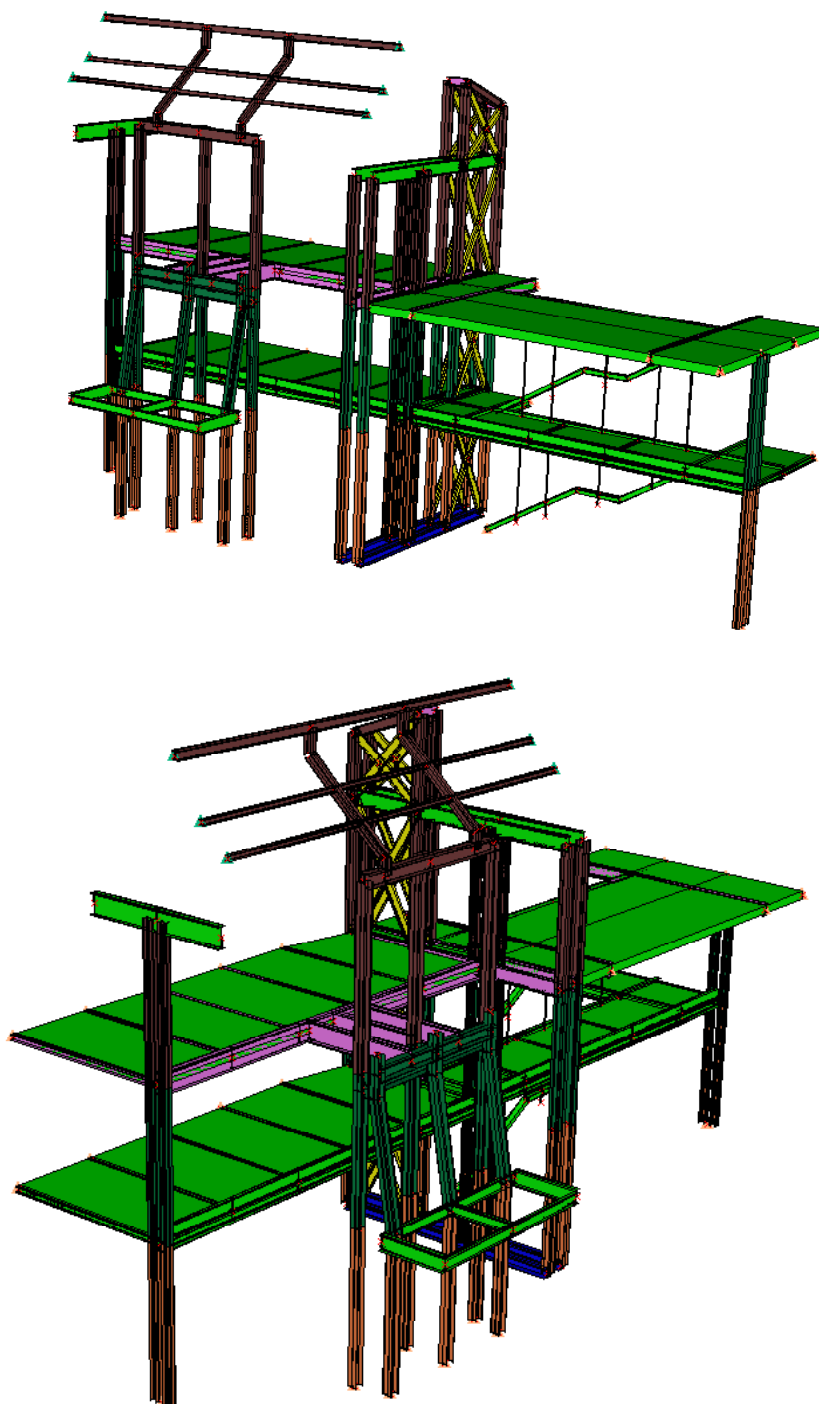
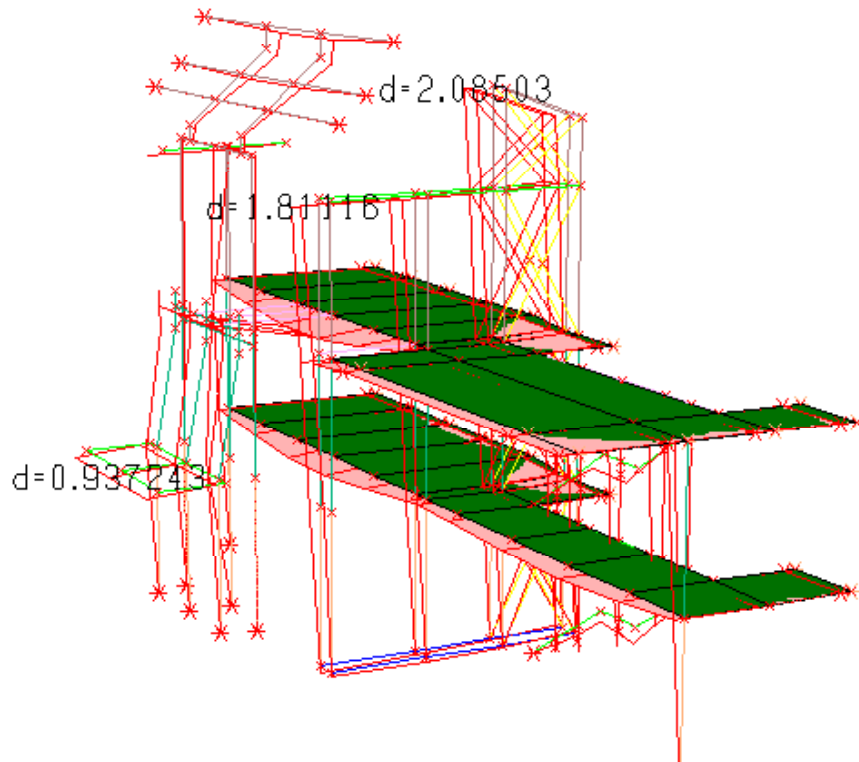


