000
   356 Soletta_TR3          175  Rx  CD loc      983.0
983.0       0.000      0.000
   357 Soletta_TR3          142  Rx  CD loc      983.0
983.0       0.000      0.000
   358 Soletta_TR3          176  Rx  CD loc      983.0
983.0       0.000      0.000
   359 Soletta_TR3          143  Rx  CD loc      983.0
983.0       0.000      0.000
   360 Soletta_TR3          177  Rx  CD loc      983.0
983.0       0.000      0.000
   361 Soletta_TR3          147  Rx  CD loc      983.0
983.0       0.000      0.000
   362 Soletta_TR3          184  Rx  CD loc      983.0
983.0       0.000      0.000
   363 Soletta_TR3          148  Rx  CD loc      983.0
983.0       0.000      0.000
   364 Soletta_TR3          185  Rx  CD loc      983.0
983.0       0.000      0.000
   365 Soletta_TR3          152  Rx  CD loc      983.0
983.0       0.000      0.000
   366 Soletta_TR3          188  Rx  CD loc      983.0
983.0       0.000      0.000
   367 Soletta_TR3          153  Rx  CD loc      983.0
983.0       0.000      0.000
   368 Soletta_TR3          189  Rx  CD loc      983.0
983.0       0.000      0.000
   369 Cordoli_TR1          102  Z   FD glo     -3.750
   370 Cordoli_TR1          105  Z   FD glo     -3.750
   371 Cordoli_TR1          106  Z   FD glo     -3.750
   372 Cordoli_TR1          107  Z   FD glo     -3.750
   373 Cordoli_TR1          110  Z   FD glo     -3.750
   374 Cordoli_TR1          111  Z   FD glo     -3.750
   375 Cordoli_TR1          112  Z   FD glo     -3.750
   376 Cordoli_TR1          115  Z   FD glo     -3.750
   377 Cordoli_TR1          116  Z   FD glo     -3.750
   378 Cordoli_TR1          117  Z   FD glo     -3.750
   379 Cordoli_TR1          120  Z   FD glo     -3.750
   380 Cordoli_TR1          121  Z   FD glo     -3.750
   381 Cordoli_TR1          122  Z   FD glo     -3.750
   382 Cordoli_TR1          123  Z   FD glo     -3.750
   383 Cordoli_TR1          124  Z   FD glo     -3.750
   384 Cordoli_TR1          125  Z   FD glo     -3.750
   385 Cordoli_TR1          126  Z   FD glo     -3.750
   386 Cordoli_TR1          127  Z   FD glo     -3.750
   387 Cordoli_TR1          128  Z   FD glo     -3.750
   388 Cordoli_TR1          129  Z   FD glo     -3.750
   389 Cordoli_TR1          130  Z   FD glo     -3.750
   390 Cordoli_TR1          131  Z   FD glo     -3.750
   391 Cordoli_TR1          132  Z   FD glo     -3.750
   392 Cordoli_TR1          133  Z   FD glo     -3.750
   393 Cordoli_TR1          134  Z   FD glo     -3.750
   394 Cordoli_TR1          135  Z   FD glo     -3.750
   395 Cordoli_TR1          103  Z   FD glo     -3.750
   396 Cordoli_TR1          170  Z   FD glo     -3.750
   397 Cordoli_TR1          104  Z   FD glo     -3.750
   398 Cordoli_TR1          171  Z   FD glo     -3.750
   399 Cordoli_TR1          108  Z   FD glo     -3.750
   400 Cordoli_TR1          180  Z   FD glo     -3.750
   401 Cordoli_TR1          109  Z   FD glo     -3.750
   402 Cordoli_TR1          181  Z   FD glo     -3.750
   403 Cordoli_TR1          113  Z   FD glo     -3.750
   404 Cordoli_TR1          182  Z   FD glo     -3.750
   405 Cordoli_TR1          114  Z   FD glo     -3.750
   406 Cordoli_TR1          183  Z   FD glo     -3.750
   407 Cordoli_TR1          118  Z   FD glo     -3.750
   408 Cordoli_TR1          186  Z   FD glo     -3.750
   409 Cordoli_TR1          119  Z   FD glo     -3.750
   410 Cordoli_TR1          187  Z   FD glo     -3.750
   411 Cordoli_TR1          102  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   412 Cordoli_TR1          105  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   413 Cordoli_TR1          106  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   414 Cordoli_TR1          107  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   415 Cordoli_TR1          110  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   416 Cordoli_TR1          111  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   417 Cordoli_TR1          112  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   418 Cordoli_TR1          115  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   419 Cordoli_TR1          116  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   420 Cordoli_TR1          117  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   421 Cordoli_TR1          120  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   422 Cordoli_TR1          121  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   423 Cordoli_TR1          122  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   424 Cordoli_TR1          123  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   425 Cordoli_TR1          124  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   426 Cordoli_TR1          125  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   427 Cordoli_TR1          126  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   428 Cordoli_TR1          127  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   429 Cordoli_TR1          128  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   430 Cordoli_TR1          129  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   431 Cordoli_TR1          130  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   432 Cordoli_TR1          131  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   433 Cordoli_TR1          132  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   434 Cordoli_TR1          133  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   435 Cordoli_TR1          134  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   436 Cordoli_TR1          135  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   437 Cordoli_TR1          103  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   438 Cordoli_TR1          170  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   439 Cordoli_TR1          104  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   440 Cordoli_TR1          171  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   441 Cordoli_TR1          108  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   442 Cordoli_TR1          180  Rx  CD loc     -855.0    -
855.0       0.000      0.000
   443 Cordoli_TR1          109  Rx  CD loc     -855.0    -
855.0       0.000      0.000
```

Allegato A: strutture analizzate

444	Cordoli_TR1		181	Rx	CD	loc	-855.0	-	514	Cordoli_TR3			163	Rx	CD	loc	1060.0						
855.0	0.000	0.000							1060.0	0.000	0.000												
445	Cordoli_TR1		113	Rx	CD	loc	-855.0	-	515	Cordoli_TR3			164	Rx	CD	loc	1060.0						
855.0	0.000	0.000							1060.0	0.000	0.000												
446	Cordoli_TR1		182	Rx	CD	loc	-855.0	-	516	Cordoli_TR3			165	Rx	CD	loc	1060.0						
855.0	0.000	0.000							1060.0	0.000	0.000												
447	Cordoli_TR1		114	Rx	CD	loc	-855.0	-	517	Cordoli_TR3			166	Rx	CD	loc	1060.0						
855.0	0.000	0.000							1060.0	0.000	0.000												
448	Cordoli_TR1		183	Rx	CD	loc	-855.0	-	518	Cordoli_TR3			167	Rx	CD	loc	1060.0						
855.0	0.000	0.000							1060.0	0.000	0.000												
449	Cordoli_TR1		118	Rx	CD	loc	-855.0	-	519	Cordoli_TR3			168	Rx	CD	loc	1060.0						
855.0	0.000	0.000							1060.0	0.000	0.000												
450	Cordoli_TR1		186	Rx	CD	loc	-855.0	-	520	Cordoli_TR3			169	Rx	CD	loc	1060.0						
855.0	0.000	0.000							1060.0	0.000	0.000												
451	Cordoli_TR1		119	Rx	CD	loc	-855.0	-	521	Cordoli_TR3			137	Rx	CD	loc	1060.0						
855.0	0.000	0.000							1060.0	0.000	0.000												
452	Cordoli_TR1		187	Rx	CD	loc	-855.0	-	522	Cordoli_TR3			174	Rx	CD	loc	1060.0						
855.0	0.000	0.000							1060.0	0.000	0.000												
453	Cordoli_TR3		136	Z	FD	glo	-9.380		523	Cordoli_TR3			138	Rx	CD	loc	1060.0						
454	Cordoli_TR3		139	Z	FD	glo	-9.380		1060.0	0.000	0.000												
455	Cordoli_TR3		140	Z	FD	glo	-9.380		524	Cordoli_TR3			175	Rx	CD	loc	1060.0						
456	Cordoli_TR3		141	Z	FD	glo	-9.380		1060.0	0.000	0.000												
457	Cordoli_TR3		144	Z	FD	glo	-9.380		525	Cordoli_TR3			142	Rx	CD	loc	1060.0						
458	Cordoli_TR3		145	Z	FD	glo	-9.380		1060.0	0.000	0.000												
459	Cordoli_TR3		146	Z	FD	glo	-9.380		526	Cordoli_TR3			176	Rx	CD	loc	1060.0						
460	Cordoli_TR3		149	Z	FD	glo	-9.380		1060.0	0.000	0.000												
461	Cordoli_TR3		150	Z	FD	glo	-9.380		527	Cordoli_TR3			143	Rx	CD	loc	1060.0						
462	Cordoli_TR3		151	Z	FD	glo	-9.380		1060.0	0.000	0.000												
463	Cordoli_TR3		154	Z	FD	glo	-9.380		528	Cordoli_TR3			177	Rx	CD	loc	1060.0						
464	Cordoli_TR3		155	Z	FD	glo	-9.380		1060.0	0.000	0.000												
465	Cordoli_TR3		156	Z	FD	glo	-9.380		529	Cordoli_TR3			147	Rx	CD	loc	1060.0						
466	Cordoli_TR3		157	Z	FD	glo	-9.380		1060.0	0.000	0.000												
467	Cordoli_TR3		158	Z	FD	glo	-9.380		530	Cordoli_TR3			184	Rx	CD	loc	1060.0						
468	Cordoli_TR3		159	Z	FD	glo	-9.380		1060.0	0.000	0.000												
469	Cordoli_TR3		160	Z	FD	glo	-9.380		531	Cordoli_TR3			148	Rx	CD	loc	1060.0						
470	Cordoli_TR3		161	Z	FD	glo	-9.380		1060.0	0.000	0.000												
471	Cordoli_TR3		162	Z	FD	glo	-9.380		532	Cordoli_TR3			185	Rx	CD	loc	1060.0						
472	Cordoli_TR3		163	Z	FD	glo	-9.380		1060.0	0.000	0.000												
473	Cordoli_TR3		164	Z	FD	glo	-9.380		533	Cordoli_TR3			152	Rx	CD	loc	1060.0						
474	Cordoli_TR3		165	Z	FD	glo	-9.380		1060.0	0.000	0.000												
475	Cordoli_TR3		166	Z	FD	glo	-9.380		534	Cordoli_TR3			188	Rx	CD	loc	1060.0						
476	Cordoli_TR3		167	Z	FD	glo	-9.380		1060.0	0.000	0.000												
477	Cordoli_TR3		168	Z	FD	glo	-9.380		535	Cordoli_TR3			153	Rx	CD	loc	1060.0						
478	Cordoli_TR3		169	Z	FD	glo	-9.380		1060.0	0.000	0.000												
479	Cordoli_TR3		137	Z	FD	glo	-9.380		536	Cordoli_TR3			189	Rx	CD	loc	1060.0						
480	Cordoli_TR3		174	Z	FD	glo	-9.380		1060.0	0.000	0.000												
481	Cordoli_TR3		138	Z	FD	glo	-9.380		537	Pavim_TR1			102	Z	FD	glo	-9.060						
482	Cordoli_TR3		175	Z	FD	glo	-9.380		538	Pavim_TR1			105	Z	FD	glo	-9.060						
483	Cordoli_TR3		142	Z	FD	glo	-9.380		539	Pavim_TR1			106	Z	FD	glo	-9.060						
484	Cordoli_TR3		176	Z	FD	glo	-9.380		540	Pavim_TR1			107	Z	FD	glo	-9.060						
485	Cordoli_TR3		143	Z	FD	glo	-9.380		541	Pavim_TR1			110	Z	FD	glo	-9.060						
486	Cordoli_TR3		177	Z	FD	glo	-9.380		542	Pavim_TR1			111	Z	FD	glo	-9.060						
487	Cordoli_TR3		147	Z	FD	glo	-9.380		543	Pavim_TR1			112	Z	FD	glo	-9.060						
488	Cordoli_TR3		184	Z	FD	glo	-9.380		544	Pavim_TR1			115	Z	FD	glo	-9.060						
489	Cordoli_TR3		148	Z	FD	glo	-9.380		545	Pavim_TR1			116	Z	FD	glo	-9.060						
490	Cordoli_TR3		185	Z	FD	glo	-9.380		546	Pavim_TR1			117	Z	FD	glo	-9.060						
491	Cordoli_TR3		152	Z	FD	glo	-9.380		547	Pavim_TR1			120	Z	FD	glo	-9.060						
492	Cordoli_TR3		188	Z	FD	glo	-9.380		548	Pavim_TR1			121	Z	FD	glo	-9.060						
493	Cordoli_TR3		153	Z	FD	glo	-9.380		549	Pavim_TR1			122	Z	FD	glo	-9.060						
494	Cordoli_TR3		189	Z	FD	glo	-9.380		550	Pavim_TR1			123	Z	FD	glo	-9.060						
495	Cordoli_TR3		136	Rx	CD	loc	1060.0		551	Pavim_TR1			124	Z	FD	glo	-9.060						
1060.0	0.000	0.000							552	Pavim_TR1			125	Z	FD	glo	-9.060						
496	Cordoli_TR3		139	Rx	CD	loc	1060.0		553	Pavim_TR1			126	Z	FD	glo	-9.060						
1060.0	0.000	0.000							554	Pavim_TR1			127	Z	FD	glo	-9.060						
497	Cordoli_TR3		140	Rx	CD	loc	1060.0		555	Pavim_TR1			128	Z	FD	glo	-9.060						
1060.0	0.000	0.000							556	Pavim_TR1			129	Z	FD	glo	-9.060						
498	Cordoli_TR3		141	Rx	CD	loc	1060.0		557	Pavim_TR1			130	Z	FD	glo	-9.060						
1060.0	0.000	0.000							558	Pavim_TR1			131	Z	FD	glo	-9.060						
499	Cordoli_TR3		144	Rx	CD	loc	1060.0		559	Pavim_TR1			132	Z	FD	glo	-9.060						
1060.0	0.000	0.000							560	Pavim_TR1			133	Z	FD	glo	-9.060						
500	Cordoli_TR3		145	Rx	CD	loc	1060.0		561	Pavim_TR1			134	Z	FD	glo	-9.060						
1060.0	0.000	0.000							562	Pavim_TR1			135	Z	FD	glo	-9.060						
501	Cordoli_TR3		146	Rx	CD	loc	1060.0		563	Pavim_TR1			103	Z	FD	glo	-9.060						
1060.0	0.000	0.000							564	Pavim_TR1			170	Z	FD	glo	-9.060						
502	Cordoli_TR3		149	Rx	CD	loc	1060.0		565	Pavim_TR1			104	Z	FD	glo	-9.060						
1060.0	0.000	0.000							566	Pavim_TR1			171	Z	FD	glo	-9.060						
503	Cordoli_TR3		150	Rx	CD	loc	1060.0		567	Pavim_TR1			108	Z	FD	glo	-9.060						
1060.0	0.000	0.000							568	Pavim_TR1			180	Z	FD	glo	-9.060						
504	Cordoli_TR3		151	Rx	CD	loc	1060.0		569	Pavim_TR1			109	Z	FD	glo	-9.060						
1060.0	0.000	0.000							570	Pavim_TR1			181	Z	FD	glo	-9.060						
505	Cordoli_TR3		154	Rx	CD	loc	1060.0		571	Pavim_TR1			113	Z	FD	glo	-9.060						
1060.0	0.000	0.000							572	Pavim_TR1			182	Z	FD	glo	-9.060						
506	Cordoli_TR3		155	Rx	CD	loc	1060.0		573	Pavim_TR1			114	Z	FD	glo	-9.060						
1060.0	0.000	0.000							574	Pavim_TR1			183	Z	FD	glo	-9.060						
507	Cordoli_TR3		156	Rx	CD	loc	1060.0		575	Pavim_TR1			118	Z	FD	glo	-9.060						
1060.0	0.000	0.000							576	Pavim_TR1			186	Z	FD	glo	-9.060						
508	Cordoli_TR3		157	Rx	CD	loc	1060.0		577	Pavim_TR1			119	Z	FD	glo	-9.060						
1060.0	0.000	0.000							578	Pavim_TR1			187	Z	FD	glo	-9.060						
509	Cordoli_TR3		158	Rx	CD	loc	1060.0		579	Pavim_TR1			102	Rx	CD	loc	-480.0	-					
1060.0	0.000	0.000							480.0	0.000	0.000												
510	Cordoli_TR3		159	Rx	CD	loc	1060.0		580	Pavim_TR1			105	Rx	CD	loc	-480.0	-					
1060.0	0.000	0.000							480.0	0.000	0.000												
511	Cordoli_TR3		160	Rx	CD	loc	1060.0		581	Pavim_TR1			106	Rx	CD	loc	-480.0	-					
1060.0	0.000	0.000							480.0	0.000	0.000												
512	Cordoli_TR3		161	Rx	CD	loc	1060.0		582	Pavim_TR1			107	Rx	CD	loc	-480.0	-					
1060.0	0.000	0.000							480.0	0.000	0.000												
513	Cordoli_TR3		162	Rx	CD	loc	1060.0		583	Pavim_TR1			110	Rx	CD	loc	-480.0	-					
1060.0	0.000	0.000							480.0	0.000	0.000												

Allegato A

Allegato A: strutture analizzate