INTESTAZIONE E DATI CARATTERISTICI DELLA STRUTTURA

Nome dell'archivio di lavoro : A_50
Intestazione del lavoro : SS
Tipo di struttura : Nello spazio
Tipo di analisi : Statica
Unita' di misura delle Forze : kg
Unita' di misura Lunghezze : cm
Unita' misura Angoli (coordinate): gradi
Unita' misura Angoli : radianti

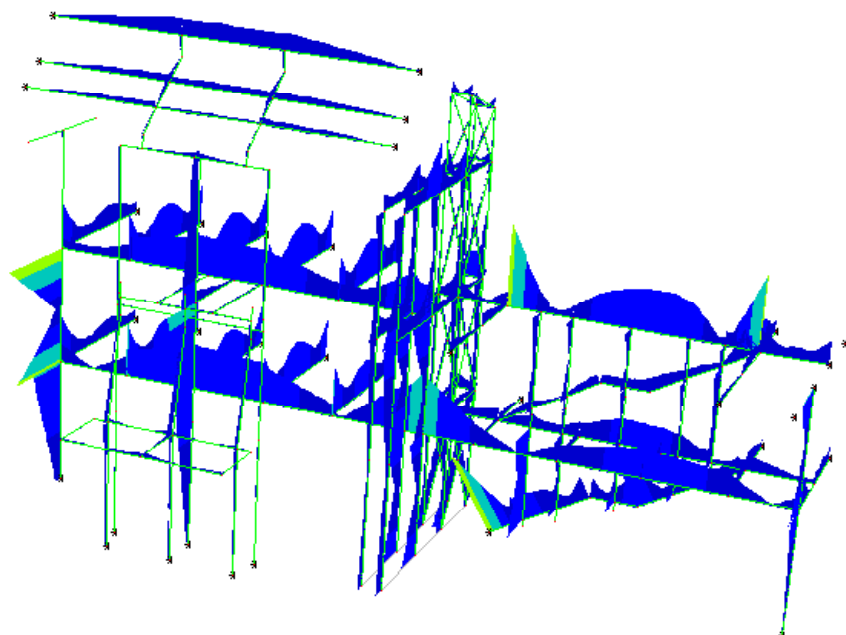
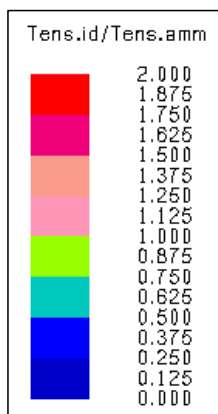


Modello numerico, rappresentazione solida



Deformata di controllo sulla struttura metallica, conseguente alla sua partecipazione nella dinamica della struttura muraria prescindendo dall'effettiva valutazione del contributo in rigidità equivalente, in ragione appunto della compressione degli effetti di *trascinamento*: è stato infatti inserito sul telaio liberato dai vincoli di connessione e continuità il carico ultimo che compete al maschio equivalente inserito nel modello POR.

Spostamenti amplificati del fattore 50, valori espressi in cm.



Mapa del rapporto fra tensione ideale e tensione ammissibile (Von Mises)

GRUPPI DELLA STRUTTURA

ELEMENTO FINITO TRAVE

n.gruppo	descrizione
1	TRAVI
2	MONTANTI
3	003
4	004
5	005
6	vetro
7	controvento
8	gfd

ELEMENTO FINITO GUSCIO

n.gruppo	descrizione	Giace nel piano	Blocco gradi liberta'
1	piano rigido	Si	000000