```
   584 Pavim_TR1            111  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   585 Pavim_TR1            112  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   586 Pavim_TR1            115  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   587 Pavim_TR1            116  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   588 Pavim_TR1            117  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   589 Pavim_TR1            120  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   590 Pavim_TR1            121  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   591 Pavim_TR1            122  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   592 Pavim_TR1            123  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   593 Pavim_TR1            124  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   594 Pavim_TR1            125  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   595 Pavim_TR1            126  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   596 Pavim_TR1            127  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   597 Pavim_TR1            128  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   598 Pavim_TR1            129  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   599 Pavim_TR1            130  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   600 Pavim_TR1            131  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   601 Pavim_TR1            132  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   602 Pavim_TR1            133  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   603 Pavim_TR1            134  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   604 Pavim_TR1            135  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   605 Pavim_TR1            103  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   606 Pavim_TR1            170  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   607 Pavim_TR1            104  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   608 Pavim_TR1            171  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   609 Pavim_TR1            108  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   610 Pavim_TR1            180  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   611 Pavim_TR1            109  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   612 Pavim_TR1            181  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   613 Pavim_TR1            113  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   614 Pavim_TR1            182  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   615 Pavim_TR1            114  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   616 Pavim_TR1            183  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   617 Pavim_TR1            118  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   618 Pavim_TR1            186  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   619 Pavim_TR1            119  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   620 Pavim_TR1            187  Rx  CD loc      -480.0    -
480.0      0.000      0.000
   621 Pavim_TR2             68  Z   FD glo      -6.000
   622 Pavim_TR2             71  Z   FD glo      -6.000
   623 Pavim_TR2             72  Z   FD glo      -6.000
   624 Pavim_TR2             73  Z   FD glo      -6.000
   625 Pavim_TR2             76  Z   FD glo      -6.000
   626 Pavim_TR2             77  Z   FD glo      -6.000
   627 Pavim_TR2             78  Z   FD glo      -6.000
   628 Pavim_TR2             81  Z   FD glo      -6.000
   629 Pavim_TR2             82  Z   FD glo      -6.000
   630 Pavim_TR2             83  Z   FD glo      -6.000
   631 Pavim_TR2             86  Z   FD glo      -6.000
   632 Pavim_TR2             87  Z   FD glo      -6.000
   633 Pavim_TR2             88  Z   FD glo      -6.000
   634 Pavim_TR2             89  Z   FD glo      -6.000
   635 Pavim_TR2             90  Z   FD glo      -6.000
   636 Pavim_TR2             91  Z   FD glo      -6.000
   637 Pavim_TR2             92  Z   FD glo      -6.000
   638 Pavim_TR2             93  Z   FD glo      -6.000
   639 Pavim_TR2             94  Z   FD glo      -6.000
   640 Pavim_TR2             95  Z   FD glo      -6.000
   641 Pavim_TR2             96  Z   FD glo      -6.000
   642 Pavim_TR2             97  Z   FD glo      -6.000
   643 Pavim_TR2             98  Z   FD glo      -6.000
   644 Pavim_TR2             99  Z   FD glo      -6.000
   645 Pavim_TR2            100  Z   FD glo      -6.000
   646 Pavim_TR2            101  Z   FD glo      -6.000
   647 Pavim_TR2             69  Z   FD glo      -6.000
   648 Pavim_TR2            172  Z   FD glo      -6.000
   649 Pavim_TR2             70  Z   FD glo      -6.000
   650 Pavim_TR2            173  Z   FD glo      -6.000
   651 Pavim_TR2             74  Z   FD glo      -6.000
   652 Pavim_TR2            178  Z   FD glo      -6.000
   653 Pavim_TR2             75  Z   FD glo      -6.000
   654 Pavim_TR2            179  Z   FD glo      -6.000
   655 Pavim_TR2             85  Z   FD glo      -6.000
   656 Pavim_TR2            190  Z   FD glo      -6.000
   657 Pavim_TR2             84  Z   FD glo      -6.000
   658 Pavim_TR2            191  Z   FD glo      -6.000
   659 Pavim_TR2             79  Z   FD glo      -6.000
   660 Pavim_TR2            192  Z   FD glo      -6.000
   661 Pavim_TR2             80  Z   FD glo      -6.000
   662 Pavim_TR2            193  Z   FD glo      -6.000
   663 Pavim_TR3            136  Z   FD glo      -4.440
   664 Pavim_TR3            139  Z   FD glo      -4.440
   665 Pavim_TR3            140  Z   FD glo      -4.440
   666 Pavim_TR3            141  Z   FD glo      -4.440
   667 Pavim_TR3            144  Z   FD glo      -4.440
   668 Pavim_TR3            145  Z   FD glo      -4.440
   669 Pavim_TR3            146  Z   FD glo      -4.440
   670 Pavim_TR3            149  Z   FD glo      -4.440
   671 Pavim_TR3            150  Z   FD glo      -4.440
   672 Pavim_TR3            151  Z   FD glo      -4.440
   673 Pavim_TR3            154  Z   FD glo      -4.440
   674 Pavim_TR3            155  Z   FD glo      -4.440
   675 Pavim_TR3            156  Z   FD glo      -4.440
   676 Pavim_TR3            157  Z   FD glo      -4.440
   677 Pavim_TR3            158  Z   FD glo      -4.440
   678 Pavim_TR3            159  Z   FD glo      -4.440
   679 Pavim_TR3            160  Z   FD glo      -4.440
   680 Pavim_TR3            161  Z   FD glo      -4.440
   681 Pavim_TR3            162  Z   FD glo      -4.440
   682 Pavim_TR3            163  Z   FD glo      -4.440
   683 Pavim_TR3            164  Z   FD glo      -4.440
   684 Pavim_TR3            165  Z   FD glo      -4.440
   685 Pavim_TR3            166  Z   FD glo      -4.440
   686 Pavim_TR3            167  Z   FD glo      -4.440
   687 Pavim_TR3            168  Z   FD glo      -4.440
   688 Pavim_TR3            169  Z   FD glo      -4.440
   689 Pavim_TR3            137  Z   FD glo      -4.440
   690 Pavim_TR3            174  Z   FD glo      -4.440
   691 Pavim_TR3            138  Z   FD glo      -4.440
   692 Pavim_TR3            175  Z   FD glo      -4.440
   693 Pavim_TR3            142  Z   FD glo      -4.440
   694 Pavim_TR3            176  Z   FD glo      -4.440
   695 Pavim_TR3            143  Z   FD glo      -4.440
   696 Pavim_TR3            177  Z   FD glo      -4.440
   697 Pavim_TR3            147  Z   FD glo      -4.440
   698 Pavim_TR3            184  Z   FD glo      -4.440
   699 Pavim_TR3            148  Z   FD glo      -4.440
   700 Pavim_TR3            185  Z   FD glo      -4.440
   701 Pavim_TR3            152  Z   FD glo      -4.440
   702 Pavim_TR3            188  Z   FD glo      -4.440
   703 Pavim_TR3            153  Z   FD glo      -4.440
   704 Pavim_TR3            189  Z   FD glo      -4.440
   705 Pavim_TR3            136  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   706 Pavim_TR3            139  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   707 Pavim_TR3            140  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   708 Pavim_TR3            141  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   709 Pavim_TR3            144  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   710 Pavim_TR3            145  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   711 Pavim_TR3            146  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   712 Pavim_TR3            149  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   713 Pavim_TR3            150  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   714 Pavim_TR3            151  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   715 Pavim_TR3            154  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   716 Pavim_TR3            155  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   717 Pavim_TR3            156  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   718 Pavim_TR3            157  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   719 Pavim_TR3            158  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   720 Pavim_TR3            159  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   721 Pavim_TR3            160  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   722 Pavim_TR3            161  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   723 Pavim_TR3            162  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   724 Pavim_TR3            163  Rx  CD loc      -111.0    -
111.0      0.000      0.000
```

Allegato A

Allegato A: strutture analizzate

```
   725 Pavim_TR3              164  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   726 Pavim_TR3              165  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   727 Pavim_TR3              166  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   728 Pavim_TR3              167  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   729 Pavim_TR3              168  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   730 Pavim_TR3              169  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   731 Pavim_TR3              137  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   732 Pavim_TR3              174  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   733 Pavim_TR3              138  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   734 Pavim_TR3              175  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   735 Pavim_TR3              142  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   736 Pavim_TR3              176  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   737 Pavim_TR3              143  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   738 Pavim_TR3              177  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   739 Pavim_TR3              147  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   740 Pavim_TR3              184  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   741 Pavim_TR3              148  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   742 Pavim_TR3              185  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   743 Pavim_TR3              152  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   744 Pavim_TR3              188  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   745 Pavim_TR3              153  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   746 Pavim_TR3              189  Rx  CD loc      -111.0    -
111.0      0.000      0.000
   747 Sicurvia_TR1_TR3       102  Z   FD glo      -1.500
   748 Sicurvia_TR1_TR3       105  Z   FD glo      -1.500
   749 Sicurvia_TR1_TR3       106  Z   FD glo      -1.500
   750 Sicurvia_TR1_TR3       107  Z   FD glo      -1.500
   751 Sicurvia_TR1_TR3       110  Z   FD glo      -1.500
   752 Sicurvia_TR1_TR3       111  Z   FD glo      -1.500
   753 Sicurvia_TR1_TR3       112  Z   FD glo      -1.500
   754 Sicurvia_TR1_TR3       115  Z   FD glo      -1.500
   755 Sicurvia_TR1_TR3       116  Z   FD glo      -1.500
   756 Sicurvia_TR1_TR3       117  Z   FD glo      -1.500
   757 Sicurvia_TR1_TR3       120  Z   FD glo      -1.500
   758 Sicurvia_TR1_TR3       121  Z   FD glo      -1.500
   759 Sicurvia_TR1_TR3       122  Z   FD glo      -1.500
   760 Sicurvia_TR1_TR3       123  Z   FD glo      -1.500
   761 Sicurvia_TR1_TR3       124  Z   FD glo      -1.500
   762 Sicurvia_TR1_TR3       125  Z   FD glo      -1.500
   763 Sicurvia_TR1_TR3       126  Z   FD glo      -1.500
   764 Sicurvia_TR1_TR3       127  Z   FD glo      -1.500
   765 Sicurvia_TR1_TR3       128  Z   FD glo      -1.500
   766 Sicurvia_TR1_TR3       129  Z   FD glo      -1.500
   767 Sicurvia_TR1_TR3       130  Z   FD glo      -1.500
   768 Sicurvia_TR1_TR3       131  Z   FD glo      -1.500
   769 Sicurvia_TR1_TR3       132  Z   FD glo      -1.500
   770 Sicurvia_TR1_TR3       133  Z   FD glo      -1.500
   771 Sicurvia_TR1_TR3       134  Z   FD glo      -1.500
   772 Sicurvia_TR1_TR3       135  Z   FD glo      -1.500
   773 Sicurvia_TR1_TR3       103  Z   FD glo      -1.500
   774 Sicurvia_TR1_TR3       170  Z   FD glo      -1.500
   775 Sicurvia_TR1_TR3       104  Z   FD glo      -1.500
   776 Sicurvia_TR1_TR3       171  Z   FD glo      -1.500
   777 Sicurvia_TR1_TR3       108  Z   FD glo      -1.500
   778 Sicurvia_TR1_TR3       180  Z   FD glo      -1.500
   779 Sicurvia_TR1_TR3       109  Z   FD glo      -1.500
   780 Sicurvia_TR1_TR3       181  Z   FD glo      -1.500
   781 Sicurvia_TR1_TR3       113  Z   FD glo      -1.500
   782 Sicurvia_TR1_TR3       182  Z   FD glo      -1.500
   783 Sicurvia_TR1_TR3       114  Z   FD glo      -1.500
   784 Sicurvia_TR1_TR3       183  Z   FD glo      -1.500
   785 Sicurvia_TR1_TR3       118  Z   FD glo      -1.500
   786 Sicurvia_TR1_TR3       186  Z   FD glo      -1.500
   787 Sicurvia_TR1_TR3       119  Z   FD glo      -1.500
   788 Sicurvia_TR1_TR3       187  Z   FD glo      -1.500
   789 Sicurvia_TR1_TR3       136  Z   FD glo      -1.500
   790 Sicurvia_TR1_TR3       139  Z   FD glo      -1.500
   791 Sicurvia_TR1_TR3       140  Z   FD glo      -1.500
   792 Sicurvia_TR1_TR3       141  Z   FD glo      -1.500
   793 Sicurvia_TR1_TR3       144  Z   FD glo      -1.500
   794 Sicurvia_TR1_TR3       145  Z   FD glo      -1.500
   795 Sicurvia_TR1_TR3       146  Z   FD glo      -1.500
   796 Sicurvia_TR1_TR3       149  Z   FD glo      -1.500
   797 Sicurvia_TR1_TR3       150  Z   FD glo      -1.500
   798 Sicurvia_TR1_TR3       151  Z   FD glo      -1.500
   799 Sicurvia_TR1_TR3       154  Z   FD glo      -1.500
   800 Sicurvia_TR1_TR3       155  Z   FD glo      -1.500
   801 Sicurvia_TR1_TR3       156  Z   FD glo      -1.500

   802 Sicurvia_TR1_TR3       157  Z   FD glo      -1.500
   803 Sicurvia_TR1_TR3       158  Z   FD glo      -1.500
   804 Sicurvia_TR1_TR3       159  Z   FD glo      -1.500
   805 Sicurvia_TR1_TR3       160  Z   FD glo      -1.500
   806 Sicurvia_TR1_TR3       161  Z   FD glo      -1.500
   807 Sicurvia_TR1_TR3       162  Z   FD glo      -1.500
   808 Sicurvia_TR1_TR3       163  Z   FD glo      -1.500
   809 Sicurvia_TR1_TR3       164  Z   FD glo      -1.500
   810 Sicurvia_TR1_TR3       165  Z   FD glo      -1.500
   811 Sicurvia_TR1_TR3       166  Z   FD glo      -1.500
   812 Sicurvia_TR1_TR3       167  Z   FD glo      -1.500
   813 Sicurvia_TR1_TR3       168  Z   FD glo      -1.500
   814 Sicurvia_TR1_TR3       169  Z   FD glo      -1.500
   815 Sicurvia_TR1_TR3       137  Z   FD glo      -1.500
   816 Sicurvia_TR1_TR3       174  Z   FD glo      -1.500
   817 Sicurvia_TR1_TR3       138  Z   FD glo      -1.500
   818 Sicurvia_TR1_TR3       175  Z   FD glo      -1.500
   819 Sicurvia_TR1_TR3       142  Z   FD glo      -1.500
   820 Sicurvia_TR1_TR3       176  Z   FD glo      -1.500
   821 Sicurvia_TR1_TR3       143  Z   FD glo      -1.500
   822 Sicurvia_TR1_TR3       177  Z   FD glo      -1.500
   823 Sicurvia_TR1_TR3       147  Z   FD glo      -1.500
   824 Sicurvia_TR1_TR3       184  Z   FD glo      -1.500
   825 Sicurvia_TR1_TR3       148  Z   FD glo      -1.500
   826 Sicurvia_TR1_TR3       185  Z   FD glo      -1.500
   827 Sicurvia_TR1_TR3       152  Z   FD glo      -1.500
   828 Sicurvia_TR1_TR3       188  Z   FD glo      -1.500
   829 Sicurvia_TR1_TR3       153  Z   FD glo      -1.500
   830 Sicurvia_TR1_TR3       189  Z   FD glo      -1.500
   831 Sicurvia_TR1           102  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   832 Sicurvia_TR1           105  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   833 Sicurvia_TR1           106  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   834 Sicurvia_TR1           107  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   835 Sicurvia_TR1           110  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   836 Sicurvia_TR1           111  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   837 Sicurvia_TR1           112  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   838 Sicurvia_TR1           115  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   839 Sicurvia_TR1           116  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   840 Sicurvia_TR1           117  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   841 Sicurvia_TR1           120  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   842 Sicurvia_TR1           121  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   843 Sicurvia_TR1           122  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   844 Sicurvia_TR1           123  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   845 Sicurvia_TR1           124  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   846 Sicurvia_TR1           125  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   847 Sicurvia_TR1           126  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   848 Sicurvia_TR1           127  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   849 Sicurvia_TR1           128  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   850 Sicurvia_TR1           129  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   851 Sicurvia_TR1           130  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   852 Sicurvia_TR1           131  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   853 Sicurvia_TR1           132  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   854 Sicurvia_TR1           133  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   855 Sicurvia_TR1           134  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   856 Sicurvia_TR1           135  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   857 Sicurvia_TR1           103  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   858 Sicurvia_TR1           170  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   859 Sicurvia_TR1           104  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   860 Sicurvia_TR1           171  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   861 Sicurvia_TR1           108  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   862 Sicurvia_TR1           180  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   863 Sicurvia_TR1           109  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   864 Sicurvia_TR1           181  Rx  CD loc      -372.0    -
372.0      0.000      0.000
   865 Sicurvia_TR1           113  Rx  CD loc      -372.0    -
372.0      0.000      0.000
```

Allegato A

Allegato A: strutture analizzate

```
   866 Sicurvia_TR1           182  Rx  CD loc     -372.0     -
372.0      0.000       0.000
   867 Sicurvia_TR1           114  Rx  CD loc     -372.0     -
372.0      0.000       0.000
   868 Sicurvia_TR1           183  Rx  CD loc     -372.0     -
372.0      0.000       0.000
   869 Sicurvia_TR1           118  Rx  CD loc     -372.0     -
372.0      0.000       0.000
   870 Sicurvia_TR1           186  Rx  CD loc     -372.0     -
372.0      0.000       0.000
   871 Sicurvia_TR1           119  Rx  CD loc     -372.0     -
372.0      0.000       0.000
   872 Sicurvia_TR1           187  Rx  CD loc     -372.0     -
372.0      0.000       0.000
   873 Sicurvia_TR3           136  Rx  CD loc      143.0
143.0      0.000       0.000
   874 Sicurvia_TR3           139  Rx  CD loc      143.0
143.0      0.000       0.000
   875 Sicurvia_TR3           140  Rx  CD loc      143.0
143.0      0.000       0.000
   876 Sicurvia_TR3           141  Rx  CD loc      143.0
143.0      0.000       0.000
   877 Sicurvia_TR3           144  Rx  CD loc      143.0
143.0      0.000       0.000
   878 Sicurvia_TR3           145  Rx  CD loc      143.0
143.0      0.000       0.000
   879 Sicurvia_TR3           146  Rx  CD loc      143.0
143.0      0.000       0.000
   880 Sicurvia_TR3           149  Rx  CD loc      143.0
143.0      0.000       0.000
   881 Sicurvia_TR3           150  Rx  CD loc      143.0
143.0      0.000       0.000
   882 Sicurvia_TR3           151  Rx  CD loc      143.0
143.0      0.000       0.000
   883 Sicurvia_TR3           154  Rx  CD loc      143.0
143.0      0.000       0.000
   884 Sicurvia_TR3           155  Rx  CD loc      143.0
143.0      0.000       0.000
   885 Sicurvia_TR3           156  Rx  CD loc      143.0
143.0      0.000       0.000
   886 Sicurvia_TR3           157  Rx  CD loc      143.0
143.0      0.000       0.000
   887 Sicurvia_TR3           158  Rx  CD loc      143.0
143.0      0.000       0.000
   888 Sicurvia_TR3           159  Rx  CD loc      143.0
143.0      0.000       0.000
   889 Sicurvia_TR3           160  Rx  CD loc      143.0
143.0      0.000       0.000
   890 Sicurvia_TR3           161  Rx  CD loc      143.0
143.0      0.000       0.000
   891 Sicurvia_TR3           162  Rx  CD loc      143.0
143.0      0.000       0.000
   892 Sicurvia_TR3           163  Rx  CD loc      143.0
143.0      0.000       0.000
   893 Sicurvia_TR3           164  Rx  CD loc      143.0
143.0      0.000       0.000
   894 Sicurvia_TR3           165  Rx  CD loc      143.0
143.0      0.000       0.000
   895 Sicurvia_TR3           166  Rx  CD loc      143.0
143.0      0.000       0.000
   896 Sicurvia_TR3           167  Rx  CD loc      143.0
143.0      0.000       0.000
   897 Sicurvia_TR3           168  Rx  CD loc      143.0
143.0      0.000       0.000
   898 Sicurvia_TR3           169  Rx  CD loc      143.0
143.0      0.000       0.000
   899 Sicurvia_TR3           137  Rx  CD loc      143.0
143.0      0.000       0.000
   900 Sicurvia_TR3           174  Rx  CD loc      143.0
143.0      0.000       0.000
   901 Sicurvia_TR3           138  Rx  CD loc      143.0
143.0      0.000       0.000
   902 Sicurvia_TR3           175  Rx  CD loc      143.0
143.0      0.000       0.000
   903 Sicurvia_TR3           142  Rx  CD loc      143.0
143.0      0.000       0.000
   904 Sicurvia_TR3           176  Rx  CD loc      143.0
143.0      0.000       0.000
   905 Sicurvia_TR3           143  Rx  CD loc      143.0
143.0      0.000       0.000
   906 Sicurvia_TR3           177  Rx  CD loc      143.0
143.0      0.000       0.000
   907 Sicurvia_TR3           147  Rx  CD loc      143.0
143.0      0.000       0.000
   908 Sicurvia_TR3           184  Rx  CD loc      143.0
143.0      0.000       0.000
   909 Sicurvia_TR3           148  Rx  CD loc      143.0
143.0      0.000       0.000
   910 Sicurvia_TR3           185  Rx  CD loc      143.0
143.0      0.000       0.000
   911 Sicurvia_TR3           152  Rx  CD loc      143.0
143.0      0.000       0.000
   912 Sicurvia_TR3           188  Rx  CD loc      143.0
143.0      0.000       0.000
   913 Sicurvia_TR3           153  Rx  CD loc      143.0
143.0      0.000       0.000
   914 Sicurvia_TR3           189  Rx  CD loc      143.0
143.0      0.000       0.000
   915 Rete_e_veletta_TR1_T   102  Z   FD glo     -1.500
   916 Rete_e_veletta_TR1_T   105  Z   FD glo     -1.500
   917 Rete_e_veletta_TR1_T   106  Z   FD glo     -1.500
   918 Rete_e_veletta_TR1_T   107  Z   FD glo     -1.500
   919 Rete_e_veletta_TR1_T   110  Z   FD glo     -1.500
   920 Rete_e_veletta_TR1_T   111  Z   FD glo     -1.500
   921 Rete_e_veletta_TR1_T   112  Z   FD glo     -1.500
   922 Rete_e_veletta_TR1_T   115  Z   FD glo     -1.500
   923 Rete_e_veletta_TR1_T   116  Z   FD glo     -1.500
   924 Rete_e_veletta_TR1_T   117  Z   FD glo     -1.500
   925 Rete_e_veletta_TR1_T   120  Z   FD glo     -1.500
   926 Rete_e_veletta_TR1_T   121  Z   FD glo     -1.500
   927 Rete_e_veletta_TR1_T   122  Z   FD glo     -1.500
   928 Rete_e_veletta_TR1_T   123  Z   FD glo     -1.500
   929 Rete_e_veletta_TR1_T   124  Z   FD glo     -1.500
   930 Rete_e_veletta_TR1_T   125  Z   FD glo     -1.500
   931 Rete_e_veletta_TR1_T   126  Z   FD glo     -1.500
   932 Rete_e_veletta_TR1_T   127  Z   FD glo     -1.500
   933 Rete_e_veletta_TR1_T   128  Z   FD glo     -1.500
   934 Rete_e_veletta_TR1_T   129  Z   FD glo     -1.500
   935 Rete_e_veletta_TR1_T   130  Z   FD glo     -1.500
   936 Rete_e_veletta_TR1_T   131  Z   FD glo     -1.500
   937 Rete_e_veletta_TR1_T   132  Z   FD glo     -1.500
   938 Rete_e_veletta_TR1_T   133  Z   FD glo     -1.500
   939 Rete_e_veletta_TR1_T   134  Z   FD glo     -1.500
   940 Rete_e_veletta_TR1_T   135  Z   FD glo     -1.500
   941 Rete_e_veletta_TR1_T   103  Z   FD glo     -1.500
   942 Rete_e_veletta_TR1_T   170  Z   FD glo     -1.500
   943 Rete_e_veletta_TR1_T   104  Z   FD glo     -1.500
   944 Rete_e_veletta_TR1_T   171  Z   FD glo     -1.500
   945 Rete_e_veletta_TR1_T   108  Z   FD glo     -1.500
   946 Rete_e_veletta_TR1_T   180  Z   FD glo     -1.500
   947 Rete_e_veletta_TR1_T   109  Z   FD glo     -1.500
   948 Rete_e_veletta_TR1_T   181  Z   FD glo     -1.500
   949 Rete_e_veletta_TR1_T   113  Z   FD glo     -1.500
   950 Rete_e_veletta_TR1_T   182  Z   FD glo     -1.500
   951 Rete_e_veletta_TR1_T   114  Z   FD glo     -1.500
   952 Rete_e_veletta_TR1_T   183  Z   FD glo     -1.500
   953 Rete_e_veletta_TR1_T   118  Z   FD glo     -1.500
   954 Rete_e_veletta_TR1_T   186  Z   FD glo     -1.500
   955 Rete_e_veletta_TR1_T   119  Z   FD glo     -1.500
   956 Rete_e_veletta_TR1_T   187  Z   FD glo     -1.500
   957 Rete_e_veletta_TR1_T   136  Z   FD glo     -1.500
   958 Rete_e_veletta_TR1_T   139  Z   FD glo     -1.500
   959 Rete_e_veletta_TR1_T   140  Z   FD glo     -1.500
   960 Rete_e_veletta_TR1_T   141  Z   FD glo     -1.500
   961 Rete_e_veletta_TR1_T   144  Z   FD glo     -1.500
   962 Rete_e_veletta_TR1_T   145  Z   FD glo     -1.500
   963 Rete_e_veletta_TR1_T   146  Z   FD glo     -1.500
   964 Rete_e_veletta_TR1_T   149  Z   FD glo     -1.500
   965 Rete_e_veletta_TR1_T   150  Z   FD glo     -1.500
   966 Rete_e_veletta_TR1_T   151  Z   FD glo     -1.500
   967 Rete_e_veletta_TR1_T   154  Z   FD glo     -1.500
   968 Rete_e_veletta_TR1_T   155  Z   FD glo     -1.500
   969 Rete_e_veletta_TR1_T   156  Z   FD glo     -1.500
   970 Rete_e_veletta_TR1_T   157  Z   FD glo     -1.500
   971 Rete_e_veletta_TR1_T   158  Z   FD glo     -1.500
   972 Rete_e_veletta_TR1_T   159  Z   FD glo     -1.500
   973 Rete_e_veletta_TR1_T   160  Z   FD glo     -1.500
   974 Rete_e_veletta_TR1_T   161  Z   FD glo     -1.500
   975 Rete_e_veletta_TR1_T   162  Z   FD glo     -1.500
   976 Rete_e_veletta_TR1_T   163  Z   FD glo     -1.500
   977 Rete_e_veletta_TR1_T   164  Z   FD glo     -1.500
   978 Rete_e_veletta_TR1_T   165  Z   FD glo     -1.500
   979 Rete_e_veletta_TR1_T   166  Z   FD glo     -1.500
   980 Rete_e_veletta_TR1_T   167  Z   FD glo     -1.500
   981 Rete_e_veletta_TR1_T   168  Z   FD glo     -1.500
   982 Rete_e_veletta_TR1_T   169  Z   FD glo     -1.500
   983 Rete_e_veletta_TR1_T   137  Z   FD glo     -1.500
   984 Rete_e_veletta_TR1_T   174  Z   FD glo     -1.500
   985 Rete_e_veletta_TR1_T   138  Z   FD glo     -1.500
   986 Rete_e_veletta_TR1_T   175  Z   FD glo     -1.500
   987 Rete_e_veletta_TR1_T   142  Z   FD glo     -1.500
   988 Rete_e_veletta_TR1_T   176  Z   FD glo     -1.500
   989 Rete_e_veletta_TR1_T   143  Z   FD glo     -1.500
   990 Rete_e_veletta_TR1_T   177  Z   FD glo     -1.500
   991 Rete_e_veletta_TR1_T   147  Z   FD glo     -1.500
   992 Rete_e_veletta_TR1_T   184  Z   FD glo     -1.500
   993 Rete_e_veletta_TR1_T   148  Z   FD glo     -1.500
   994 Rete_e_veletta_TR1_T   185  Z   FD glo     -1.500
   995 Rete_e_veletta_TR1_T   152  Z   FD glo     -1.500
   996 Rete_e_veletta_TR1_T   188  Z   FD glo     -1.500
   997 Rete_e_veletta_TR1_T   153  Z   FD glo     -1.500
   998 Rete_e_veletta_TR1_T   189  Z   FD glo     -1.500
   999 Rete_e_veletta_TR1     102  Rx  CD loc     -387.0     -
387.0      0.000       0.000
  1000 Rete_e_veletta_TR1     105  Rx  CD loc     -387.0     -
387.0      0.000       0.000
  1001 Rete_e_veletta_TR1     106  Rx  CD loc     -387.0     -
387.0      0.000       0.000
  1002 Rete_e_veletta_TR1     107  Rx  CD loc     -387.0     -
387.0      0.000       0.000
  1003 Rete_e_veletta_TR1     110  Rx  CD loc     -387.0     -
387.0      0.000       0.000
  1004 Rete_e_veletta_TR1     111  Rx  CD loc     -387.0     -
387.0      0.000       0.000
  1005 Rete_e_veletta_TR1     112  Rx  CD loc     -387.0     -
387.0      0.000       0.000
  1006 Rete_e_veletta_TR1     115  Rx  CD loc     -387.0     -
387.0      0.000       0.000
```

Allegato A

Allegato A: strutture analizzate

1007	Rete_e_veletta_TR1	116	Rx	CD	loc	-387.0	-	1056	Rete_e_veletta_TR3	159	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1008	Rete_e_veletta_TR1	117	Rx	CD	loc	-387.0	-	1057	Rete_e_veletta_TR3	160	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1009	Rete_e_veletta_TR1	120	Rx	CD	loc	-387.0	-	1058	Rete_e_veletta_TR3	161	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1010	Rete_e_veletta_TR1	121	Rx	CD	loc	-387.0	-	1059	Rete_e_veletta_TR3	162	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1011	Rete_e_veletta_TR1	122	Rx	CD	loc	-387.0	-	1060	Rete_e_veletta_TR3	163	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1012	Rete_e_veletta_TR1	123	Rx	CD	loc	-387.0	-	1061	Rete_e_veletta_TR3	164	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1013	Rete_e_veletta_TR1	124	Rx	CD	loc	-387.0	-	1062	Rete_e_veletta_TR3	165	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1014	Rete_e_veletta_TR1	125	Rx	CD	loc	-387.0	-	1063	Rete_e_veletta_TR3	166	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1015	Rete_e_veletta_TR1	126	Rx	CD	loc	-387.0	-	1064	Rete_e_veletta_TR3	167	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1016	Rete_e_veletta_TR1	127	Rx	CD	loc	-387.0	-	1065	Rete_e_veletta_TR3	168	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1017	Rete_e_veletta_TR1	128	Rx	CD	loc	-387.0	-	1066	Rete_e_veletta_TR3	169	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1018	Rete_e_veletta_TR1	129	Rx	CD	loc	-387.0	-	1067	Rete_e_veletta_TR3	137	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1019	Rete_e_veletta_TR1	130	Rx	CD	loc	-387.0	-	1068	Rete_e_veletta_TR3	174	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1020	Rete_e_veletta_TR1	131	Rx	CD	loc	-387.0	-	1069	Rete_e_veletta_TR3	138	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1021	Rete_e_veletta_TR1	132	Rx	CD	loc	-387.0	-	1070	Rete_e_veletta_TR3	175	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1022	Rete_e_veletta_TR1	133	Rx	CD	loc	-387.0	-	1071	Rete_e_veletta_TR3	142	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1023	Rete_e_veletta_TR1	134	Rx	CD	loc	-387.0	-	1072	Rete_e_veletta_TR3	176	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1024	Rete_e_veletta_TR1	135	Rx	CD	loc	-387.0	-	1073	Rete_e_veletta_TR3	143	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1025	Rete_e_veletta_TR1	103	Rx	CD	loc	-387.0	-	1074	Rete_e_veletta_TR3	177	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1026	Rete_e_veletta_TR1	170	Rx	CD	loc	-387.0	-	1075	Rete_e_veletta_TR3	147	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1027	Rete_e_veletta_TR1	104	Rx	CD	loc	-387.0	-	1076	Rete_e_veletta_TR3	184	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1028	Rete_e_veletta_TR1	171	Rx	CD	loc	-387.0	-	1077	Rete_e_veletta_TR3	148	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1029	Rete_e_veletta_TR1	108	Rx	CD	loc	-387.0	-	1078	Rete_e_veletta_TR3	185	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1030	Rete_e_veletta_TR1	180	Rx	CD	loc	-387.0	-	1079	Rete_e_veletta_TR3	152	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1031	Rete_e_veletta_TR1	109	Rx	CD	loc	-387.0	-	1080	Rete_e_veletta_TR3	188	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1032	Rete_e_veletta_TR1	181	Rx	CD	loc	-387.0	-	1081	Rete_e_veletta_TR3	153	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1033	Rete_e_veletta_TR1	113	Rx	CD	loc	-387.0	-	1082	Rete_e_veletta_TR3	189	Rx	CD	loc	270.0	387.0	0.000	0.000	270.0	0.000	0.000
1034	Rete_e_veletta_TR1	182	Rx	CD	loc	-387.0	-	1083	Distr_C1_TR1	102	Z	FD	glo	-7.501	387.0	0.000	0.000	1084	Distr_C1_TR1	105	Z	FD	glo	-7.501
1035	Rete_e_veletta_TR1	114	Rx	CD	loc	-387.0	-	1085	Distr_C1_TR1	106	Z	FD	glo	-7.501	387.0	0.000	0.000	1086	Distr_C1_TR1	107	Z	FD	glo	-7.501
1036	Rete_e_veletta_TR1	183	Rx	CD	loc	-387.0	-	1087	Distr_C1_TR1	110	Z	FD	glo	-7.501	387.0	0.000	0.000	1088	Distr_C1_TR1	111	Z	FD	glo	-7.501
1037	Rete_e_veletta_TR1	118	Rx	CD	loc	-387.0	-	1089	Distr_C1_TR1	112	Z	FD	glo	-7.501	387.0	0.000	0.000	1090	Distr_C1_TR1	115	Z	FD	glo	-7.501
1038	Rete_e_veletta_TR1	186	Rx	CD	loc	-387.0	-	1091	Distr_C1_TR1	116	Z	FD	glo	-7.501	387.0	0.000	0.000	1092	Distr_C1_TR1	117	Z	FD	glo	-7.501
1039	Rete_e_veletta_TR1	119	Rx	CD	loc	-387.0	-	1093	Distr_C1_TR1	120	Z	FD	glo	-7.501	387.0	0.000	0.000	1094	Distr_C1_TR1	121	Z	FD	glo	-7.501
1040	Rete_e_veletta_TR1	187	Rx	CD	loc	-387.0	-	1095	Distr_C1_TR1	122	Z	FD	glo	-7.501	387.0	0.000	0.000	1096	Distr_C1_TR1	123	Z	FD	glo	-7.501
1041	Rete_e_veletta_TR3	136	Rx	CD	loc	270.0	270.0	0.000	0.000	1097	Distr_C1_TR1	124	Z	FD	glo	-7.501	270.0	0.000	0.000	1098	Distr_C1_TR1	125	Z	FD	glo	-7.501
1042	Rete_e_veletta_TR3	139	Rx	CD	loc	270.0	270.0	0.000	0.000	1099	Distr_C1_TR1	126	Z	FD	glo	-7.501	270.0	0.000	0.000	1100	Distr_C1_TR1	127	Z	FD	glo	-7.501
1043	Rete_e_veletta_TR3	140	Rx	CD	loc	270.0	270.0	0.000	0.000	1101	Distr_C1_TR1	128	Z	FD	glo	-7.501	270.0	0.000	0.000	1102	Distr_C1_TR1	129	Z	FD	glo	-7.501
1044	Rete_e_veletta_TR3	141	Rx	CD	loc	270.0	270.0	0.000	0.000	1103	Distr_C1_TR1	130	Z	FD	glo	-7.501	270.0	0.000	0.000	1104	Distr_C1_TR1	131	Z	FD	glo	-7.501
1045	Rete_e_veletta_TR3	144	Rx	CD	loc	270.0	270.0	0.000	0.000	1105	Distr_C1_TR1	132	Z	FD	glo	-7.501	270.0	0.000	0.000	1106	Distr_C1_TR1	133	Z	FD	glo	-7.501
1046	Rete_e_veletta_TR3	145	Rx	CD	loc	270.0	270.0	0.000	0.000	1107	Distr_C1_TR1	134	Z	FD	glo	-7.501	270.0	0.000	0.000	1108	Distr_C1_TR1	135	Z	FD	glo	-7.501
1047	Rete_e_veletta_TR3	146	Rx	CD	loc	270.0	270.0	0.000	0.000	1109	Distr_C1_TR1	103	Z	FD	glo	-7.501	270.0	0.000	0.000	1110	Distr_C1_TR1	170	Z	FD	glo	-7.501
1048	Rete_e_veletta_TR3	149	Rx	CD	loc	270.0	270.0	0.000	0.000	1111	Distr_C1_TR1	104	Z	FD	glo	-7.501	270.0	0.000	0.000	1112	Distr_C1_TR1	171	Z	FD	glo	-7.501
1049	Rete_e_veletta_TR3	150	Rx	CD	loc	270.0	270.0	0.000	0.000	1113	Distr_C1_TR1	108	Z	FD	glo	-7.501	270.0	0.000	0.000	1114	Distr_C1_TR1	180	Z	FD	glo	-7.501
1050	Rete_e_veletta_TR3	151	Rx	CD	loc	270.0	270.0	0.000	0.000	1115	Distr_C1_TR1	109	Z	FD	glo	-7.501	270.0	0.000	0.000	1116	Distr_C1_TR1	181	Z	FD	glo	-7.501
1051	Rete_e_veletta_TR3	154	Rx	CD	loc	270.0	270.0	0.000	0.000	1117	Distr_C1_TR1	113	Z	FD	glo	-7.501	270.0	0.000	0.000	1118	Distr_C1_TR1	182	Z	FD	glo	-7.501
1052	Rete_e_veletta_TR3	155	Rx	CD	loc	270.0	270.0	0.000	0.000	1119	Distr_C1_TR1	114	Z	FD	glo	-7.501	270.0	0.000	0.000	1120	Distr_C1_TR1	183	Z	FD	glo	-7.501
1053	Rete_e_veletta_TR3	156	Rx	CD	loc	270.0	270.0	0.000	0.000	1121	Distr_C1_TR1	118	Z	FD	glo	-7.501	270.0	0.000	0.000	1122	Distr_C1_TR1	186	Z	FD	glo	-7.501
1054	Rete_e_veletta_TR3	157	Rx	CD	loc	270.0	270.0	0.000	0.000	1123	Distr_C1_TR1	119	Z	FD	glo	-7.501	270.0	0.000	0.000	1124	Distr_C1_TR1	187	Z	FD	glo	-7.501
1055	Rete_e_veletta_TR3	158	Rx	CD	loc	270.0	270.0	0.000	0.000	1125	Distr_C1_TR1	102	Rx	CD	loc	-397.5	-	397.5	0.000	0.000

Allegato A

Allegato A: strutture analizzate

1126	Distr_C1_TR1	105	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1127	Distr_C1_TR1	106	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1128	Distr_C1_TR1	107	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1129	Distr_C1_TR1	110	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1130	Distr_C1_TR1	111	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1131	Distr_C1_TR1	112	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1132	Distr_C1_TR1	115	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1133	Distr_C1_TR1	116	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1134	Distr_C1_TR1	117	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1135	Distr_C1_TR1	120	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1136	Distr_C1_TR1	121	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1137	Distr_C1_TR1	122	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1138	Distr_C1_TR1	123	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1139	Distr_C1_TR1	124	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1140	Distr_C1_TR1	125	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1141	Distr_C1_TR1	126	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1142	Distr_C1_TR1	127	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1143	Distr_C1_TR1	128	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1144	Distr_C1_TR1	129	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1145	Distr_C1_TR1	130	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1146	Distr_C1_TR1	131	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1147	Distr_C1_TR1	132	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1148	Distr_C1_TR1	133	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1149	Distr_C1_TR1	134	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1150	Distr_C1_TR1	135	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1151	Distr_C1_TR1	103	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1152	Distr_C1_TR1	170	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1153	Distr_C1_TR1	104	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1154	Distr_C1_TR1	171	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1155	Distr_C1_TR1	108	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1156	Distr_C1_TR1	180	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1157	Distr_C1_TR1	109	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1158	Distr_C1_TR1	181	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1159	Distr_C1_TR1	113	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1160	Distr_C1_TR1	182	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1161	Distr_C1_TR1	114	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1162	Distr_C1_TR1	183	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1163	Distr_C1_TR1	118	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1164	Distr_C1_TR1	186	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1165	Distr_C1_TR1	119	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1166	Distr_C1_TR1	187	Rx	CD loc	-397.5	-	397.5	0.000	0.000
1167	Distr_C2_TR2	68	Z	FD glo	-5.000				
1168	Distr_C2_TR2	71	Z	FD glo	-5.000				
1169	Distr_C2_TR2	72	Z	FD glo	-5.000				
1170	Distr_C2_TR2	73	Z	FD glo	-5.000				
1171	Distr_C2_TR2	76	Z	FD glo	-5.000				
1172	Distr_C2_TR2	77	Z	FD glo	-5.000				
1173	Distr_C2_TR2	78	Z	FD glo	-5.000				
1174	Distr_C2_TR2	81	Z	FD glo	-5.000				
1175	Distr_C2_TR2	82	Z	FD glo	-5.000				
1176	Distr_C2_TR2	83	Z	FD glo	-5.000				
1177	Distr_C2_TR2	86	Z	FD glo	-5.000				
1178	Distr_C2_TR2	87	Z	FD glo	-5.000				
1179	Distr_C2_TR2	88	Z	FD glo	-5.000				
1180	Distr_C2_TR2	89	Z	FD glo	-5.000				
1181	Distr_C2_TR2	90	Z	FD glo	-5.000				
1182	Distr_C2_TR2	91	Z	FD glo	-5.000				
1183	Distr_C2_TR2	92	Z	FD glo	-5.000				
1184	Distr_C2_TR2	93	Z	FD glo	-5.000				
1185	Distr_C2_TR2	94	Z	FD glo	-5.000				
1186	Distr_C2_TR2	95	Z	FD glo	-5.000				
1187	Distr_C2_TR2	96	Z	FD glo	-5.000				
1188	Distr_C2_TR2	97	Z	FD glo	-5.000				
1189	Distr_C2_TR2	98	Z	FD glo	-5.000				
1190	Distr_C2_TR2	99	Z	FD glo	-5.000				
1191	Distr_C2_TR2	100	Z	FD glo	-5.000				
1192	Distr_C2_TR2	101	Z	FD glo	-5.000				
1193	Distr_C2_TR2	69	Z	FD glo	-5.000				
1194	Distr_C2_TR2	172	Z	FD glo	-5.000				
1195	Distr_C2_TR2	70	Z	FD glo	-5.000				
1196	Distr_C2_TR2	173	Z	FD glo	-5.000				
1197	Distr_C2_TR2	74	Z	FD glo	-5.000				
1198	Distr_C2_TR2	178	Z	FD glo	-5.000				
1199	Distr_C2_TR2	75	Z	FD glo	-5.000				
1200	Distr_C2_TR2	179	Z	FD glo	-5.000				
1201	Distr_C2_TR2	85	Z	FD glo	-5.000				
1202	Distr_C2_TR2	190	Z	FD glo	-5.000				
1203	Distr_C2_TR2	84	Z	FD glo	-5.000				
1204	Distr_C2_TR2	191	Z	FD glo	-5.000				
1205	Distr_C2_TR2	79	Z	FD glo	-5.000				
1206	Distr_C2_TR2	192	Z	FD glo	-5.000				
1207	Distr_C2_TR2	80	Z	FD glo	-5.000				
1208	Distr_C2_TR2	193	Z	FD glo	-5.000				
1209	Distr_C2_TR3	136	Z	FD glo	-2.500				
1210	Distr_C2_TR3	139	Z	FD glo	-2.500				
1211	Distr_C2_TR3	140	Z	FD glo	-2.500				
1212	Distr_C2_TR3	141	Z	FD glo	-2.500				
1213	Distr_C2_TR3	144	Z	FD glo	-2.500				
1214	Distr_C2_TR3	145	Z	FD glo	-2.500				
1215	Distr_C2_TR3	146	Z	FD glo	-2.500				
1216	Distr_C2_TR3	149	Z	FD glo	-2.500				
1217	Distr_C2_TR3	150	Z	FD glo	-2.500				
1218	Distr_C2_TR3	151	Z	FD glo	-2.500				
1219	Distr_C2_TR3	154	Z	FD glo	-2.500				
1220	Distr_C2_TR3	155	Z	FD glo	-2.500				
1221	Distr_C2_TR3	156	Z	FD glo	-2.500				
1222	Distr_C2_TR3	157	Z	FD glo	-2.500				
1223	Distr_C2_TR3	158	Z	FD glo	-2.500				
1224	Distr_C2_TR3	159	Z	FD glo	-2.500				
1225	Distr_C2_TR3	160	Z	FD glo	-2.500				
1226	Distr_C2_TR3	161	Z	FD glo	-2.500				
1227	Distr_C2_TR3	162	Z	FD glo	-2.500				
1228	Distr_C2_TR3	163	Z	FD glo	-2.500				
1229	Distr_C2_TR3	164	Z	FD glo	-2.500				
1230	Distr_C2_TR3	165	Z	FD glo	-2.500				
1231	Distr_C2_TR3	166	Z	FD glo	-2.500				
1232	Distr_C2_TR3	167	Z	FD glo	-2.500				
1233	Distr_C2_TR3	168	Z	FD glo	-2.500				
1234	Distr_C2_TR3	169	Z	FD glo	-2.500				
1235	Distr_C2_TR3	137	Z	FD glo	-2.500				
1236	Distr_C2_TR3	174	Z	FD glo	-2.500				
1237	Distr_C2_TR3	138	Z	FD glo	-2.500				
1238	Distr_C2_TR3	175	Z	FD glo	-2.500				
1239	Distr_C2_TR3	142	Z	FD glo	-2.500				
1240	Distr_C2_TR3	176	Z	FD glo	-2.500				
1241	Distr_C2_TR3	143	Z	FD glo	-2.500				
1242	Distr_C2_TR3	177	Z	FD glo	-2.500				
1243	Distr_C2_TR3	147	Z	FD glo	-2.500				
1244	Distr_C2_TR3	184	Z	FD glo	-2.500				
1245	Distr_C2_TR3	148	Z	FD glo	-2.500				
1246	Distr_C2_TR3	185	Z	FD glo	-2.500				
1247	Distr_C2_TR3	152	Z	FD glo	-2.500				
1248	Distr_C2_TR3	188	Z	FD glo	-2.500				
1249	Distr_C2_TR3	153	Z	FD glo	-2.500				
1250	Distr_C2_TR3	189	Z	FD glo	-2.500				
1251	Distr_C2_TR3	136	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1252	Distr_C2_TR3	139	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1253	Distr_C2_TR3	140	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1254	Distr_C2_TR3	141	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1255	Distr_C2_TR3	144	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1256	Distr_C2_TR3	145	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1257	Distr_C2_TR3	146	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1258	Distr_C2_TR3	149	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1259	Distr_C2_TR3	150	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1260	Distr_C2_TR3	151	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1261	Distr_C2_TR3	154	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1262	Distr_C2_TR3	155	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1263	Distr_C2_TR3	156	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1264	Distr_C2_TR3	157	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1265	Distr_C2_TR3	158	Rx	CD loc	-125.0	-	125.0	0.000	0.000
1266	Distr_C2_TR3	159	Rx	CD loc	-125.0	-	125.0	0.000	0.000

Allegato A

Allegato A: strutture analizzate