ELEMENTO FINITO VINCOLO

n.gruppo	descrizione
1	D
2	002

ELEMENTO FINITO TRAVE DI FONDAZIONE

n.gruppo	descrizione
1	df

NODI DEL SISTEMA

nodo	coord X	coord Y	coord Z	temp	uX	uY	uZ	rX	rY	rZ
1	0.000	0.000	0.000	0.000	0	0	0	0	0	0
2	0.000	0.000	320.000	0.000	0	0	0	0	0	0
3	0.000	-918.000	0.000	0.000	1	1	0	0	0	1
4	0.000	-918.000	320.000	0.000	0	0	0	0	0	0
5	0.000	-968.000	0.000	0.000	1	1	0	0	0	1
6	0.000	-968.000	320.000	0.000	0	0	0	0	0	0
7	0.000	-1876.000	0.000	0.000	0	0	0	0	0	0
8	0.000	-1876.000	320.000	0.000	0	0	0	0	0	0
9	0.000	-183.600	320.000	0.000	0	0	0	0	0	0
10	0.000	-367.200	320.000	0.000	0	0	0	0	0	0
11	0.000	-550.800	320.000	0.000	0	0	0	0	0	0
12	0.000	-734.400	320.000	0.000	0	0	0	0	0	0
13	0.000	-1094.000	320.000	0.000	0	0	0	0	0	0
14	0.000	-1711.000	320.000	0.000	0	0	0	0	0	0
15	0.000	-1299.667	320.000	0.000	0	0	0	0	0	0
16	0.000	-1505.333	320.000	0.000	0	0	0	0	0	0
17	370.000	-734.400	320.000	0.000	0	0	0	0	0	0
18	370.000	-550.800	320.000	0.000	0	0	0	0	0	0
19	370.000	-367.200	320.000	0.000	0	0	0	0	0	0
20	370.000	-183.600	320.000	0.000	0	0	0	0	0	0
21	340.000	-918.000	320.000	0.000	0	0	0	0	0	0
22	370.000	0.000	320.000	0.000	0	0	0	0	0	0
23	340.000	-1094.000	320.000	0.000	0	0	0	0	0	0
24	340.000	-968.000	320.000	0.000	0	0	0	0	0	0
25	170.000	-1505.333	320.000	0.000	0	0	0	0	0	0
26	170.000	-1299.667	320.000	0.000	0	0	0	0	0	0
27	170.000	-1711.000	320.000	0.000	0	0	0	0	0	0
28	170.000	-1094.000	320.000	0.000	0	0	0	0	0	0
29	340.000	-1711.000	320.000	0.000	0	0	0	0	0	0
30	340.000	-1876.000	320.000	0.000	0	0	0	0	0	0
31	-222.000	-280.000	0.000	0.000	0	0	0	0	0	0
32	-222.000	-280.000	320.000	0.000	0	0	0	0	0	0
33	-292.000	-298.000	0.000	0.000	0	0	0	0	0	0
34	-292.000	-298.000	320.000	0.000	0	0	0	0	0	0
35	-292.000	-464.000	0.000	0.000	0	0	0	0	0	0
36	-292.000	-464.000	320.000	0.000	0	0	0	0	0	0
37	-292.000	-630.000	0.000	0.000	0	0	0	0	0	0
38	-292.000	-630.000	320.000	0.000	0	0	0	0	0	0
39	-222.000	-648.000	0.000	0.000	0	0	0	0	0	0
40	-222.000	-648.000	320.000	0.000	0	0	0	0	0	0
41	-195.000	-464.000	0.000	0.000	0	0	0	0	0	0
42	-195.000	-464.000	320.000	0.000	0	0	0	0	0	0
43	-437.000	-263.000	320.000	0.000	0	0	0	0	0	0
44	-437.000	-464.000	320.000	0.000	0	0	0	0	0	0
45	-437.000	-665.000	320.000	0.000	0	0	0	0	0	0
46	0.000	0.000	620.000	0.000	0	0	0	0	0	0
47	0.000	-918.000	620.000	0.000	0	0	0	0	0	0
48	0.000	-968.000	620.000	0.000	0	0	0	0	0	0

49	0.000	-1876.000	620.000	0.000	0	0	0	0	0	0
50	-222.000	-280.000	620.000	0.000	0	0	0	0	0	0
51	0.000	-464.000	620.000	0.000	0	0	0	0	0	0
52	0.000	-534.000	620.000	0.000	0	0	0	0	0	0
53	0.000	-394.000	620.000	0.000	0	0	0	0	0	0
54	-222.000	-648.000	620.000	0.000	0	0	0	0	0	0
55	-195.000	-464.000	620.000	0.000	0	0	0	0	0	0
56	-222.000	-648.000	590.000	0.000	0	0	0	0	0	0
57	-245.000	-394.000	620.000	0.000	0	0	0	0	0	0
58	-245.000	-534.000	620.000	0.000	0	0	0	0	0	0
59	-245.000	-298.000	575.000	0.000	0	0	0	0	0	0
60	-245.000	-298.000	655.000	0.000	0	0	0	0	0	0
61	-245.000	-630.000	655.000	0.000	0	0	0	0	0	0
62	-245.000	-464.000	655.000	0.000	0	0	0	0	0	0
63	-292.000	-263.000	320.000	0.000	0	0	0	0	0	0
64	-292.000	-665.000	320.000	0.000	0	0	0	0	0	0
65	-245.000	-464.000	620.000	0.000	0	0	0	0	0	0
66	-245.000	-630.000	620.000	0.000	0	0	0	0	0	0
67	-245.000	-298.000	620.000	0.000	0	0	0	0	0	0
68	-222.000	-280.000	590.000	0.000	0	0	0	0	0	0
69	370.000	0.000	620.000	0.000	0	0	0	0	0	0
70	0.000	-183.600	620.000	0.000	0	0	0	0	0	0
71	0.000	-367.200	620.000	0.000	0	0	0	0	0	0
72	0.000	-550.800	620.000	0.000	0	0	0	0	0	0
73	0.000	-734.400	620.000	0.000	0	0	0	0	0	0
74	-245.000	-464.000	575.000	0.000	0	0	0	0	0	0
75	-245.000	-630.000	575.000	0.000	0	0	0	0	0	0
76	370.000	-183.600	620.000	0.000	0	0	0	0	0	0
77	370.000	-367.200	620.000	0.000	0	0	0	0	0	0
78	370.000	-550.800	620.000	0.000	0	0	0	0	0	0
79	370.000	-734.400	620.000	0.000	0	0	0	0	0	0
80	255.000	-968.000	770.000	0.000	0	0	0	0	0	0
81	0.000	0.000	920.000	0.000	0	0	0	0	0	0
82	0.000	-918.000	920.000	0.000	0	0	0	0	0	0
83	150.000	0.000	920.000	0.000	0	0	0	0	0	0
84	-150.000	0.000	920.000	0.000	0	0	0	0	0	0
85	340.000	-918.000	1055.000	0.000	0	0	0	0	0	0
86	340.000	-968.000	1055.000	0.000	0	0	0	0	0	0
87	0.000	-968.000	920.000	0.000	0	0	0	0	0	0
88	-195.000	-464.000	975.000	0.000	0	0	0	0	0	0
89	-222.000	-648.000	975.000	0.000	0	0	0	0	0	0
90	-222.000	-280.000	975.000	0.000	0	0	0	0	0	0
91	-222.000	-593.000	975.000	0.000	0	0	0	0	0	0
92	-222.000	-335.000	975.000	0.000	0	0	0	0	0	0
93	-222.000	-335.000	1008.000	0.000	0	0	0	0	0	0
94	-222.000	-593.000	1008.000	0.000	0	0	0	0	0	0
95	-47.000	-593.000	1160.000	0.000	0	0	0	0	0	0
96	-47.000	-335.000	1160.000	0.000	0	0	0	0	0	0
97	-47.000	-335.000	1210.000	0.000	0	0	0	0	0	0
98	-47.000	-593.000	1210.000	0.000	0	0	0	0	0	0
99	-47.000	0.000	1210.000	0.000	0	0	0	0	0	0
100	-47.000	-918.000	1210.000	0.000	0	0	0	0	0	0
101	-163.667	-593.000	1058.667	0.000	0	0	0	0	0	0
102	-105.333	-593.000	1109.333	0.000	0	0	0	0	0	0
103	-163.667	-335.000	1058.667	0.000	0	0	0	0	0	0
104	-105.333	-335.000	1109.333	0.000	0	0	0	0	0	0
105	-105.333	-918.000	1109.333	0.000	0	0	0	0	0	0
106	-163.667	-918.000	1058.667	0.000	0	0	0	0	0	0
107	-105.333	0.000	1109.333	0.000	0	0	0	0	0	0
108	-163.667	0.000	1058.667	0.000	0	0	0	0	0	0
109	170.000	-1628.167	320.000	0.000	0	0	0	0	0	0
110	170.000	-1094.000	20.000	0.000	0	0	0	0	0	0
111	170.000	-1402.500	170.000	0.000	0	0	0	0	0	0
112	170.000	-1462.500	170.000	0.000	0	0	0	0	0	0
113	170.000	-1342.500	170.000	0.000	0	0	0	0	0	0
114	170.000	-1176.833	70.000	0.000	0	0	0	0	0	0
115	170.000	-1259.667	120.000	0.000	0	0	0	0	0	0
116	170.000	-1628.167	270.000	0.000	0	0	0	0	0	0
117	170.000	-1545.333	220.000	0.000	0	0	0	0	0	0
118	170.000	-1176.833	320.000	0.000	0	0	0	0	0	0
119	170.000	-1259.667	320.000	0.000	0	0	0	0	0	0
120	170.000	-1402.500	320.000	0.000	0	0	0	0	0	0
121	170.000	-1545.333	320.000	0.000	0	0	0	0	0	0
122	170.000	-1402.500	470.000	0.000	0	0	0	0	0	0
123	170.000	-1402.500	620.000	0.000	0	0	0	0	0	0
124	170.000	-1259.667	420.000	0.000	0	0	0	0	0	0
125	170.000	-1259.667	620.000	0.000	0	0	0	0	0	0
126	170.000	-1176.833	370.000	0.000	0	0	0	0	0	0
127	170.000	-1176.833	620.000	0.000	0	0	0	0	0	0
128	170.000	-1628.167	570.000	0.000	0	0	0	0	0	0
129	170.000	-1628.167	620.000	0.000	0	0	0	0	0	0
130	170.000	-1545.333	520.000	0.000	0	0	0	0	0	0