```
  1267 Distr_C2_TR3          160  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1268 Distr_C2_TR3          161  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1269 Distr_C2_TR3          162  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1270 Distr_C2_TR3          163  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1271 Distr_C2_TR3          164  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1272 Distr_C2_TR3          165  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1273 Distr_C2_TR3          166  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1274 Distr_C2_TR3          167  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1275 Distr_C2_TR3          168  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1276 Distr_C2_TR3          169  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1277 Distr_C2_TR3          137  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1278 Distr_C2_TR3          174  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1279 Distr_C2_TR3          138  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1280 Distr_C2_TR3          175  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1281 Distr_C2_TR3          142  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1282 Distr_C2_TR3          176  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1283 Distr_C2_TR3          143  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1284 Distr_C2_TR3          177  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1285 Distr_C2_TR3          147  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1286 Distr_C2_TR3          184  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1287 Distr_C2_TR3          148  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1288 Distr_C2_TR3          185  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1289 Distr_C2_TR3          152  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1290 Distr_C2_TR3          188  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1291 Distr_C2_TR3          153  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1292 Distr_C2_TR3          189  Rx  CD loc    -125.0   -
125.0      0.000      0.000
  1293 AR_TR1                102  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1294 AR_TR1                105  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1295 AR_TR1                106  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1296 AR_TR1                107  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1297 AR_TR1                110  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1298 AR_TR1                111  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1299 AR_TR1                112  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1300 AR_TR1                115  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1301 AR_TR1                116  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1302 AR_TR1                117  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1303 AR_TR1                120  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1304 AR_TR1                121  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1305 AR_TR1                122  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1306 AR_TR1                123  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1307 AR_TR1                124  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1308 AR_TR1                125  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1309 AR_TR1                126  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1310 AR_TR1                127  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1311 AR_TR1                128  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1312 AR_TR1                129  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1313 AR_TR1                130  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1314 AR_TR1                131  Rx  CD loc    -285.0   -
285.0      0.000      0.000
  1315 AR_TR1                132  Rx  CD loc    -285.0   -
285.0      0.000      0.000

  1316 AR_TR1                133  Rx  CD loc    -285.0
285.0      0.000      0.000
  1317 AR_TR1                134  Rx  CD loc    -285.0
285.0      0.000      0.000
  1318 AR_TR1                135  Rx  CD loc    -285.0
285.0      0.000      0.000
  1319 AR_TR1                103  Rx  CD loc    -285.0
285.0      0.000      0.000
  1320 AR_TR1                170  Rx  CD loc    -285.0
285.0      0.000      0.000
  1321 AR_TR1                104  Rx  CD loc    -285.0
285.0      0.000      0.000
  1322 AR_TR1                171  Rx  CD loc    -285.0
285.0      0.000      0.000
  1323 AR_TR1                108  Rx  CD loc    -285.0
285.0      0.000      0.000
  1324 AR_TR1                180  Rx  CD loc    -285.0
285.0      0.000      0.000
  1325 AR_TR1                109  Rx  CD loc    -285.0
285.0      0.000      0.000
  1326 AR_TR1                181  Rx  CD loc    -285.0
285.0      0.000      0.000
  1327 AR_TR1                113  Rx  CD loc    -285.0
285.0      0.000      0.000
  1328 AR_TR1                182  Rx  CD loc    -285.0
285.0      0.000      0.000
  1329 AR_TR1                114  Rx  CD loc    -285.0
285.0      0.000      0.000
  1330 AR_TR1                183  Rx  CD loc    -285.0
285.0      0.000      0.000
  1331 AR_TR1                118  Rx  CD loc    -285.0
285.0      0.000      0.000
  1332 AR_TR1                186  Rx  CD loc    -285.0
285.0      0.000      0.000
  1333 AR_TR1                119  Rx  CD loc    -285.0
285.0      0.000      0.000
  1334 AR_TR1                187  Rx  CD loc    -285.0
285.0      0.000      0.000
  1335 AR_TR1                102  Z   FD glo    -1.250
  1336 AR_TR1                105  Z   FD glo    -1.250
  1337 AR_TR1                106  Z   FD glo    -1.250
  1338 AR_TR1                107  Z   FD glo    -1.250
  1339 AR_TR1                110  Z   FD glo    -1.250
  1340 AR_TR1                111  Z   FD glo    -1.250
  1341 AR_TR1                112  Z   FD glo    -1.250
  1342 AR_TR1                115  Z   FD glo    -1.250
  1343 AR_TR1                116  Z   FD glo    -1.250
  1344 AR_TR1                117  Z   FD glo    -1.250
  1345 AR_TR1                120  Z   FD glo    -1.250
  1346 AR_TR1                121  Z   FD glo    -1.250
  1347 AR_TR1                122  Z   FD glo    -1.250
  1348 AR_TR1                123  Z   FD glo    -1.250
  1349 AR_TR1                124  Z   FD glo    -1.250
  1350 AR_TR1                125  Z   FD glo    -1.250
  1351 AR_TR1                126  Z   FD glo    -1.250
  1352 AR_TR1                127  Z   FD glo    -1.250
  1353 AR_TR1                128  Z   FD glo    -1.250
  1354 AR_TR1                129  Z   FD glo    -1.250
  1355 AR_TR1                130  Z   FD glo    -1.250
  1356 AR_TR1                131  Z   FD glo    -1.250
  1357 AR_TR1                132  Z   FD glo    -1.250
  1358 AR_TR1                133  Z   FD glo    -1.250
  1359 AR_TR1                134  Z   FD glo    -1.250
  1360 AR_TR1                135  Z   FD glo    -1.250
  1361 AR_TR1                103  Z   FD glo    -1.250
  1362 AR_TR1                170  Z   FD glo    -1.250
  1363 AR_TR1                104  Z   FD glo    -1.250
  1364 AR_TR1                171  Z   FD glo    -1.250
  1365 AR_TR1                108  Z   FD glo    -1.250
  1366 AR_TR1                180  Z   FD glo    -1.250
  1367 AR_TR1                109  Z   FD glo    -1.250
  1368 AR_TR1                181  Z   FD glo    -1.250
  1369 AR_TR1                113  Z   FD glo    -1.250
  1370 AR_TR1                182  Z   FD glo    -1.250
  1371 AR_TR1                114  Z   FD glo    -1.250
  1372 AR_TR1                183  Z   FD glo    -1.250
  1373 AR_TR1                118  Z   FD glo    -1.250
  1374 AR_TR1                186  Z   FD glo    -1.250
  1375 AR_TR1                119  Z   FD glo    -1.250
  1376 AR_TR1                187  Z   FD glo    -1.250
  1377 AR_TR3                136  Z   FD glo    -4.380
  1378 AR_TR3                139  Z   FD glo    -4.380
  1379 AR_TR3                140  Z   FD glo    -4.380
  1380 AR_TR3                141  Z   FD glo    -4.380
  1381 AR_TR3                144  Z   FD glo    -4.380
  1382 AR_TR3                145  Z   FD glo    -4.380
  1383 AR_TR3                146  Z   FD glo    -4.380
  1384 AR_TR3                149  Z   FD glo    -4.380
  1385 AR_TR3                150  Z   FD glo    -4.380
  1386 AR_TR3                151  Z   FD glo    -4.380
  1387 AR_TR3                154  Z   FD glo    -4.380
  1388 AR_TR3                155  Z   FD glo    -4.380
  1389 AR_TR3                156  Z   FD glo    -4.380
  1390 AR_TR3                157  Z   FD glo    -4.380
  1391 AR_TR3                158  Z   FD glo    -4.380
  1392 AR_TR3                159  Z   FD glo    -4.380
  1393 AR_TR3                160  Z   FD glo    -4.380
  1394 AR_TR3                161  Z   FD glo    -4.380
  1395 AR_TR3                162  Z   FD glo    -4.380
```

Allegato A: strutture analizzate

```
  1396 AR_TR3                    163  Z   FD glo      -4.380
  1397 AR_TR3                    164  Z   FD glo      -4.380
  1398 AR_TR3                    165  Z   FD glo      -4.380
  1399 AR_TR3                    166  Z   FD glo      -4.380
  1400 AR_TR3                    167  Z   FD glo      -4.380
  1401 AR_TR3                    168  Z   FD glo      -4.380
  1402 AR_TR3                    169  Z   FD glo      -4.380
  1403 AR_TR3                    137  Z   FD glo      -4.380
  1404 AR_TR3                    174  Z   FD glo      -4.380
  1405 AR_TR3                    138  Z   FD glo      -4.380
  1406 AR_TR3                    175  Z   FD glo      -4.380
  1407 AR_TR3                    142  Z   FD glo      -4.380
  1408 AR_TR3                    176  Z   FD glo      -4.380
  1409 AR_TR3                    143  Z   FD glo      -4.380
  1410 AR_TR3                    177  Z   FD glo      -4.380
  1411 AR_TR3                    147  Z   FD glo      -4.380
  1412 AR_TR3                    184  Z   FD glo      -4.380
  1413 AR_TR3                    148  Z   FD glo      -4.380
  1414 AR_TR3                    185  Z   FD glo      -4.380
  1415 AR_TR3                    152  Z   FD glo      -4.380
  1416 AR_TR3                    188  Z   FD glo      -4.380
  1417 AR_TR3                    153  Z   FD glo      -4.380
  1418 AR_TR3                    189  Z   FD glo      -4.380
  1419 AR_TR3                    136  Rx  CD loc       386.0
386.0      0.000      0.000
  1420 AR_TR3                    139  Rx  CD loc       386.0
386.0      0.000      0.000
  1421 AR_TR3                    140  Rx  CD loc       386.0
386.0      0.000      0.000
  1422 AR_TR3                    141  Rx  CD loc       386.0
386.0      0.000      0.000
  1423 AR_TR3                    144  Rx  CD loc       386.0
386.0      0.000      0.000
  1424 AR_TR3                    145  Rx  CD loc       386.0
386.0      0.000      0.000
  1425 AR_TR3                    146  Rx  CD loc       386.0
386.0      0.000      0.000
  1426 AR_TR3                    149  Rx  CD loc       386.0
386.0      0.000      0.000
  1427 AR_TR3                    150  Rx  CD loc       386.0
386.0      0.000      0.000
  1428 AR_TR3                    151  Rx  CD loc       386.0
386.0      0.000      0.000
  1429 AR_TR3                    154  Rx  CD loc       386.0
386.0      0.000      0.000
  1430 AR_TR3                    155  Rx  CD loc       386.0
386.0      0.000      0.000
  1431 AR_TR3                    156  Rx  CD loc       386.0
386.0      0.000      0.000
  1432 AR_TR3                    157  Rx  CD loc       386.0
386.0      0.000      0.000
  1433 AR_TR3                    158  Rx  CD loc       386.0
386.0      0.000      0.000
  1434 AR_TR3                    159  Rx  CD loc       386.0
386.0      0.000      0.000
  1435 AR_TR3                    160  Rx  CD loc       386.0
386.0      0.000      0.000
  1436 AR_TR3                    161  Rx  CD loc       386.0
386.0      0.000      0.000
  1437 AR_TR3                    162  Rx  CD loc       386.0
386.0      0.000      0.000
  1438 AR_TR3                    163  Rx  CD loc       386.0
386.0      0.000      0.000
  1439 AR_TR3                    164  Rx  CD loc       386.0
386.0      0.000      0.000
  1440 AR_TR3                    165  Rx  CD loc       386.0
386.0      0.000      0.000
  1441 AR_TR3                    166  Rx  CD loc       386.0
386.0      0.000      0.000
  1442 AR_TR3                    167  Rx  CD loc       386.0
386.0      0.000      0.000
  1443 AR_TR3                    168  Rx  CD loc       386.0
386.0      0.000      0.000
  1444 AR_TR3                    169  Rx  CD loc       386.0
386.0      0.000      0.000
  1445 AR_TR3                    137  Rx  CD loc       386.0
386.0      0.000      0.000
  1446 AR_TR3                    174  Rx  CD loc       386.0
386.0      0.000      0.000
  1447 AR_TR3                    138  Rx  CD loc       386.0
386.0      0.000      0.000
  1448 AR_TR3                    175  Rx  CD loc       386.0
386.0      0.000      0.000
  1449 AR_TR3                    142  Rx  CD loc       386.0
386.0      0.000      0.000
  1450 AR_TR3                    176  Rx  CD loc       386.0
386.0      0.000      0.000
  1451 AR_TR3                    143  Rx  CD loc       386.0
386.0      0.000      0.000
  1452 AR_TR3                    177  Rx  CD loc       386.0
386.0      0.000      0.000
  1453 AR_TR3                    147  Rx  CD loc       386.0
386.0      0.000      0.000
  1454 AR_TR3                    184  Rx  CD loc       386.0
386.0      0.000      0.000
  1455 AR_TR3                    148  Rx  CD loc       386.0
386.0      0.000      0.000
  1456 AR_TR3                    185  Rx  CD loc       386.0
386.0      0.000      0.000
  1457 AR_TR3                    152  Rx  CD loc       386.0
386.0      0.000      0.000
  1458 AR_TR3                    188  Rx  CD loc       386.0
386.0      0.000      0.000
  1459 AR_TR3                    153  Rx  CD loc       386.0
386.0      0.000      0.000
  1460 AR_TR3                    189  Rx  CD loc       386.0
386.0      0.000      0.000

CARICHI DI LINEA   |-----------|-----------|-----------|----------
-|num.=      0
              numero coordinata                        Intensità
  Nome     inizio       fine   Cond. Direz.   inizio        fine
Descrizione

CONDIZIONI DI CARICO----------|-----------|-----------|-----------
|num.=     17
  Nome
     1   Peso_proprio_travi   N. carichi:  126
         Lista carichi: 33-158

     2  Peso_proprio_solett   N. carichi:  210
         Lista carichi: 159-368

     3         Perm_cordoli   N. carichi:  168
         Lista carichi: 369-536

     4  Perm_pavimentazione   N. carichi:  210
         Lista carichi: 537-746

     5        Perm_sicurvia   N. carichi:  168
         Lista carichi: 747-914

     6  Perm_rete_e_veletta   N. carichi:  168
         Lista carichi: 915-1082

     7             Distr_C1   N. carichi:   84
         Lista carichi: 1083-1166

     8             Distr_C2   N. carichi:  126
         Lista carichi: 1167-1292

     9  Distr_Area_rimanent   N. carichi:  168
         Lista carichi: 1293-1460

    10              Q_C1_MM   N. carichi:    4
         Lista carichi: 1-4

    11              Q_C1_MV   N. carichi:    4
         Lista carichi: 5-8

    12              Q_C1_VM   N. carichi:    4
         Lista carichi: 9-12

    13              Q_C1_VV   N. carichi:    4
         Lista carichi: 13-16

    14              Q_C2_MM   N. carichi:    4
         Lista carichi: 17-20

    15              Q_C2_MV   N. carichi:    4
         Lista carichi: 21-24

    16              Q_C2_VM   N. carichi:    4
         Lista carichi: 25-28

    17              Q_C2_VV   N. carichi:    4
         Lista carichi: 29-32

  RISULTANTI DEI CARICHI (punto di applicazione nell'origine degli
assi):
  cond.          FX             FY             FZ             MX
MY             MZ
     1  0.000000E+00  0.000000E+00 -2.007000E+05 -7.466040E+07
3.356708E+08  0.000000E+00
     2  0.000000E+00  0.000000E+00 -2.483663E+05 -1.021262E+08
4.153926E+08  0.000000E+00
     3  0.000000E+00  0.000000E+00 -4.391985E+04 -1.188599E+07
7.345595E+07  0.000000E+00
     4  0.000000E+00  0.000000E+00 -6.522750E+04 -2.933231E+07
1.090930E+08  0.000000E+00
     5  0.000000E+00  0.000000E+00 -1.003500E+04 -4.499025E+06
1.678354E+07  0.000000E+00
     6  0.000000E+00  0.000000E+00 -1.003500E+04 -4.124385E+06
1.678354E+07  0.000000E+00
     7  0.000000E+00  0.000000E+00 -2.508951E+04 -1.568094E+07
4.196220E+07  0.000000E+00
     8  0.000000E+00  0.000000E+00 -2.508750E+04 -8.078175E+06
4.195884E+07  0.000000E+00
     9  0.000000E+00  0.000000E+00 -1.883235E+04 -4.573819E+06
3.149711E+07  0.000000E+00
    10  0.000000E+00  0.000000E+00 -4.000200E+04 -2.500125E+07
6.690335E+07  0.000000E+00
    11  0.000000E+00  0.000000E+00 -4.000200E+04 -2.500125E+07
4.690235E+07  0.000000E+00
    12  0.000000E+00  0.000000E+00 -4.000200E+04 -2.500125E+07
2.690135E+07  0.000000E+00
    13  0.000000E+00  0.000000E+00 -4.000200E+04 -2.500125E+07
6.900345E+06  0.000000E+00
```

Allegato A

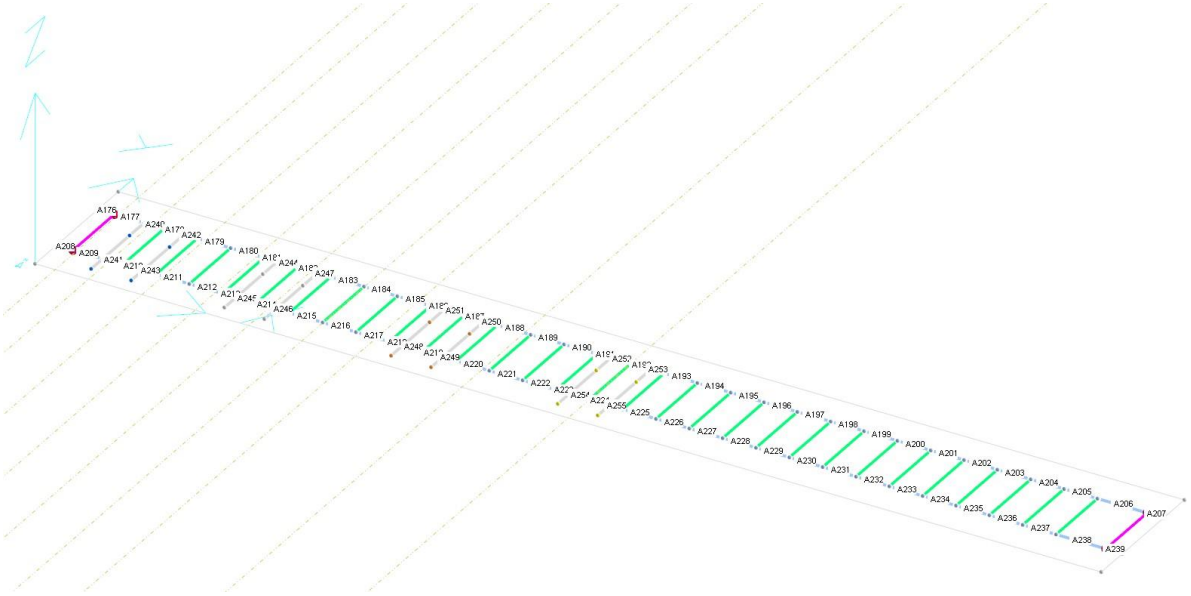
Allegato A: strutture analizzate

```
    14  0.000000E+00  0.000000E+00 -4.000000E+04 -1.300000E+07
6.690000E+07  0.000000E+00
    15  0.000000E+00  0.000000E+00 -4.000000E+04 -1.300000E+07
4.690000E+07  0.000000E+00
    16  0.000000E+00  0.000000E+00 -4.000000E+04 -1.300000E+07
2.690000E+07  0.000000E+00
    17  0.000000E+00  0.000000E+00 -4.000000E+04 -1.300000E+07
6.900000E+06  0.000000E+00
```

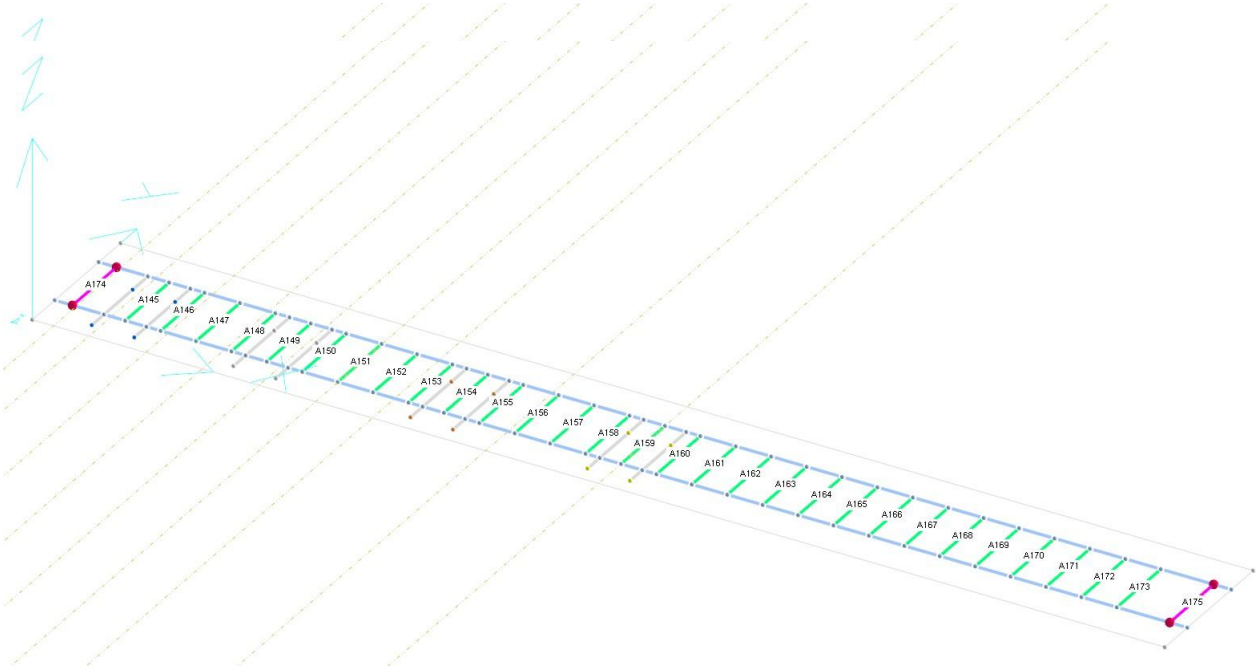
5. Allegato A - Struttura analizzata – Rampa S – Allineamenti [P10S – P11S]

5.1 MELAS5 – Modello struttura

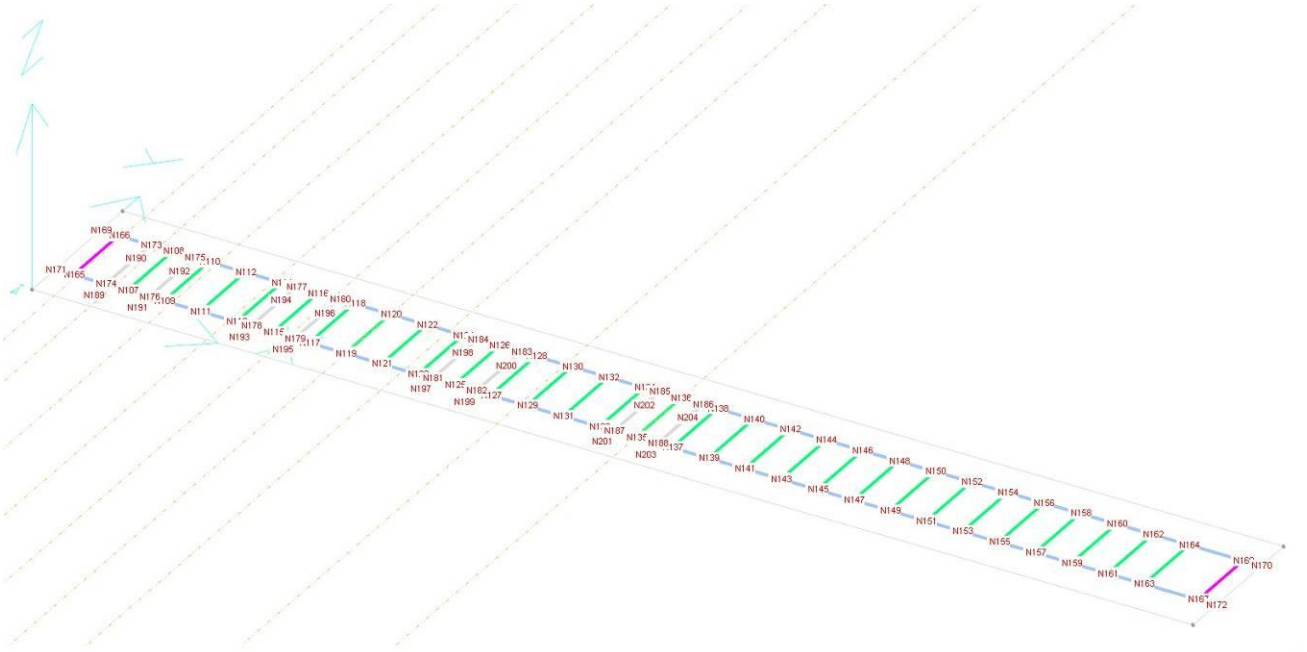
Numerazione aste e nodi:



MELAS5 – Numerazione aste travi



MELAS5– Numerazione aste soletta e traversi



MELAS5 – Numerazione nodi

*** DATI STRUTTURA

Unita` di misura :
LUNGHEZZE : cm
SUPERFICI : cm2
DATI SEZIONALI : cm
ANGOLI : gradi
FORZE : daN
MOMENTI : daNcm
CARICHI LINEARI : daN/cm
CARICHI SUPERFIC.: daN/cm2
TENSIONI : daN/cm2
PESI DI VOLUME : daN/cm3
COEFF. DI WINKLER: daN/cm3
RIGIDEZZE VINCOL.: daN/cm - daNcm/rad

NODI--|----------|----------|----------|----------|----------
|num.= 98

Nome	Coord. X	Coord. Y	Coord. Z
107	199.000	110.000	0.000
108	199.000	325.000	0.000
109	299.000	110.000	0.000
110	299.000	325.000	0.000
111	399.000	110.000	0.000
112	399.000	325.000	0.000
113	499.000	110.000	0.000
114	499.000	325.000	0.000
115	599.000	110.000	0.000
116	599.000	325.000	0.000
117	699.000	110.000	0.000
118	699.000	325.000	0.000
119	799.000	110.000	0.000
120	799.000	325.000	0.000
121	899.000	110.000	0.000
122	899.000	325.000	0.000
123	999.000	110.000	0.000
124	999.000	325.000	0.000
125	1099.000	110.000	0.000
126	1099.000	325.000	0.000
127	1199.000	110.000	0.000
128	1199.000	325.000	0.000
129	1299.000	110.000	0.000
130	1299.000	325.000	0.000
131	1399.000	110.000	0.000
132	1399.000	325.000	0.000
133	1499.000	110.000	0.000
134	1499.000	325.000	0.000
135	1599.000	110.000	0.000
136	1599.000	325.000	0.000
137	1699.000	110.000	0.000
138	1699.000	325.000	0.000
139	1799.000	110.000	0.000
140	1799.000	325.000	0.000
141	1899.000	110.000	0.000
142	1899.000	325.000	0.000
143	1999.000	110.000	0.000
144	1999.000	325.000	0.000
145	2099.000	110.000	0.000
146	2099.000	325.000	0.000
147	2199.000	110.000	0.000
148	2199.000	325.000	0.000
149	2299.000	110.000	0.000
150	2299.000	325.000	0.000
151	2399.000	110.000	0.000
152	2399.000	325.000	0.000
153	2499.000	110.000	0.000
154	2499.000	325.000	0.000
155	2599.000	110.000	0.000
156	2599.000	325.000	0.000
157	2699.000	110.000	0.000
158	2699.000	325.000	0.000
159	2799.000	110.000	0.000
160	2799.000	325.000	0.000
161	2899.000	110.000	0.000
162	2899.000	325.000	0.000
163	2999.000	110.000	0.000
164	2999.000	325.000	0.000
165	50.000	110.000	0.000
166	50.000	325.000	0.000
167	3148.000	110.000	0.000
168	3148.000	325.000	0.000
169	0.000	325.000	0.000
170	3198.000	325.000	0.000
171	0.000	110.000	0.000
172	3198.000	110.000	0.000
173	139.000	325.000	0.000
174	139.000	110.000	0.000
175	259.000	325.000	0.000
176	259.000	110.000	0.000
177	539.000	325.000	0.000
178	539.000	110.000	0.000
179	659.000	110.000	0.000
180	659.000	325.000	0.000
181	1039.000	110.000	0.000
182	1159.000	110.000	0.000
183	1159.000	325.000	0.000
184	1039.000	325.000	0.000

Allegato A

Allegato A: strutture analizzate

185	1539.000	325.000	0.000
186	1659.000	325.000	0.000
187	1539.000	110.000	0.000
188	1659.000	110.000	0.000
189	139.000	50.000	0.000
190	139.000	250.000	0.000
191	259.000	50.000	0.000
192	259.000	250.000	0.000
193	539.000	50.000	0.000
194	539.000	250.000	0.000
195	659.000	50.000	0.000
196	659.000	250.000	0.000
197	1039.000	50.000	0.000
198	1039.000	250.000	0.000
199	1159.000	50.000	0.000
200	1159.000	250.000	0.000
201	1539.000	50.000	0.000
202	1539.000	250.000	0.000
203	1659.000	50.000	0.000
204	1659.000	250.000	0.000

ASTE--|----------|----------|----------|----------
|num.= 135

Nome fin.	Proprieta`	Nodo iniz.	Nodo fin.	Rilasci in.	Rilasci fin.	Orient.
145	2	107	108	0.0	0.0	0.0
146	2	109	110	0.0	0.0	0.0
147	2	111	112	0.0	0.0	0.0
148	2	113	114	0.0	0.0	0.0
149	2	115	116	0.0	0.0	0.0
150	2	117	118	0.0	0.0	0.0
151	2	119	120	0.0	0.0	0.0
152	2	121	122	0.0	0.0	0.0
153	2	123	124	0.0	0.0	0.0
154	2	125	126	0.0	0.0	0.0
155	2	127	128	0.0	0.0	0.0
156	2	129	130	0.0	0.0	0.0
157	2	131	132	0.0	0.0	0.0
158	2	133	134	0.0	0.0	0.0
159	2	135	136	0.0	0.0	0.0
160	2	137	138	0.0	0.0	0.0
161	2	139	140	0.0	0.0	0.0
162	2	141	142	0.0	0.0	0.0
163	2	143	144	0.0	0.0	0.0
164	2	145	146	0.0	0.0	0.0
165	2	147	148	0.0	0.0	0.0
166	2	149	150	0.0	0.0	0.0
167	2	151	152	0.0	0.0	0.0
168	2	153	154	0.0	0.0	0.0
169	2	155	156	0.0	0.0	0.0
170	2	157	158	0.0	0.0	0.0
171	2	159	160	0.0	0.0	0.0
172	2	161	162	0.0	0.0	0.0
173	2	163	164	0.0	0.0	0.0
174	7	165	166	0.0	0.0	0.0
175	7	167	168	0.0	0.0	0.0
176	3	169	166	0.0	0.0	0.0
177	3	166	173	0.0	0.0	0.0
178	3	108	175	0.0	0.0	0.0
179	3	110	112	0.0	0.0	0.0
180	3	112	114	0.0	0.0	0.0
181	3	114	177	0.0	0.0	0.0
182	3	116	180	0.0	0.0	0.0
183	3	118	120	0.0	0.0	0.0
184	3	120	122	0.0	0.0	0.0
185	3	122	124	0.0	0.0	0.0
186	3	124	184	0.0	0.0	0.0
187	3	126	183	0.0	0.0	0.0
188	3	128	130	0.0	0.0	0.0
189	3	130	132	0.0	0.0	0.0
190	3	132	134	0.0	0.0	0.0
191	3	134	185	0.0	0.0	0.0
192	3	136	186	0.0	0.0	0.0
193	3	138	140	0.0	0.0	0.0
194	3	140	142	0.0	0.0	0.0
195	3	142	144	0.0	0.0	0.0
196	3	144	146	0.0	0.0	0.0
197	3	146	148	0.0	0.0	0.0
198	3	148	150	0.0	0.0	0.0
199	3	150	152	0.0	0.0	0.0
200	3	152	154	0.0	0.0	0.0
201	3	154	156	0.0	0.0	0.0
202	3	156	158	0.0	0.0	0.0
203	3	158	160	0.0	0.0	0.0
204	3	160	162	0.0	0.0	0.0
205	3	162	164	0.0	0.0	0.0
206	3	164	168	0.0	0.0	0.0
207	3	168	170	0.0	0.0	0.0
208	3	171	165	0.0	0.0	0.0
209	3	165	174	0.0	0.0	0.0
210	3	107	176	0.0	0.0	0.0
211	3	109	111	0.0	0.0	0.0
212	3	111	113	0.0	0.0	0.0
213	3	113	178	0.0	0.0	0.0
214	3	115	179	0.0	0.0	0.0
215	3	117	119	0.0	0.0	0.0
216	3	119	121	0.0	0.0	0.0
217	3	121	123	0.0	0.0	0.0
218	3	123	181	0.0	0.0	0.0
219	3	125	182	0.0	0.0	0.0
220	3	127	129	0.0	0.0	0.0
221	3	129	131	0.0	0.0	0.0
222	3	131	133	0.0	0.0	0.0
223	3	133	187	0.0	0.0	0.0
224	3	135	188	0.0	0.0	0.0
225	3	137	139	0.0	0.0	0.0
226	3	139	141	0.0	0.0	0.0
227	3	141	143	0.0	0.0	0.0
228	3	143	145	0.0	0.0	0.0
229	3	145	147	0.0	0.0	0.0
230	3	147	149	0.0	0.0	0.0

Allegato A: strutture analizzate

231	3	149	151			0.0
232	3	151	153			0.0
233	3	153	155			0.0
234	3	155	157			0.0
235	3	157	159			0.0
236	3	159	161			0.0
237	3	161	163			0.0
238	3	163	167			0.0
239	3	167	172			0.0
240	3	173	108			0.0
241	3	174	107			0.0
242	3	175	110			0.0
243	3	176	109			0.0
244	3	177	116			0.0
245	3	178	115			0.0
246	3	179	117			0.0
247	3	180	118			0.0
248	3	181	125			0.0
249	3	182	127			0.0
250	3	183	128			0.0
251	3	184	126			0.0
252	3	185	136			0.0
253	3	186	138			0.0
254	3	187	135			0.0
255	3	188	137			0.0
256	8	189	174			0.0
257	8	174	190	RyRz		0.0
258	8	190	173		RxRyRz	0.0
259	8	191	176			0.0
260	8	176	192	RyRz		0.0
261	8	192	175		RxRyRz	0.0
262	8	193	178			0.0
263	8	178	194	RyRz		0.0
264	8	194	177		RxRyRz	0.0
265	8	195	179			0.0
266	8	179	196	RyRz		0.0
267	8	196	180		RxRyRz	0.0
268	8	197	181			0.0
269	8	181	198	RyRz		0.0
270	8	198	184		RxRyRz	0.0
271	8	199	182			0.0
272	8	182	200	RyRz		0.0
273	8	200	183		RxRyRz	0.0
274	8	201	187			0.0
275	8	187	202	RyRz		0.0
276	8	202	185		RxRyRz	0.0
277	8	203	188			0.0
278	8	188	204	RyRz		0.0
279	8	204	186		RxRyRz	0.0

```
PROPRIETA` ASTE---|-----------|-----------|-----------|-----------
|num.=      4
  Nome   Materiale         Base      Altezza        Area Area tag. Y
Area tag.  Z
                      Kw vertic.   Kw orizz.      J tors. J fless. Y
J fless.  Z
     2           4       100.00        25.00 2.50000E+03 2.08333E+03
2.08333E+03
                       0.000000     0.000000 4.38826E+05 2.08333E+06
1.30208E+05
     3           1       214.00       190.00 1.37591E+04 1.37591E+04
1.37591E+04
                       0.000000     0.000000 5.21626E+07 4.84079E+07
7.03037E+07
     7           4       150.00       169.00 1.09501E+04 1.09501E+04
1.09501E+04
                       0.000000     0.000000 6.00331E+06 8.53123E+06
3.02435E+07
     8           1        50.00        50.00 2.50000E+03 2.08333E+03
2.08333E+03
                       0.000000     0.000000 8.80195E+05 5.20833E+05
5.20833E+05