131	170.000	-1545.333	620.000	0.000	0	0	0	0	0	0
132	170.000	-1711.000	620.000	0.000	0	0	0	0	0	0
133	170.000	-968.000	620.000	0.000	0	0	0	0	0	0
134	170.000	-1462.500	470.000	0.000	0	0	0	0	0	0
135	170.000	-1342.500	470.000	0.000	0	0	0	0	0	0
136	170.000	-1876.000	620.000	0.000	0	0	0	0	0	0
137	170.000	-1094.000	620.000	0.000	0	0	0	0	0	0
138	0.000	-1711.000	620.000	0.000	0	0	0	0	0	0
139	340.000	-1711.000	620.000	0.000	0	0	0	0	0	0
140	340.000	-1094.000	620.000	0.000	0	0	0	0	0	0
141	0.000	-1094.000	620.000	0.000	0	0	0	0	0	0
142	170.000	-1876.000	320.000	0.000	0	0	0	0	0	0
143	170.000	-968.000	320.000	0.000	0	0	0	0	0	0
144	170.000	-1402.500	145.577	0.000	0	0	0	0	0	0
145	170.000	-1259.670	87.437	0.000	0	0	0	0	0	0
146	170.000	-1176.830	53.716	0.000	0	0	0	0	0	0
147	170.000	-1402.500	445.577	0.000	0	0	0	0	0	0
148	170.000	-1259.670	387.437	0.000	0	0	0	0	0	0
149	170.000	-1176.830	353.716	0.000	0	0	0	0	0	0
150	340.000	-968.000	0.000	0.000	1	1	0	0	0	1
151	340.000	-918.000	0.000	0.000	1	1	0	0	0	1
152	170.000	-918.000	0.000	0.000	1	1	0	0	0	1
153	170.000	-918.000	320.000	0.000	0	0	0	0	0	0
154	170.000	-968.000	0.000	0.000	1	1	0	0	0	1
155	170.000	-918.000	620.000	0.000	0	0	0	0	0	0
156	255.000	-968.000	160.000	0.000	0	0	0	0	0	0
157	340.000	-918.000	620.000	0.000	0	0	0	0	0	0
158	340.000	-968.000	620.000	0.000	0	0	0	0	0	0
159	255.000	-918.000	160.000	0.000	0	0	0	0	0	0
160	255.000	-918.000	470.000	0.000	0	0	0	0	0	0
161	255.000	-968.000	470.000	0.000	0	0	0	0	0	0
162	170.000	-968.000	920.000	0.000	0	0	0	0	0	0
163	255.000	-918.000	770.000	0.000	0	0	0	0	0	0
164	170.000	-918.000	920.000	0.000	0	0	0	0	0	0
165	340.000	-918.000	920.000	0.000	0	0	0	0	0	0
166	340.000	-968.000	920.000	0.000	0	0	0	0	0	0
167	-205.000	-918.000	620.000	0.000	0	0	0	0	0	0
168	-205.000	-918.000	920.000	0.000	0	0	0	0	0	0
169	-205.000	-968.000	620.000	0.000	0	0	0	0	0	0
170	-205.000	-968.000	920.000	0.000	0	0	0	0	0	0
171	-205.000	-918.000	320.000	0.000	0	0	0	0	0	0
172	-205.000	-968.000	320.000	0.000	0	0	0	0	0	0
173	-205.000	-918.000	0.000	0.000	1	1	0	0	0	1
174	-205.000	-968.000	0.000	0.000	1	1	0	0	0	1
175	170.000	-918.000	1120.000	0.000	0	0	0	0	0	0
176	170.000	-968.000	1120.000	0.000	0	0	0	0	0	0
177	270.702	-968.000	1001.528	0.000	0	0	0	0	0	0
178	270.702	-918.000	1001.528	0.000	0	0	0	0	0	0
179	340.000	-1876.000	620.000	0.000	0	0	0	0	0	0
180	-205.000	-1094.000	620.000	0.000	0	0	0	0	0	0
181	-205.000	-1711.000	620.000	0.000	0	0	0	0	0	0
182	-205.000	-1876.000	620.000	0.000	0	0	0	0	0	0
183	-222.000	-464.000	975.000	0.000	0	0	0	0	0	0

MATERIALI UTILIZZATI

mater.	descrizione	mod.elast	c.Poisson	peso unit.	dil.term					
3	Ang.beta	mod.elast 2	mod.elast 3	c.Poisson 2	c.Poisson 3	mod.taglio	dil.term 2	dil.term		
1	Acciaio	+2.10e+006	0.300	0.00785	+1.20e-005	--	--	--	--	--
2	pr	+2.00e+005	0.120	0.00000	+1.00e-005	--	--	--	--	--