MATERIALI---------|-----------|-----------|-----------|-----------
|num.=      2
  Nome Mod. elast.   Coeff. nu  Mod. tang.  Peso spec.    Dil. te.
     1 3.64160E+05 1.50000E-01 1.30000E+05 2.50000E-03  1.00000E-
05
     4 3.46250E+05 1.50000E-01 1.30000E+05 2.50000E-03  1.00000E-
05

VINCOLI-----------|-----------|-----------|-----------|-----------
|num.=      4
  Nodo     Rigid. X    Rigid. Y    Rigid. Z   Rigid. RX   Rigid. RY
Rigid. RZ
   165     bloccato    bloccato    bloccato      libero      libero
libero
   166     bloccato    bloccato    bloccato      libero      libero
libero
   167     bloccato    bloccato    bloccato      libero      libero
libero
   168     bloccato    bloccato    bloccato      libero      libero
libero

CARICHI NODI------|-----------|-----------|-----------|-----------
|num.=     16
  Nome                        Nodo   Direzione  Intensita`
     1 Q_C1_gomma              203           Z   -10000.5
     2 Q_C1_gomma              204           Z   -10000.5
     3 Q_C1_gomma              201           Z   -10000.5
     4 Q_C1_gomma              202           Z   -10000.5
     5 Q_C1_gomma              199           Z   -10000.5
     6 Q_C1_gomma              200           Z   -10000.5
     7 Q_C1_gomma              197           Z   -10000.5
     8 Q_C1_gomma              198           Z   -10000.5
     9 Q_C1_gomma              195           Z   -10000.5
    10 Q_C1_gomma              196           Z   -10000.5
    11 Q_C1_gomma              193           Z   -10000.5
    12 Q_C1_gomma              194           Z   -10000.5
    13 Q_C1_gomma              191           Z   -10000.5
    14 Q_C1_gomma              192           Z   -10000.5
    15 Q_C1_gomma              189           Z   -10000.5
    16 Q_C1_gomma              190           Z   -10000.5

CARICHI ASTE------|-----------|-----------|-----------|-----------
|num.=    720
  Nome                        Asta Dir Tip RIF Parametro 1
Parametro 2 Parametro 3 Parametro  4
    17 Pp_CIR_214_160-14       176  Z   FD glo     -20.750
    18 Pp_CIR_214_160-14       179  Z   FD glo     -20.750
    19 Pp_CIR_214_160-14       180  Z   FD glo     -20.750
    20 Pp_CIR_214_160-14       183  Z   FD glo     -20.750
    21 Pp_CIR_214_160-14       184  Z   FD glo     -20.750
    22 Pp_CIR_214_160-14       185  Z   FD glo     -20.750
    23 Pp_CIR_214_160-14       188  Z   FD glo     -20.750
    24 Pp_CIR_214_160-14       189  Z   FD glo     -20.750
    25 Pp_CIR_214_160-14       190  Z   FD glo     -20.750
    26 Pp_CIR_214_160-14       193  Z   FD glo     -20.750
    27 Pp_CIR_214_160-14       194  Z   FD glo     -20.750
    28 Pp_CIR_214_160-14       195  Z   FD glo     -20.750
    29 Pp_CIR_214_160-14       196  Z   FD glo     -20.750
    30 Pp_CIR_214_160-14       197  Z   FD glo     -20.750
    31 Pp_CIR_214_160-14       198  Z   FD glo     -20.750
    32 Pp_CIR_214_160-14       199  Z   FD glo     -20.750
    33 Pp_CIR_214_160-14       200  Z   FD glo     -20.750
    34 Pp_CIR_214_160-14       201  Z   FD glo     -20.750
    35 Pp_CIR_214_160-14       202  Z   FD glo     -20.750
    36 Pp_CIR_214_160-14       203  Z   FD glo     -20.750
    37 Pp_CIR_214_160-14       204  Z   FD glo     -20.750
    38 Pp_CIR_214_160-14       205  Z   FD glo     -20.750
    39 Pp_CIR_214_160-14       206  Z   FD glo     -20.750
    40 Pp_CIR_214_160-14       207  Z   FD glo     -20.750
    41 Pp_CIR_214_160-14       177  Z   FD glo     -20.750
    42 Pp_CIR_214_160-14       240  Z   FD glo     -20.750
    43 Pp_CIR_214_160-14       178  Z   FD glo     -20.750
    44 Pp_CIR_214_160-14       242  Z   FD glo     -20.750
    45 Pp_CIR_214_160-14       181  Z   FD glo     -20.750
    46 Pp_CIR_214_160-14       244  Z   FD glo     -20.750
    47 Pp_CIR_214_160-14       182  Z   FD glo     -20.750
```

Allegato A

Allegato A: strutture analizzate

48	Pp_CIR_214_160-14	247	Z	FD glo	-20.750
49	Pp_CIR_214_160-14	187	Z	FD glo	-20.750
50	Pp_CIR_214_160-14	250	Z	FD glo	-20.750
51	Pp_CIR_214_160-14	186	Z	FD glo	-20.750
52	Pp_CIR_214_160-14	251	Z	FD glo	-20.750
53	Pp_CIR_214_160-14	191	Z	FD glo	-20.750
54	Pp_CIR_214_160-14	252	Z	FD glo	-20.750
55	Pp_CIR_214_160-14	192	Z	FD glo	-20.750
56	Pp_CIR_214_160-14	253	Z	FD glo	-20.750
57	Pp_CIR_214_160-14	208	Z	FD glo	-20.750
58	Pp_CIR_214_160-14	211	Z	FD glo	-20.750
59	Pp_CIR_214_160-14	212	Z	FD glo	-20.750
60	Pp_CIR_214_160-14	215	Z	FD glo	-20.750
61	Pp_CIR_214_160-14	216	Z	FD glo	-20.750
62	Pp_CIR_214_160-14	217	Z	FD glo	-20.750
63	Pp_CIR_214_160-14	220	Z	FD glo	-20.750
64	Pp_CIR_214_160-14	221	Z	FD glo	-20.750
65	Pp_CIR_214_160-14	222	Z	FD glo	-20.750
66	Pp_CIR_214_160-14	225	Z	FD glo	-20.750
67	Pp_CIR_214_160-14	226	Z	FD glo	-20.750
68	Pp_CIR_214_160-14	227	Z	FD glo	-20.750
69	Pp_CIR_214_160-14	228	Z	FD glo	-20.750
70	Pp_CIR_214_160-14	229	Z	FD glo	-20.750
71	Pp_CIR_214_160-14	230	Z	FD glo	-20.750
72	Pp_CIR_214_160-14	231	Z	FD glo	-20.750
73	Pp_CIR_214_160-14	232	Z	FD glo	-20.750
74	Pp_CIR_214_160-14	233	Z	FD glo	-20.750
75	Pp_CIR_214_160-14	234	Z	FD glo	-20.750
76	Pp_CIR_214_160-14	235	Z	FD glo	-20.750
77	Pp_CIR_214_160-14	236	Z	FD glo	-20.750
78	Pp_CIR_214_160-14	237	Z	FD glo	-20.750
79	Pp_CIR_214_160-14	238	Z	FD glo	-20.750
80	Pp_CIR_214_160-14	239	Z	FD glo	-20.750
81	Pp_CIR_214_160-14	209	Z	FD glo	-20.750
82	Pp_CIR_214_160-14	241	Z	FD glo	-20.750
83	Pp_CIR_214_160-14	210	Z	FD glo	-20.750
84	Pp_CIR_214_160-14	243	Z	FD glo	-20.750
85	Pp_CIR_214_160-14	213	Z	FD glo	-20.750
86	Pp_CIR_214_160-14	245	Z	FD glo	-20.750
87	Pp_CIR_214_160-14	214	Z	FD glo	-20.750
88	Pp_CIR_214_160-14	246	Z	FD glo	-20.750
89	Pp_CIR_214_160-14	218	Z	FD glo	-20.750
90	Pp_CIR_214_160-14	248	Z	FD glo	-20.750
91	Pp_CIR_214_160-14	219	Z	FD glo	-20.750
92	Pp_CIR_214_160-14	249	Z	FD glo	-20.750
93	Pp_CIR_214_160-14	223	Z	FD glo	-20.750
94	Pp_CIR_214_160-14	254	Z	FD glo	-20.750
95	Pp_CIR_214_160-14	224	Z	FD glo	-20.750
96	Pp_CIR_214_160-14	255	Z	FD glo	-20.750
97	Soletta_TR1	208	Z	FD glo	-19.440
98	Soletta_TR1	211	Z	FD glo	-19.440
99	Soletta_TR1	212	Z	FD glo	-19.440
100	Soletta_TR1	215	Z	FD glo	-19.440
101	Soletta_TR1	216	Z	FD glo	-19.440
102	Soletta_TR1	217	Z	FD glo	-19.440
103	Soletta_TR1	220	Z	FD glo	-19.440
104	Soletta_TR1	221	Z	FD glo	-19.440
105	Soletta_TR1	222	Z	FD glo	-19.440
106	Soletta_TR1	225	Z	FD glo	-19.440
107	Soletta_TR1	226	Z	FD glo	-19.440
108	Soletta_TR1	227	Z	FD glo	-19.440
109	Soletta_TR1	228	Z	FD glo	-19.440
110	Soletta_TR1	229	Z	FD glo	-19.440
111	Soletta_TR1	230	Z	FD glo	-19.440
112	Soletta_TR1	231	Z	FD glo	-19.440
113	Soletta_TR1	232	Z	FD glo	-19.440
114	Soletta_TR1	233	Z	FD glo	-19.440
115	Soletta_TR1	234	Z	FD glo	-19.440
116	Soletta_TR1	235	Z	FD glo	-19.440
117	Soletta_TR1	236	Z	FD glo	-19.440
118	Soletta_TR1	237	Z	FD glo	-19.440
119	Soletta_TR1	238	Z	FD glo	-19.440
120	Soletta_TR1	239	Z	FD glo	-19.440
121	Soletta_TR1	209	Z	FD glo	-19.440
122	Soletta_TR1	241	Z	FD glo	-19.440
123	Soletta_TR1	210	Z	FD glo	-19.440
124	Soletta_TR1	243	Z	FD glo	-19.440
125	Soletta_TR1	213	Z	FD glo	-19.440
126	Soletta_TR1	245	Z	FD glo	-19.440
127	Soletta_TR1	214	Z	FD glo	-19.440
128	Soletta_TR1	246	Z	FD glo	-19.440
129	Soletta_TR1	218	Z	FD glo	-19.440
130	Soletta_TR1	248	Z	FD glo	-19.440
131	Soletta_TR1	219	Z	FD glo	-19.440
132	Soletta_TR1	249	Z	FD glo	-19.440
133	Soletta_TR1	223	Z	FD glo	-19.440
134	Soletta_TR1	254	Z	FD glo	-19.440
135	Soletta_TR1	224	Z	FD glo	-19.440
136	Soletta_TR1	255	Z	FD glo	-19.440
137	Soletta_TR2	176	Z	FD glo	-19.440
138	Soletta_TR2	179	Z	FD glo	-19.440
139	Soletta_TR2	180	Z	FD glo	-19.440
140	Soletta_TR2	183	Z	FD glo	-19.440
141	Soletta_TR2	184	Z	FD glo	-19.440
142	Soletta_TR2	185	Z	FD glo	-19.440
143	Soletta_TR2	188	Z	FD glo	-19.440
144	Soletta_TR2	189	Z	FD glo	-19.440
145	Soletta_TR2	190	Z	FD glo	-19.440
146	Soletta_TR2	193	Z	FD glo	-19.440
147	Soletta_TR2	194	Z	FD glo	-19.440
148	Soletta_TR2	195	Z	FD glo	-19.440
149	Soletta_TR2	196	Z	FD glo	-19.440
150	Soletta_TR2	197	Z	FD glo	-19.440
151	Soletta_TR2	198	Z	FD glo	-19.440
152	Soletta_TR2	199	Z	FD glo	-19.440
153	Soletta_TR2	200	Z	FD glo	-19.440
154	Soletta_TR2	201	Z	FD glo	-19.440
155	Soletta_TR2	202	Z	FD glo	-19.440
156	Soletta_TR2	203	Z	FD glo	-19.440
157	Soletta_TR2	204	Z	FD glo	-19.440
158	Soletta_TR2	205	Z	FD glo	-19.440
159	Soletta_TR2	206	Z	FD glo	-19.440
160	Soletta_TR2	207	Z	FD glo	-19.440
161	Soletta_TR2	177	Z	FD glo	-19.440
162	Soletta_TR2	240	Z	FD glo	-19.440
163	Soletta_TR2	178	Z	FD glo	-19.440
164	Soletta_TR2	242	Z	FD glo	-19.440
165	Soletta_TR2	181	Z	FD glo	-19.440
166	Soletta_TR2	244	Z	FD glo	-19.440
167	Soletta_TR2	182	Z	FD glo	-19.440
168	Soletta_TR2	247	Z	FD glo	-19.440
169	Soletta_TR2	187	Z	FD glo	-19.440
170	Soletta_TR2	250	Z	FD glo	-19.440
171	Soletta_TR2	186	Z	FD glo	-19.440
172	Soletta_TR2	251	Z	FD glo	-19.440
173	Soletta_TR2	191	Z	FD glo	-19.440
174	Soletta_TR2	252	Z	FD glo	-19.440
175	Soletta_TR2	192	Z	FD glo	-19.440
176	Soletta_TR2	253	Z	FD glo	-19.440
177	Perm_cordoli_TR2	176	Z	FD glo	-9.375
178	Perm_cordoli_TR2	179	Z	FD glo	-9.375
179	Perm_cordoli_TR2	180	Z	FD glo	-9.375
180	Perm_cordoli_TR2	183	Z	FD glo	-9.375
181	Perm_cordoli_TR2	184	Z	FD glo	-9.375
182	Perm_cordoli_TR2	185	Z	FD glo	-9.375
183	Perm_cordoli_TR2	188	Z	FD glo	-9.375
184	Perm_cordoli_TR2	189	Z	FD glo	-9.375
185	Perm_cordoli_TR2	190	Z	FD glo	-9.375
186	Perm_cordoli_TR2	193	Z	FD glo	-9.375
187	Perm_cordoli_TR2	194	Z	FD glo	-9.375
188	Perm_cordoli_TR2	195	Z	FD glo	-9.375
189	Perm_cordoli_TR2	196	Z	FD glo	-9.375
190	Perm_cordoli_TR2	197	Z	FD glo	-9.375
191	Perm_cordoli_TR2	198	Z	FD glo	-9.375
192	Perm_cordoli_TR2	199	Z	FD glo	-9.375
193	Perm_cordoli_TR2	200	Z	FD glo	-9.375
194	Perm_cordoli_TR2	201	Z	FD glo	-9.375
195	Perm_cordoli_TR2	202	Z	FD glo	-9.375
196	Perm_cordoli_TR2	203	Z	FD glo	-9.375
197	Perm_cordoli_TR2	204	Z	FD glo	-9.375
198	Perm_cordoli_TR2	205	Z	FD glo	-9.375
199	Perm_cordoli_TR2	206	Z	FD glo	-9.375
200	Perm_cordoli_TR2	207	Z	FD glo	-9.375
201	Perm_cordoli_TR2	177	Z	FD glo	-9.375
202	Perm_cordoli_TR2	240	Z	FD glo	-9.375
203	Perm_cordoli_TR2	178	Z	FD glo	-9.375
204	Perm_cordoli_TR2	242	Z	FD glo	-9.375
205	Perm_cordoli_TR2	181	Z	FD glo	-9.375
206	Perm_cordoli_TR2	244	Z	FD glo	-9.375
207	Perm_cordoli_TR2	182	Z	FD glo	-9.375
208	Perm_cordoli_TR2	247	Z	FD glo	-9.375
209	Perm_cordoli_TR2	187	Z	FD glo	-9.375
210	Perm_cordoli_TR2	250	Z	FD glo	-9.375
211	Perm_cordoli_TR2	186	Z	FD glo	-9.375
212	Perm_cordoli_TR2	251	Z	FD glo	-9.375
213	Perm_cordoli_TR2	191	Z	FD glo	-9.375
214	Perm_cordoli_TR2	252	Z	FD glo	-9.375
215	Perm_cordoli_TR2	192	Z	FD glo	-9.375
216	Perm_cordoli_TR2	253	Z	FD glo	-9.375
217	Perm_cordoli_TR2	176	Rx	CD loc	-507.0
507.0	0.000	0.000			
218	Perm_cordoli_TR2	179	Rx	CD loc	-507.0
507.0	0.000	0.000			
219	Perm_cordoli_TR2	180	Rx	CD loc	-507.0
507.0	0.000	0.000			
220	Perm_cordoli_TR2	183	Rx	CD loc	-507.0
507.0	0.000	0.000			
221	Perm_cordoli_TR2	184	Rx	CD loc	-507.0
507.0	0.000	0.000			
222	Perm_cordoli_TR2	185	Rx	CD loc	-507.0
507.0	0.000	0.000			
223	Perm_cordoli_TR2	188	Rx	CD loc	-507.0
507.0	0.000	0.000			
224	Perm_cordoli_TR2	189	Rx	CD loc	-507.0
507.0	0.000	0.000			
225	Perm_cordoli_TR2	190	Rx	CD loc	-507.0
507.0	0.000	0.000			
226	Perm_cordoli_TR2	193	Rx	CD loc	-507.0
507.0	0.000	0.000			
227	Perm_cordoli_TR2	194	Rx	CD loc	-507.0
507.0	0.000	0.000			
228	Perm_cordoli_TR2	195	Rx	CD loc	-507.0
507.0	0.000	0.000			
229	Perm_cordoli_TR2	196	Rx	CD loc	-507.0
507.0	0.000	0.000			
230	Perm_cordoli_TR2	197	Rx	CD loc	-507.0
507.0	0.000	0.000			

Allegato A

Allegato A: strutture analizzate

231	Perm_cordoli_TR2	198	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	304	Perm_pavim_TR2	189	Z	FD	glo	-2.730	172.0	0.000	0.000	179	Rx	CD loc 172.0
232	Perm_cordoli_TR2	199	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	305	Perm_pavim_TR2	190	Z	FD	glo	-2.730				180	Rx	CD loc 172.0
233	Perm_cordoli_TR2	200	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	306	Perm_pavim_TR2	193	Z	FD	glo	-2.730	172.0	0.000	0.000	183	Rx	CD loc 172.0
234	Perm_cordoli_TR2	201	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	307	Perm_pavim_TR2	194	Z	FD	glo	-2.730				184	Rx	CD loc 172.0
235	Perm_cordoli_TR2	202	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	308	Perm_pavim_TR2	195	Z	FD	glo	-2.730	172.0	0.000	0.000	185	Rx	CD loc 172.0
236	Perm_cordoli_TR2	203	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	309	Perm_pavim_TR2	196	Z	FD	glo	-2.730				188	Rx	CD loc 172.0
237	Perm_cordoli_TR2	204	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	310	Perm_pavim_TR2	197	Z	FD	glo	-2.730	172.0	0.000	0.000	189	Rx	CD loc 172.0
238	Perm_cordoli_TR2	205	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	311	Perm_pavim_TR2	198	Z	FD	glo	-2.730				190	Rx	CD loc 172.0
239	Perm_cordoli_TR2	206	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	312	Perm_pavim_TR2	199	Z	FD	glo	-2.730	172.0	0.000	0.000	193	Rx	CD loc 172.0
240	Perm_cordoli_TR2	207	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	313	Perm_pavim_TR2	200	Z	FD	glo	-2.730				194	Rx	CD loc 172.0
241	Perm_cordoli_TR2	177	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	314	Perm_pavim_TR2	201	Z	FD	glo	-2.730	172.0	0.000	0.000	195	Rx	CD loc 172.0
242	Perm_cordoli_TR2	240	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	315	Perm_pavim_TR2	202	Z	FD	glo	-2.730				196	Rx	CD loc 172.0
243	Perm_cordoli_TR2	178	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	316	Perm_pavim_TR2	203	Z	FD	glo	-2.730	172.0	0.000	0.000	197	Rx	CD loc 172.0
244	Perm_cordoli_TR2	242	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	317	Perm_pavim_TR2	204	Z	FD	glo	-2.730				198	Rx	CD loc 172.0
245	Perm_cordoli_TR2	181	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	318	Perm_pavim_TR2	205	Z	FD	glo	-2.730	172.0	0.000	0.000	199	Rx	CD loc 172.0
246	Perm_cordoli_TR2	244	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	319	Perm_pavim_TR2	206	Z	FD	glo	-2.730				200	Rx	CD loc 172.0
247	Perm_cordoli_TR2	182	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	320	Perm_pavim_TR2	207	Z	FD	glo	-2.730	172.0	0.000	0.000	201	Rx	CD loc 172.0
248	Perm_cordoli_TR2	247	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	321	Perm_pavim_TR2	177	Z	FD	glo	-2.730				202	Rx	CD loc 172.0
249	Perm_cordoli_TR2	187	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	322	Perm_pavim_TR2	240	Z	FD	glo	-2.730	172.0	0.000	0.000	203	Rx	CD loc 172.0
250	Perm_cordoli_TR2	250	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	323	Perm_pavim_TR2	178	Z	FD	glo	-2.730				204	Rx	CD loc 172.0
251	Perm_cordoli_TR2	186	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	324	Perm_pavim_TR2	242	Z	FD	glo	-2.730	172.0	0.000	0.000	205	Rx	CD loc 172.0
252	Perm_cordoli_TR2	251	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	325	Perm_pavim_TR2	181	Z	FD	glo	-2.730				206	Rx	CD loc 172.0
253	Perm_cordoli_TR2	191	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	326	Perm_pavim_TR2	244	Z	FD	glo	-2.730	172.0	0.000	0.000	207	Rx	CD loc 172.0
254	Perm_cordoli_TR2	252	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	327	Perm_pavim_TR2	182	Z	FD	glo	-2.730				177	Rx	CD loc 172.0
255	Perm_cordoli_TR2	192	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	328	Perm_pavim_TR2	247	Z	FD	glo	-2.730	172.0	0.000	0.000	240	Rx	CD loc 172.0
256	Perm_cordoli_TR2	253	Rx	CD	loc	-507.0	-	507.0	0.000	0.000	329	Perm_pavim_TR2	187	Z	FD	glo	-2.730				178	Rx	CD loc 172.0
257	Perm_pavim_TR1	208	Z	FD	glo	-6.480		172.0	0.000	0.000	330	Perm_pavim_TR2	250	Z	FD	glo	-2.730	172.0	0.000	0.000	242	Rx	CD loc 172.0
258	Perm_pavim_TR1	211	Z	FD	glo	-6.480		172.0	0.000	0.000	331	Perm_pavim_TR2	186	Z	FD	glo	-2.730				181	Rx	CD loc 172.0
259	Perm_pavim_TR1	212	Z	FD	glo	-6.480		172.0	0.000	0.000	332	Perm_pavim_TR2	251	Z	FD	glo	-2.730	172.0	0.000	0.000	244	Rx	CD loc 172.0
260	Perm_pavim_TR1	215	Z	FD	glo	-6.480		172.0	0.000	0.000	333	Perm_pavim_TR2	191	Z	FD	glo	-2.730				182	Rx	CD loc 172.0
261	Perm_pavim_TR1	216	Z	FD	glo	-6.480		172.0	0.000	0.000	334	Perm_pavim_TR2	252	Z	FD	glo	-2.730	172.0	0.000	0.000	247	Rx	CD loc 172.0
262	Perm_pavim_TR1	217	Z	FD	glo	-6.480		172.0	0.000	0.000	335	Perm_pavim_TR2	192	Z	FD	glo	-2.730				187	Rx	CD loc 172.0
263	Perm_pavim_TR1	220	Z	FD	glo	-6.480		172.0	0.000	0.000	336	Perm_pavim_TR2	253	Z	FD	glo	-2.730	172.0	0.000	0.000	250	Rx	CD loc 172.0
264	Perm_pavim_TR1	221	Z	FD	glo	-6.480		172.0	0.000	0.000	337	Perm_pavim_TR2	176	Rx	CD	loc	172.0				186	Rx	CD loc 172.0
265	Perm_pavim_TR1	222	Z	FD	glo	-6.480		172.0	0.000	0.000	338	Perm_pavim_TR2	179	Rx	CD	loc	172.0				251	Rx	CD loc 172.0
266	Perm_pavim_TR1	225	Z	FD	glo	-6.480		172.0	0.000	0.000	339	Perm_pavim_TR2	180	Rx	CD	loc	172.0				191	Rx	CD loc 172.0
267	Perm_pavim_TR1	226	Z	FD	glo	-6.480		172.0	0.000	0.000	340	Perm_pavim_TR2	183	Rx	CD	loc	172.0				252	Rx	CD loc 172.0
268	Perm_pavim_TR1	227	Z	FD	glo	-6.480		172.0	0.000	0.000	341	Perm_pavim_TR2	184	Rx	CD	loc	172.0				192	Rx	CD loc 172.0
269	Perm_pavim_TR1	228	Z	FD	glo	-6.480		172.0	0.000	0.000	342	Perm_pavim_TR2	185	Rx	CD	loc	172.0				253	Rx	CD loc 172.0
270	Perm_pavim_TR1	229	Z	FD	glo	-6.480		172.0	0.000	0.000	343	Perm_pavim_TR2	188	Rx	CD	loc	172.0				176	Rx	CD loc 172.0
271	Perm_pavim_TR1	230	Z	FD	glo	-6.480		172.0	0.000	0.000	344	Perm_pavim_TR2	189	Rx	CD	loc	172.0				179	Rx	CD loc 172.0
272	Perm_pavim_TR1	231	Z	FD	glo	-6.480		172.0	0.000	0.000	345	Perm_pavim_TR2	190	Rx	CD	loc	172.0				180	Rx	CD loc 172.0
273	Perm_pavim_TR1	232	Z	FD	glo	-6.480		172.0	0.000	0.000	346	Perm_pavim_TR2	193	Rx	CD	loc	172.0				183	Rx	CD loc 172.0
274	Perm_pavim_TR1	233	Z	FD	glo	-6.480		172.0	0.000	0.000	347	Perm_pavim_TR2	194	Rx	CD	loc	172.0				184	Rx	CD loc 172.0
275	Perm_pavim_TR1	234	Z	FD	glo	-6.480		172.0	0.000	0.000	348	Perm_pavim_TR2	195	Rx	CD	loc	172.0				185	Rx	CD loc 172.0
276	Perm_pavim_TR1	235	Z	FD	glo	-6.480		172.0	0.000	0.000	349	Perm_pavim_TR2	196	Rx	CD	loc	172.0				188	Rx	CD loc 172.0
277	Perm_pavim_TR1	236	Z	FD	glo	-6.480		172.0	0.000	0.000	350	Perm_pavim_TR2	197	Rx	CD	loc	172.0				189	Rx	CD loc 172.0
278	Perm_pavim_TR1	237	Z	FD	glo	-6.480		172.0	0.000	0.000	351	Perm_pavim_TR2	198	Rx	CD	loc	172.0				190	Rx	CD loc 172.0
279	Perm_pavim_TR1	238	Z	FD	glo	-6.480		172.0	0.000	0.000	352	Perm_pavim_TR2	199	Rx	CD	loc	172.0				193	Rx	CD loc 172.0
280	Perm_pavim_TR1	239	Z	FD	glo	-6.480		172.0	0.000	0.000	353	Perm_pavim_TR2	200	Rx	CD	loc	172.0				194	Rx	CD loc 172.0
281	Perm_pavim_TR1	209	Z	FD	glo	-6.480		172.0	0.000	0.000	354	Perm_pavim_TR2	201	Rx	CD	loc	172.0				195	Rx	CD loc 172.0
282	Perm_pavim_TR1	241	Z	FD	glo	-6.480		172.0	0.000	0.000	355	Perm_pavim_TR2	202	Rx	CD	loc	172.0				196	Rx	CD loc 172.0
283	Perm_pavim_TR1	210	Z	FD	glo	-6.480		172.0	0.000	0.000	356	Perm_pavim_TR2	203	Rx	CD	loc	172.0				197	Rx	CD loc 172.0
284	Perm_pavim_TR1	243	Z	FD	glo	-6.480		172.0	0.000	0.000	357	Perm_pavim_TR2	204	Rx	CD	loc	172.0				198	Rx	CD loc 172.0
285	Perm_pavim_TR1	213	Z	FD	glo	-6.480		172.0	0.000	0.000	358	Perm_pavim_TR2	205	Rx	CD	loc	172.0				199	Rx	CD loc 172.0
286	Perm_pavim_TR1	245	Z	FD	glo	-6.480		172.0	0.000	0.000	359	Perm_pavim_TR2	206	Rx	CD	loc	172.0				200	Rx	CD loc 172.0
287	Perm_pavim_TR1	214	Z	FD	glo	-6.480		172.0	0.000	0.000	360	Perm_pavim_TR2	207	Rx	CD	loc	172.0				201	Rx	CD loc 172.0
288	Perm_pavim_TR1	246	Z	FD	glo	-6.480		172.0	0.000	0.000	361	Perm_pavim_TR2	177	Rx	CD	loc	172.0				202	Rx	CD loc 172.0
289	Perm_pavim_TR1	218	Z	FD	glo	-6.480		172.0	0.000	0.000	362	Perm_pavim_TR2	240	Rx	CD	loc	172.0				203	Rx	CD loc 172.0
290	Perm_pavim_TR1	248	Z	FD	glo	-6.480		172.0	0.000	0.000	363	Perm_pavim_TR2	178	Rx	CD	loc	172.0				204	Rx	CD loc 172.0
291	Perm_pavim_TR1	219	Z	FD	glo	-6.480		172.0	0.000	0.000	364	Perm_pavim_TR2	242	Rx	CD	loc	172.0				205	Rx	CD loc 172.0
292	Perm_pavim_TR1	249	Z	FD	glo	-6.480		172.0	0.000	0.000	365	Perm_pavim_TR2	181	Rx	CD	loc	172.0				206	Rx	CD loc 172.0
293	Perm_pavim_TR1	223	Z	FD	glo	-6.480		172.0	0.000	0.000	366	Perm_pavim_TR2	244	Rx	CD	loc	172.0				207	Rx	CD loc 172.0
294	Perm_pavim_TR1	254	Z	FD	glo	-6.480		172.0	0.000	0.000	367	Perm_pavim_TR2	182	Rx	CD	loc	172.0				177	Rx	CD loc 172.0
295	Perm_pavim_TR1	224	Z	FD	glo	-6.480		172.0	0.000	0.000	368	Perm_pavim_TR2	247	Rx	CD	loc	172.0				240	Rx	CD loc 172.0
296	Perm_pavim_TR1	255	Z	FD	glo	-6.480		172.0	0.000	0.000	369	Perm_pavim_TR2	187	Rx	CD	loc	172.0				242	Rx	CD loc 172.0
297	Perm_pavim_TR2	176	Z	FD	glo	-2.730		172.0	0.000	0.000											181	Rx	CD loc 172.0
298	Perm_pavim_TR2	179	Z	FD	glo	-2.730		172.0	0.000	0.000											244	Rx	CD loc 172.0
299	Perm_pavim_TR2	180	Z	FD	glo	-2.730		172.0	0.000	0.000											182	Rx	CD loc 172.0
300	Perm_pavim_TR2	183	Z	FD	glo	-2.730		172.0	0.000	0.000											247	Rx	CD loc 172.0
301	Perm_pavim_TR2	184	Z	FD	glo	-2.730		172.0	0.000	0.000											187	Rx	CD loc 172.0
302	Perm_pavim_TR2	185	Z	FD	glo	-2.730		172.0	0.000	0.000													
303	Perm_pavim_TR2	188	Z	FD	glo	-2.730		172.0	0.000	0.000													

Allegato A: strutture analizzate

```
   370 Perm_pavim_TR2          250  Rx  CD loc      172.0
172.0      0.000      0.000
   371 Perm_pavim_TR2          186  Rx  CD loc      172.0
172.0      0.000      0.000
   372 Perm_pavim_TR2          251  Rx  CD loc      172.0
172.0      0.000      0.000
   373 Perm_pavim_TR2          191  Rx  CD loc      172.0
172.0      0.000      0.000
   374 Perm_pavim_TR2          252  Rx  CD loc      172.0
172.0      0.000      0.000
   375 Perm_pavim_TR2          192  Rx  CD loc      172.0
172.0      0.000      0.000
   376 Perm_pavim_TR2          253  Rx  CD loc      172.0
172.0      0.000      0.000
   377 Perm_sicurvia_TR2       176  Z   FD glo     -1.500
   378 Perm_sicurvia_TR2       179  Z   FD glo     -1.500
   379 Perm_sicurvia_TR2       180  Z   FD glo     -1.500
   380 Perm_sicurvia_TR2       183  Z   FD glo     -1.500
   381 Perm_sicurvia_TR2       184  Z   FD glo     -1.500
   382 Perm_sicurvia_TR2       185  Z   FD glo     -1.500
   383 Perm_sicurvia_TR2       188  Z   FD glo     -1.500
   384 Perm_sicurvia_TR2       189  Z   FD glo     -1.500
   385 Perm_sicurvia_TR2       190  Z   FD glo     -1.500
   386 Perm_sicurvia_TR2       193  Z   FD glo     -1.500
   387 Perm_sicurvia_TR2       194  Z   FD glo     -1.500
   388 Perm_sicurvia_TR2       195  Z   FD glo     -1.500
   389 Perm_sicurvia_TR2       196  Z   FD glo     -1.500
   390 Perm_sicurvia_TR2       197  Z   FD glo     -1.500
   391 Perm_sicurvia_TR2       198  Z   FD glo     -1.500
   392 Perm_sicurvia_TR2       199  Z   FD glo     -1.500
   393 Perm_sicurvia_TR2       200  Z   FD glo     -1.500
   394 Perm_sicurvia_TR2       201  Z   FD glo     -1.500
   395 Perm_sicurvia_TR2       202  Z   FD glo     -1.500
   396 Perm_sicurvia_TR2       203  Z   FD glo     -1.500
   397 Perm_sicurvia_TR2       204  Z   FD glo     -1.500
   398 Perm_sicurvia_TR2       205  Z   FD glo     -1.500
   399 Perm_sicurvia_TR2       206  Z   FD glo     -1.500
   400 Perm_sicurvia_TR2       207  Z   FD glo     -1.500
   401 Perm_sicurvia_TR2       177  Z   FD glo     -1.500
   402 Perm_sicurvia_TR2       240  Z   FD glo     -1.500
   403 Perm_sicurvia_TR2       178  Z   FD glo     -1.500
   404 Perm_sicurvia_TR2       242  Z   FD glo     -1.500
   405 Perm_sicurvia_TR2       181  Z   FD glo     -1.500
   406 Perm_sicurvia_TR2       244  Z   FD glo     -1.500
   407 Perm_sicurvia_TR2       182  Z   FD glo     -1.500
   408 Perm_sicurvia_TR2       247  Z   FD glo     -1.500
   409 Perm_sicurvia_TR2       187  Z   FD glo     -1.500
   410 Perm_sicurvia_TR2       250  Z   FD glo     -1.500
   411 Perm_sicurvia_TR2       186  Z   FD glo     -1.500
   412 Perm_sicurvia_TR2       251  Z   FD glo     -1.500
   413 Perm_sicurvia_TR2       191  Z   FD glo     -1.500
   414 Perm_sicurvia_TR2       252  Z   FD glo     -1.500
   415 Perm_sicurvia_TR2       192  Z   FD glo     -1.500
   416 Perm_sicurvia_TR2       253  Z   FD glo     -1.500
   417 Perm_sicurvia_TR2       176  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   418 Perm_sicurvia_TR2       179  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   419 Perm_sicurvia_TR2       180  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   420 Perm_sicurvia_TR2       183  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   421 Perm_sicurvia_TR2       184  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   422 Perm_sicurvia_TR2       185  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   423 Perm_sicurvia_TR2       188  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   424 Perm_sicurvia_TR2       189  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   425 Perm_sicurvia_TR2       190  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   426 Perm_sicurvia_TR2       193  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   427 Perm_sicurvia_TR2       194  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   428 Perm_sicurvia_TR2       195  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   429 Perm_sicurvia_TR2       196  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   430 Perm_sicurvia_TR2       197  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   431 Perm_sicurvia_TR2       198  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   432 Perm_sicurvia_TR2       199  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   433 Perm_sicurvia_TR2       200  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   434 Perm_sicurvia_TR2       201  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   435 Perm_sicurvia_TR2       202  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   436 Perm_sicurvia_TR2       203  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   437 Perm_sicurvia_TR2       204  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   438 Perm_sicurvia_TR2       205  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   439 Perm_sicurvia_TR2       206  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   440 Perm_sicurvia_TR2       207  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   441 Perm_sicurvia_TR2       177  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   442 Perm_sicurvia_TR2       240  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   443 Perm_sicurvia_TR2       178  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   444 Perm_sicurvia_TR2       242  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   445 Perm_sicurvia_TR2       181  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   446 Perm_sicurvia_TR2       244  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   447 Perm_sicurvia_TR2       182  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   448 Perm_sicurvia_TR2       247  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   449 Perm_sicurvia_TR2       187  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   450 Perm_sicurvia_TR2       250  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   451 Perm_sicurvia_TR2       186  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   452 Perm_sicurvia_TR2       251  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   453 Perm_sicurvia_TR2       191  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   454 Perm_sicurvia_TR2       252  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   455 Perm_sicurvia_TR2       192  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   456 Perm_sicurvia_TR2       253  Rx  CD loc      -28.0     -
28.0       0.000      0.000
   457 Perm_rete_TR2           176  Z   FD glo     -1.500
   458 Perm_rete_TR2           179  Z   FD glo     -1.500
   459 Perm_rete_TR2           180  Z   FD glo     -1.500
   460 Perm_rete_TR2           183  Z   FD glo     -1.500
   461 Perm_rete_TR2           184  Z   FD glo     -1.500
   462 Perm_rete_TR2           185  Z   FD glo     -1.500
   463 Perm_rete_TR2           188  Z   FD glo     -1.500
   464 Perm_rete_TR2           189  Z   FD glo     -1.500
   465 Perm_rete_TR2           190  Z   FD glo     -1.500
   466 Perm_rete_TR2           193  Z   FD glo     -1.500
   467 Perm_rete_TR2           194  Z   FD glo     -1.500
   468 Perm_rete_TR2           195  Z   FD glo     -1.500
   469 Perm_rete_TR2           196  Z   FD glo     -1.500
   470 Perm_rete_TR2           197  Z   FD glo     -1.500
   471 Perm_rete_TR2           198  Z   FD glo     -1.500
   472 Perm_rete_TR2           199  Z   FD glo     -1.500
   473 Perm_rete_TR2           200  Z   FD glo     -1.500
   474 Perm_rete_TR2           201  Z   FD glo     -1.500
   475 Perm_rete_TR2           202  Z   FD glo     -1.500
   476 Perm_rete_TR2           203  Z   FD glo     -1.500
   477 Perm_rete_TR2           204  Z   FD glo     -1.500
   478 Perm_rete_TR2           205  Z   FD glo     -1.500
   479 Perm_rete_TR2           206  Z   FD glo     -1.500
   480 Perm_rete_TR2           207  Z   FD glo     -1.500
   481 Perm_rete_TR2           177  Z   FD glo     -1.500
   482 Perm_rete_TR2           240  Z   FD glo     -1.500
   483 Perm_rete_TR2           178  Z   FD glo     -1.500
   484 Perm_rete_TR2           242  Z   FD glo     -1.500
   485 Perm_rete_TR2           181  Z   FD glo     -1.500
   486 Perm_rete_TR2           244  Z   FD glo     -1.500
   487 Perm_rete_TR2           182  Z   FD glo     -1.500
   488 Perm_rete_TR2           247  Z   FD glo     -1.500
   489 Perm_rete_TR2           187  Z   FD glo     -1.500
   490 Perm_rete_TR2           250  Z   FD glo     -1.500
   491 Perm_rete_TR2           186  Z   FD glo     -1.500
   492 Perm_rete_TR2           251  Z   FD glo     -1.500
   493 Perm_rete_TR2           191  Z   FD glo     -1.500
   494 Perm_rete_TR2           252  Z   FD glo     -1.500
   495 Perm_rete_TR2           192  Z   FD glo     -1.500
   496 Perm_rete_TR2           253  Z   FD glo     -1.500
   497 Perm_rete_TR2           176  Rx  CD loc     -168.0     -
168.0      0.000      0.000
   498 Perm_rete_TR2           179  Rx  CD loc     -168.0     -
168.0      0.000      0.000
   499 Perm_rete_TR2           180  Rx  CD loc     -168.0     -
168.0      0.000      0.000
   500 Perm_rete_TR2           183  Rx  CD loc     -168.0     -
168.0      0.000      0.000
   501 Perm_rete_TR2           184  Rx  CD loc     -168.0     -
168.0      0.000      0.000
   502 Perm_rete_TR2           185  Rx  CD loc     -168.0     -
168.0      0.000      0.000
   503 Perm_rete_TR2           188  Rx  CD loc     -168.0     -
168.0      0.000      0.000
   504 Perm_rete_TR2           189  Rx  CD loc     -168.0     -
168.0      0.000      0.000
   505 Perm_rete_TR2           190  Rx  CD loc     -168.0     -
168.0      0.000      0.000
   506 Perm_rete_TR2           193  Rx  CD loc     -168.0     -
168.0      0.000      0.000
   507 Perm_rete_TR2           194  Rx  CD loc     -168.0     -
168.0      0.000      0.000
```

Allegato A

Allegato A: strutture analizzate

508	Perm_rete_TR2	195	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	578	Distr_C1_TR2	179	Z	FD	glo	-2.100
509	Perm_rete_TR2	196	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	579	Distr_C1_TR2	180	Z	FD	glo	-2.100
510	Perm_rete_TR2	197	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	580	Distr_C1_TR2	183	Z	FD	glo	-2.100
511	Perm_rete_TR2	198	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	581	Distr_C1_TR2	184	Z	FD	glo	-2.100
512	Perm_rete_TR2	199	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	582	Distr_C1_TR2	185	Z	FD	glo	-2.100
513	Perm_rete_TR2	200	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	583	Distr_C1_TR2	188	Z	FD	glo	-2.100
514	Perm_rete_TR2	201	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	584	Distr_C1_TR2	189	Z	FD	glo	-2.100
515	Perm_rete_TR2	202	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	585	Distr_C1_TR2	190	Z	FD	glo	-2.100
516	Perm_rete_TR2	203	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	586	Distr_C1_TR2	193	Z	FD	glo	-2.100
517	Perm_rete_TR2	204	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	587	Distr_C1_TR2	194	Z	FD	glo	-2.100
518	Perm_rete_TR2	205	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	588	Distr_C1_TR2	195	Z	FD	glo	-2.100
519	Perm_rete_TR2	206	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	589	Distr_C1_TR2	196	Z	FD	glo	-2.100
520	Perm_rete_TR2	207	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	590	Distr_C1_TR2	197	Z	FD	glo	-2.100
521	Perm_rete_TR2	177	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	591	Distr_C1_TR2	198	Z	FD	glo	-2.100
522	Perm_rete_TR2	240	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	592	Distr_C1_TR2	199	Z	FD	glo	-2.100
523	Perm_rete_TR2	178	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	593	Distr_C1_TR2	200	Z	FD	glo	-2.100
524	Perm_rete_TR2	242	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	594	Distr_C1_TR2	201	Z	FD	glo	-2.100
525	Perm_rete_TR2	181	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	595	Distr_C1_TR2	202	Z	FD	glo	-2.100
526	Perm_rete_TR2	244	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	596	Distr_C1_TR2	203	Z	FD	glo	-2.100
527	Perm_rete_TR2	182	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	597	Distr_C1_TR2	204	Z	FD	glo	-2.100
528	Perm_rete_TR2	247	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	598	Distr_C1_TR2	205	Z	FD	glo	-2.100
529	Perm_rete_TR2	187	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	599	Distr_C1_TR2	206	Z	FD	glo	-2.100
530	Perm_rete_TR2	250	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	600	Distr_C1_TR2	207	Z	FD	glo	-2.100
531	Perm_rete_TR2	186	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	601	Distr_C1_TR2	177	Z	FD	glo	-2.100
532	Perm_rete_TR2	251	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	602	Distr_C1_TR2	240	Z	FD	glo	-2.100
533	Perm_rete_TR2	191	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	603	Distr_C1_TR2	178	Z	FD	glo	-2.100
534	Perm_rete_TR2	252	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	604	Distr_C1_TR2	242	Z	FD	glo	-2.100
535	Perm_rete_TR2	192	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	605	Distr_C1_TR2	181	Z	FD	glo	-2.100
536	Perm_rete_TR2	253	Rx	CD	loc	-168.0	-	168.0	0.000	0.000	606	Distr_C1_TR2	244	Z	FD	glo	-2.100
537	Distr_C1_TR1	208	Z	FD	glo	-5.400		140.8	0.000	0.000	607	Distr_C1_TR2	182	Z	FD	glo	-2.100
538	Distr_C1_TR1	211	Z	FD	glo	-5.400		140.8	0.000	0.000	608	Distr_C1_TR2	247	Z	FD	glo	-2.100
539	Distr_C1_TR1	212	Z	FD	glo	-5.400		140.8	0.000	0.000	609	Distr_C1_TR2	187	Z	FD	glo	-2.100
540	Distr_C1_TR1	215	Z	FD	glo	-5.400		140.8	0.000	0.000	610	Distr_C1_TR2	250	Z	FD	glo	-2.100
541	Distr_C1_TR1	216	Z	FD	glo	-5.400		140.8	0.000	0.000	611	Distr_C1_TR2	186	Z	FD	glo	-2.100
542	Distr_C1_TR1	217	Z	FD	glo	-5.400		140.8	0.000	0.000	612	Distr_C1_TR2	251	Z	FD	glo	-2.100
543	Distr_C1_TR1	220	Z	FD	glo	-5.400		140.8	0.000	0.000	613	Distr_C1_TR2	191	Z	FD	glo	-2.100
544	Distr_C1_TR1	221	Z	FD	glo	-5.400		140.8	0.000	0.000	614	Distr_C1_TR2	252	Z	FD	glo	-2.100
545	Distr_C1_TR1	222	Z	FD	glo	-5.400		140.8	0.000	0.000	615	Distr_C1_TR2	192	Z	FD	glo	-2.100
546	Distr_C1_TR1	225	Z	FD	glo	-5.400		140.8	0.000	0.000	616	Distr_C1_TR2	253	Z	FD	glo	-2.100
547	Distr_C1_TR1	226	Z	FD	glo	-5.400		140.8	0.000	0.000	617	Distr_C1_TR2	176	Rx	CD	loc	140.8
548	Distr_C1_TR1	227	Z	FD	glo	-5.400		140.8	0.000	0.000	618	Distr_C1_TR2	179	Rx	CD	loc	140.8
549	Distr_C1_TR1	228	Z	FD	glo	-5.400		140.8	0.000	0.000	619	Distr_C1_TR2	180	Rx	CD	loc	140.8
550	Distr_C1_TR1	229	Z	FD	glo	-5.400		140.8	0.000	0.000	620	Distr_C1_TR2	183	Rx	CD	loc	140.8
551	Distr_C1_TR1	230	Z	FD	glo	-5.400		140.8	0.000	0.000	621	Distr_C1_TR2	184	Rx	CD	loc	140.8
552	Distr_C1_TR1	231	Z	FD	glo	-5.400		140.8	0.000	0.000	622	Distr_C1_TR2	185	Rx	CD	loc	140.8
553	Distr_C1_TR1	232	Z	FD	glo	-5.400		140.8	0.000	0.000	623	Distr_C1_TR2	188	Rx	CD	loc	140.8
554	Distr_C1_TR1	233	Z	FD	glo	-5.400		140.8	0.000	0.000	624	Distr_C1_TR2	189	Rx	CD	loc	140.8
555	Distr_C1_TR1	234	Z	FD	glo	-5.400		140.8	0.000	0.000	625	Distr_C1_TR2	190	Rx	CD	loc	140.8
556	Distr_C1_TR1	235	Z	FD	glo	-5.400		140.8	0.000	0.000	626	Distr_C1_TR2	193	Rx	CD	loc	140.8
557	Distr_C1_TR1	236	Z	FD	glo	-5.400		140.8	0.000	0.000	627	Distr_C1_TR2	194	Rx	CD	loc	140.8
558	Distr_C1_TR1	237	Z	FD	glo	-5.400		140.8	0.000	0.000	628	Distr_C1_TR2	195	Rx	CD	loc	140.8
559	Distr_C1_TR1	238	Z	FD	glo	-5.400		140.8	0.000	0.000	629	Distr_C1_TR2	196	Rx	CD	loc	140.8
560	Distr_C1_TR1	239	Z	FD	glo	-5.400		140.8	0.000	0.000	630	Distr_C1_TR2	197	Rx	CD	loc	140.8
561	Distr_C1_TR1	209	Z	FD	glo	-5.400		140.8	0.000	0.000	631	Distr_C1_TR2	198	Rx	CD	loc	140.8
562	Distr_C1_TR1	241	Z	FD	glo	-5.400		140.8	0.000	0.000	632	Distr_C1_TR2	199	Rx	CD	loc	140.8
563	Distr_C1_TR1	210	Z	FD	glo	-5.400		140.8	0.000	0.000	633	Distr_C1_TR2	200	Rx	CD	loc	140.8
564	Distr_C1_TR1	243	Z	FD	glo	-5.400		140.8	0.000	0.000	634	Distr_C1_TR2	201	Rx	CD	loc	140.8
565	Distr_C1_TR1	213	Z	FD	glo	-5.400		140.8	0.000	0.000	635	Distr_C1_TR2	202	Rx	CD	loc	140.8
566	Distr_C1_TR1	245	Z	FD	glo	-5.400		140.8	0.000	0.000	636	Distr_C1_TR2	203	Rx	CD	loc	140.8
567	Distr_C1_TR1	214	Z	FD	glo	-5.400		140.8	0.000	0.000	637	Distr_C1_TR2	204	Rx	CD	loc	140.8
568	Distr_C1_TR1	246	Z	FD	glo	-5.400		140.8	0.000	0.000	638	Distr_C1_TR2	205	Rx	CD	loc	140.8
569	Distr_C1_TR1	218	Z	FD	glo	-5.400		140.8	0.000	0.000	639	Distr_C1_TR2	206	Rx	CD	loc	140.8
570	Distr_C1_TR1	248	Z	FD	glo	-5.400		140.8	0.000	0.000	640	Distr_C1_TR2	207	Rx	CD	loc	140.8
571	Distr_C1_TR1	219	Z	FD	glo	-5.400		140.8	0.000	0.000	641	Distr_C1_TR2	177	Rx	CD	loc	140.8
572	Distr_C1_TR1	249	Z	FD	glo	-5.400		140.8	0.000	0.000	642	Distr_C1_TR2	240	Rx	CD	loc	140.8
573	Distr_C1_TR1	223	Z	FD	glo	-5.400		140.8	0.000	0.000	643	Distr_C1_TR2	178	Rx	CD	loc	140.8
574	Distr_C1_TR1	254	Z	FD	glo	-5.400		140.8	0.000	0.000	644	Distr_C1_TR2	242	Rx	CD	loc	140.8
575	Distr_C1_TR1	224	Z	FD	glo	-5.400		140.8	0.000	0.000	645	Distr_C1_TR2	181	Rx	CD	loc	140.8
576	Distr_C1_TR1	255	Z	FD	glo	-5.400		140.8	0.000	0.000	646	Distr_C1_TR2	244	Rx	CD	loc	140.8
577	Distr_C1_TR2	176	Z	FD	glo	-2.100		140.8	0.000	0.000							

Allegato A

Allegato A: strutture analizzate