SEZIONI

sez.	tipo	B	H	s	t					
17	Rc	15.000	12.000	1.200	1.200					
sez.	tipo	D								
13	Cp	3.000								
sez.	tipo	Ax	Ay	Az	Ix	Iy	Iz			
1	Ge	+1.09e+002	+0.00e+000	+0.00e+000	+3.48e+004	+1.78e+003	+3.30e+004	MONTANTE		
2	Ge	+1.22e+002	+0.00e+000	+0.00e+000	+2.52e+004	+2.28e+003	+2.29e+004	HEB200 + UPN240		
sez.	tipo	Codice	Profilato	Asse	y	capovolto				

3	Ps	HEB 120	No
4	Ps	HEB 200	Si
5	Ps	IPE 400	No
6	Ps	IPE 300	No
7	Ps	IPE 500	No
8	Ps	HEB 260	No
9	Ps	HEB 160	No
10	Ps	IPE 300	No
11	Ps	IPE 220	No
12	Ps	HEB 100	No
15	Ps	HEB 120	No
16	Ps	IPE 600	No
18	Ps	HEB 200	No
19	Ps	UNP 200	No
20	Ps	HEB 220	No

sez. tipo	Altezza	Base	Spessore anima	Spessore ali	pos.
14 L.	30.000	20.000	1.000	1.000	2

CARICHI IN LUCE							
car. tipo	descrizione	val.iniz.	dist.nodo i	val.fin.	dist.nodo i	aliq.inerz.	
1 fZ	Permanente	-1.000000	0.000	-1.000000	L	1.0000	

ELEMENTO FINITO TRAVE GRUPPO N.1
TRAVI

asta	ni	nj	nk	sv i	sv j	mat	sez	cond carico nei casi base					
								(1)	(2)	(3)	(4)	(5)	
1	4	153	0	000000	000000	1	6	A:	6.6				
2	12	17	0	000000	000000	1	3	A:	13.2				
3	11	18	0	000000	000000	1	3	A:	13.2				
4	10	19	0	000000	000000	1	3	A:	13.2				
5	9	20	0	000000	000000	1	3	A:	13.2				
6	28	23	0	000000	000000	1	6	A:	4.6				
7	6	143	0	000000	000000	1	6	A:	4.6				
8	15	26	0	000000	000000	1	3	A:	14.2				
9	16	25	0	000000	000000	1	3	A:	14.2				
10	14	27	0	000000	000000	1	6	A:	19.6				
11	27	29	0	000000	000000	1	6	A:	12.5				
12	142	30	0	000000	000000	1	3	A:	12.5				
13	25	120	0	000000	000000	1	6	A:	3.3				
14	8	14	0	000000	000000	1	2	A:					
15	14	16	0	000000	000000	1	2	A:					
16	16	15	0	000000	000000	1	2	A:					
17	15	13	0	000000	000000	1	2	A:					
18	13	6	0	000000	000000	1	2	A:					
19	6	4	0	000000	000000	1	2	A:					
20	4	12	0	000000	000000	1	2	A:					
21	12	11	0	000000	000000	1	2	A:					
22	11	10	0	000000	000000	1	2	A:					
23	10	9	0	000000	000000	1	2	A:					
24	9	2	0	000000	000000	1	2	A:					
25	2	22	0	000000	000000	1	3	A:	6.6				
26	13	28	0	000000	000000	1	6	A:	11.7				
27	118	28	0	000000	000000	1	6	A:	3.3				
28	36	38	0	000000	000000	1	11	A:					
29	34	36	0	000000	000000	1	11	A:					
30	43	44	0	000000	000000	1	11	A:					
31	44	45	0	000000	000000	1	11	A:					
32	34	63	0	000000	000000	1	11	A:					
33	38	64	0	000000	000000	1	11	A:					
34	43	63	0	000000	000000	1	10	A:					
35	45	64	0	000000	000000	1	10	A:					
36	36	44	0	000000	000000	1	11	A:					
37	26	119	0	000000	000000	1	6	A:	3.3				
38	119	118	0	000000	000000	1	6	A:	3.3				
39	120	26	0	000000	000000	1	6	A:	3.3				
40	110	114	0	000000	000000	1	17	A:	5.15				
41	114	115	0	000000	000000	1	17	A:	5.15				
42	115	113	0	000000	000000	1	17	A:	5.15				
43	113	111	0	000000	000000	1	17	A:	5.15				
44	111	112	0	000000	000000	1	17	A:	5.15				
45	112	117	0	000000	000000	1	17	A:	5.15				
46	117	116	0	000000	000000	1	17	A:	5.15				
47	116	27	0	000000	000000	1	17	A:	5.15				
48	25	121	0	000000	000000	1	6	A:					
49	121	109	0	000000	000000	1	6	A:					
50	109	27	0	000000	000000	1	6	A:					
51	128	132	0	000000	000000	1	17	A:	5.15				
52	130	128	0	000000	000000	1	17	A:	5.15				