```
   647 Distr_C1_TR2            182  Rx  CD loc      140.8
140.8      0.000      0.000
   648 Distr_C1_TR2            247  Rx  CD loc      140.8
140.8      0.000      0.000
   649 Distr_C1_TR2            187  Rx  CD loc      140.8
140.8      0.000      0.000
   650 Distr_C1_TR2            250  Rx  CD loc      140.8
140.8      0.000      0.000
   651 Distr_C1_TR2            186  Rx  CD loc      140.8
140.8      0.000      0.000
   652 Distr_C1_TR2            251  Rx  CD loc      140.8
140.8      0.000      0.000
   653 Distr_C1_TR2            191  Rx  CD loc      140.8
140.8      0.000      0.000
   654 Distr_C1_TR2            252  Rx  CD loc      140.8
140.8      0.000      0.000
   655 Distr_C1_TR2            192  Rx  CD loc      140.8
140.8      0.000      0.000
   656 Distr_C1_TR2            253  Rx  CD loc      140.8
140.8      0.000      0.000
   657 Distr_AR_TR2            176  Z   FD glo     -3.300
   658 Distr_AR_TR2            179  Z   FD glo     -3.300
   659 Distr_AR_TR2            180  Z   FD glo     -3.300
   660 Distr_AR_TR2            183  Z   FD glo     -3.300
   661 Distr_AR_TR2            184  Z   FD glo     -3.300
   662 Distr_AR_TR2            185  Z   FD glo     -3.300
   663 Distr_AR_TR2            188  Z   FD glo     -3.300
   664 Distr_AR_TR2            189  Z   FD glo     -3.300
   665 Distr_AR_TR2            190  Z   FD glo     -3.300
   666 Distr_AR_TR2            193  Z   FD glo     -3.300
   667 Distr_AR_TR2            194  Z   FD glo     -3.300
   668 Distr_AR_TR2            195  Z   FD glo     -3.300
   669 Distr_AR_TR2            196  Z   FD glo     -3.300
   670 Distr_AR_TR2            197  Z   FD glo     -3.300
   671 Distr_AR_TR2            198  Z   FD glo     -3.300
   672 Distr_AR_TR2            199  Z   FD glo     -3.300
   673 Distr_AR_TR2            200  Z   FD glo     -3.300
   674 Distr_AR_TR2            201  Z   FD glo     -3.300
   675 Distr_AR_TR2            202  Z   FD glo     -3.300
   676 Distr_AR_TR2            203  Z   FD glo     -3.300
   677 Distr_AR_TR2            204  Z   FD glo     -3.300
   678 Distr_AR_TR2            205  Z   FD glo     -3.300
   679 Distr_AR_TR2            206  Z   FD glo     -3.300
   680 Distr_AR_TR2            207  Z   FD glo     -3.300
   681 Distr_AR_TR2            177  Z   FD glo     -3.300
   682 Distr_AR_TR2            240  Z   FD glo     -3.300
   683 Distr_AR_TR2            178  Z   FD glo     -3.300
   684 Distr_AR_TR2            242  Z   FD glo     -3.300
   685 Distr_AR_TR2            181  Z   FD glo     -3.300
   686 Distr_AR_TR2            244  Z   FD glo     -3.300
   687 Distr_AR_TR2            182  Z   FD glo     -3.300
   688 Distr_AR_TR2            247  Z   FD glo     -3.300
   689 Distr_AR_TR2            187  Z   FD glo     -3.300
   690 Distr_AR_TR2            250  Z   FD glo     -3.300
   691 Distr_AR_TR2            186  Z   FD glo     -3.300
   692 Distr_AR_TR2            251  Z   FD glo     -3.300
   693 Distr_AR_TR2            191  Z   FD glo     -3.300
   694 Distr_AR_TR2            252  Z   FD glo     -3.300
   695 Distr_AR_TR2            192  Z   FD glo     -3.300
   696 Distr_AR_TR2            253  Z   FD glo     -3.300
   697 Distr_AR_TR2            176  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   698 Distr_AR_TR2            179  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   699 Distr_AR_TR2            180  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   700 Distr_AR_TR2            183  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   701 Distr_AR_TR2            184  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   702 Distr_AR_TR2            185  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   703 Distr_AR_TR2            188  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   704 Distr_AR_TR2            189  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   705 Distr_AR_TR2            190  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   706 Distr_AR_TR2            193  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   707 Distr_AR_TR2            194  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   708 Distr_AR_TR2            195  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   709 Distr_AR_TR2            196  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   710 Distr_AR_TR2            197  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   711 Distr_AR_TR2            198  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   712 Distr_AR_TR2            199  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   713 Distr_AR_TR2            200  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   714 Distr_AR_TR2            201  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   715 Distr_AR_TR2            202  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   716 Distr_AR_TR2            203  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   717 Distr_AR_TR2            204  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   718 Distr_AR_TR2            205  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   719 Distr_AR_TR2            206  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   720 Distr_AR_TR2            207  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   721 Distr_AR_TR2            177  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   722 Distr_AR_TR2            240  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   723 Distr_AR_TR2            178  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   724 Distr_AR_TR2            242  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   725 Distr_AR_TR2            181  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   726 Distr_AR_TR2            244  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   727 Distr_AR_TR2            182  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   728 Distr_AR_TR2            247  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   729 Distr_AR_TR2            187  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   730 Distr_AR_TR2            250  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   731 Distr_AR_TR2            186  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   732 Distr_AR_TR2            251  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   733 Distr_AR_TR2            191  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   734 Distr_AR_TR2            252  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   735 Distr_AR_TR2            192  Rx  CD loc     -139.0     -
139.0      0.000      0.000
   736 Distr_AR_TR2            253  Rx  CD loc     -139.0     -
139.0      0.000      0.000

CARICHI DI LINEA    |-----------|-----------|-----------|----------
-|num.=      0
            numero coordinata                        Intensità
  Nome     inizio       fine   Cond. Direz.   inizio        fine
Descrizione

CONDIZIONI DI CARICO----------|-----------|-----------|-----------
|num.=     17
  Nome
      1   Peso_proprio_travi   N. carichi:   80
          Lista carichi: 17-96

      2  Peso_proprio_solett   N. carichi:   80
          Lista carichi: 97-176

      3        Perm_cordoli   N. carichi:   80
          Lista carichi: 177-256

      4  Perm_pavimentazione   N. carichi:  120
          Lista carichi: 257-376

      5       Perm_sicurvia   N. carichi:   80
          Lista carichi: 377-456

      6  Perm_rete_e_veletta   N. carichi:   80
          Lista carichi: 457-536

      7            Distr_C1   N. carichi:  120
          Lista carichi: 537-656

      8             Distr_C2   N. carichi:    0
          Lista carichi:

      9  Distr_Area_rimanent   N. carichi:   80
          Lista carichi: 657-736

     10             Q_C1_MM   N. carichi:    4
          Lista carichi: 1-4

     11             Q_C1_MV   N. carichi:    4
          Lista carichi: 5-8

     12             Q_C1_VM   N. carichi:    4
          Lista carichi: 9-12

     13             Q_C1_VV   N. carichi:    4
          Lista carichi: 13-16

     14             Q_C2_MM   N. carichi:    0
          Lista carichi:

     15             Q_C2_MV   N. carichi:    0
          Lista carichi:

     16             Q_C2_VM   N. carichi:    0
          Lista carichi:
```

Allegato A

Allegato A: strutture analizzate

```
   17              Q_C2_VV   N. carichi:    0
       Lista carichi:

  RISULTANTI DEI CARICHI (punto di applicazione nell'origine degli
assi):
  cond.         FX            FY            FZ            MX
MY            MZ
     1  0.000000E+00  0.000000E+00 -1.327170E+05 -2.886595E+07
2.122145E+08  0.000000E+00
     2  0.000000E+00  0.000000E+00 -1.243382E+05 -2.704357E+07
1.988168E+08  0.000000E+00
     3  0.000000E+00  0.000000E+00 -2.998125E+04 -1.136529E+07
4.794002E+07  0.000000E+00
     4  0.000000E+00  0.000000E+00 -2.945358E+04 -4.566904E+06
4.709627E+07  0.000000E+00
     5  0.000000E+00  0.000000E+00 -4.797000E+03 -1.648569E+06
7.670403E+06  0.000000E+00
     6  0.000000E+00  0.000000E+00 -4.797000E+03 -2.096289E+06
7.670403E+06  0.000000E+00
     7  0.000000E+00  0.000000E+00 -2.398692E+04 -3.632153E+06
3.835508E+07  0.000000E+00
     8  0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00
0.000000E+00  0.000000E+00
     9  0.000000E+00  0.000000E+00 -1.055340E+04 -3.874377E+06
1.687489E+07  0.000000E+00
    10  0.000000E+00  0.000000E+00 -4.000200E+04 -6.000300E+06
6.396320E+07  0.000000E+00
    11  0.000000E+00  0.000000E+00 -4.000200E+04 -6.000300E+06
4.396220E+07  0.000000E+00
    12  0.000000E+00  0.000000E+00 -4.000200E+04 -6.000300E+06
2.396120E+07  0.000000E+00
    13  0.000000E+00  0.000000E+00 -4.000200E+04 -6.000300E+06
7.960398E+06  0.000000E+00
    14  0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00
0.000000E+00  0.000000E+00
    15  0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00
0.000000E+00  0.000000E+00
    16  0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00
0.000000E+00  0.000000E+00
    17  0.000000E+00  0.000000E+00  0.000000E+00  0.000000E+00
0.000000E+00  0.000000E+00
```