53	134	130	0	000000	000000	1	17	A:	5.15
54	122	134	0	000000	000000	1	17	A:	5.15
55	135	122	0	000000	000000	1	17	A:	5.15
56	124	135	0	000000	000000	1	17	A:	5.15
57	126	124	0	000000	000000	1	17	A:	5.15
58	28	126	0	000000	000000	1	17	A:	5.15
59	8	142	0	000000	000000	1	3	A:	12.5
60	27	142	0	000000	000000	1	10	A:	
61	143	24	0	000000	000000	1	6	A:	4.6
62	28	143	0	000000	000000	1	15	A:	
63	153	21	0	000000	000000	1	6	A:	6.6
64	73	79	0	000000	000000	1	3	A:	13.2

**ELEMENTO FINITO TRAVE GRUPPO N.2
MONTANTI**

asta	ni	nj	nk	sv i	sv j	mat	sez		cond	carico	nei	casi	base
									(1)	(2)	(3)	(4)	(5)
1	7	8	0	000000	000000	1	1	A:					
2	5	6	0	000000	000000	1	1	A:					
3	3	4	0	000000	000000	1	1	A:					
4	1	2	0	000000	000000	1	1	A:					
5	31	32	0	000000	000000	1	4	A:					
6	33	34	0	000000	000000	1	4	A:					
7	35	36	0	000000	000000	1	4	A:					
8	37	38	0	000000	000000	1	4	A:					
9	39	40	0	000000	000000	1	4	A:					
10	41	42	0	000000	000000	1	4	A:					
11	150	24	0	000000	000000	1	18	A:					
12	151	21	0	000000	000000	1	18	A:					
13	152	153	0	000000	000000	1	18	A:					
14	154	143	0	000000	000000	1	18	A:					
15	173	171	0	000000	000000	1	18	A:					
16	174	172	0	000000	000000	1	18	A:					

**ELEMENTO FINITO TRAVE GRUPPO N.3
003**

asta	ni	nj	nk	sv i	sv j	mat	sez		cond	carico	nei	casi	base
									(1)	(2)	(3)	(4)	(5)
1	8	49	0	000000	000000	1	1	A:					
2	6	48	0	000000	000000	1	1	A:					
3	4	47	0	000000	000000	1	1	A:					
4	2	46	0	000000	000000	1	1	A:					
5	32	68	0	000000	000000	1	4	A:					
6	40	56	0	000000	000000	1	4	A:					
7	42	55	0	000000	000000	1	4	A:					
8	36	74	0	000000	000000	1	4	A:					
9	38	75	0	000000	000000	1	4	A:					
10	34	59	0	000000	000000	1	4	A:					
11	59	67	0	000000	000000	1	4	A:					
12	74	65	0	000000	000000	1	4	A:					
13	75	66	0	000000	000000	1	4	A:					
14	67	60	0	000000	000000	1	4	A:					
15	65	62	0	000000	000000	1	4	A:					
16	66	61	0	000000	000000	1	4	A:					
17	67	57	0	000000	000000	1	8	A:					
18	58	66	0	000000	000000	1	8	A:					
19	56	54	0	000000	000000	1	4	A:					
20	68	50	0	000000	000000	1	4	A:					
21	68	56	0	000000	000000	1	8	A:					
22	57	65	0	000000	000000	1	8	A:					
23	65	58	0	000000	000000	1	8	A:					
24	153	155	0	000000	000000	1	18	A:					
25	143	133	0	000000	000000	1	18	A:					
26	21	157	0	000000	000000	1	18	A:					
27	24	158	0	000000	000000	1	18	A:					
28	171	167	0	000000	000000	1	18	A:					
29	172	169	0	000000	000000	1	18	A:					

**ELEMENTO FINITO TRAVE GRUPPO N.4
004**

asta	ni	nj	nk	sv i	sv j	mat	sez		cond	carico	nei	casi	base
									(1)	(2)	(3)	(4)	(5)
1	155	157	0	000000	000000	1	6	A:	6.6				
2	73	79	0	000000	000000	1	3	A:	13.2				
3	72	78	0	000000	000000	1	3	A:	13.2				
4	71	77	0	000000	000000	1	3	A:	13.2				

5	70	76	0	000000	000000	1	3	A:	13.2
6	48	47	0	000000	000000	1	5	A:	
7	47	73	0	000000	000000	1	5	A:	
8	73	72	0	000000	000000	1	5	A:	
9	51	53	0	000000	000000	1	5	A:	
10	71	70	0	000000	000000	1	5	A:	
11	70	46	0	000000	000000	1	5	A:	
12	46	69	0	000000	000000	1	3	A:	6.6
13	72	52	0	000000	000000	1	5	A:	
14	55	51	0	000000	000000	1	5	A:	5.25
15	52	51	0	000000	000000	1	5	A:	
16	53	71	0	000000	000000	1	5	A:	
17	57	53	0	000000	000000	1	5	A:	5.25
18	58	52	0	000000	000000	1	5	A:	5.25
19	125	123	0	000000	000000	1	14	A:	8.1
20	123	131	0	000000	000000	1	14	A:	8.1
21	137	133	0	000000	000000	1	15	A:	20.74
22	132	136	0	000000	000000	1	15	A:	20.74
23	141	137	0	000000	000000	1	6	A:	11.7
24	129	132	0	000000	000000	1	14	A:	8.1
25	131	129	0	000000	000000	1	14	A:	8.1
26	127	125	0	000000	000000	1	14	A:	8.1
27	137	127	0	000000	000000	1	14	A:	8.1
28	137	140	0	000000	000000	1	6	A:	4.6
29	132	139	0	000000	000000	1	6	A:	12.5
30	138	132	0	000000	000000	1	6	A:	19.6
31	47	155	0	000000	000000	1	6	A:	6.6
32	158	133	0	000000	000000	1	6	A:	
33	133	48	0	000000	000000	1	6	A:	
34	47	167	0	000000	000000	1	6	A:	
35	48	169	0	000000	000000	1	6	A:	
36	180	141	0	000000	000000	1	6	A:	
37	181	138	0	000000	000000	1	6	A:	
38	24	21	0	000000	000000	1	19	A:	
39	158	157	0	000000	000000	1	19	A:	
40	166	165	0	000000	000000	1	19	A:	
41	86	85	0	000000	000000	1	19	A:	
42	176	175	0	000000	000000	1	19	A:	
43	162	164	0	000000	000000	1	19	A:	
44	133	155	0	000000	000000	1	19	A:	
45	143	153	0	000000	000000	1	19	A:	

**ELEMENTO FINITO TRAVE GRUPPO N.5
005**

asta	ni	nj	nk	sv i	sv j	mat	sez	A:	cond carico nei casi base				
									(1)	(2)	(3)	(4)	(5)
1	47	82	0	000000	000000	1	1	A:					
2	46	81	0	000000	000000	1	1	A:					
3	48	87	0	000000	000000	1	1	A:					
4	50	90	0	000000	000000	1	4	A:					
5	55	88	0	000000	000000	1	4	A:					
6	54	89	0	000000	000000	1	4	A:					
7	183	92	0	000000	000000	1	8	A:					
8	89	91	0	000000	000000	1	8	A:					
9	92	90	0	000000	000000	1	8	A:					
10	92	93	0	000000	000000	1	9	A:					
11	91	94	0	000000	000000	1	9	A:					
12	104	96	0	000000	000000	1	9	A:					
13	96	97	0	000000	000000	1	9	A:					
14	102	95	0	000000	000000	1	9	A:					
15	95	98	0	000000	000000	1	9	A:					
16	100	98	0	000000	000000	1	9	A:					
17	98	97	0	000000	000000	1	9	A:					
18	97	99	0	000000	000000	1	9	A:					
19	93	103	0	000000	000000	1	9	A:					
20	103	104	0	000000	000000	1	9	A:					
21	94	101	0	000000	000000	1	9	A:					
22	101	102	0	000000	000000	1	9	A:					
23	104	102	0	000000	000000	1	12	A:					
24	103	101	0	000000	000000	1	12	A:					
25	104	107	0	000000	000000	1	12	A:					
26	103	108	0	000000	000000	1	12	A:					
27	101	106	0	000000	000000	1	12	A:					
28	102	105	0	000000	000000	1	12	A:					
29	157	165	0	000000	000000	1	18	A:					
30	158	166	0	000000	000000	1	18	A:					
31	133	162	0	000000	000000	1	18	A:					
32	155	164	0	000000	000000	1	18	A:					
33	167	168	0	000000	000000	1	18	A:					
34	169	170	0	000000	000000	1	18	A:					

35	166	86	0	000000	000000	1	18	A:
36	165	85	0	000000	000000	1	18	A:
37	164	175	0	000000	000000	1	18	A:
38	162	176	0	000000	000000	1	18	A:
39	86	176	0	000000	000000	1	18	A:
40	85	175	0	000000	000000	1	18	A:
41	91	183	0	000000	000000	1	8	A:
42	88	183	0	000000	000000	1	8	A:

ELEMENTO FINITO TRAVE GRUPPO N.6
vetro

asta	ni	nj	nk	sv i	sv j	mat	sez	A:	cond carico nei casi base				
									(1)	(2)	(3)	(4)	(5)
1	114	118	0	000000	000000	1	13	A:					
2	115	119	0	000000	000000	1	13	A:					
3	111	120	0	000000	000000	1	13	A:					
4	122	123	0	000000	000000	1	13	A:					
5	124	125	0	000000	000000	1	13	A:					
6	126	127	0	000000	000000	1	13	A:					
7	118	149	0	000000	000000	1	13	A:					
8	119	148	0	000000	000000	1	13	A:					
9	120	147	0	000000	000000	1	13	A:					
10	121	130	0	000000	000000	1	13	A:					
11	109	128	0	000000	000000	1	13	A:					
12	130	131	0	000000	000000	1	13	A:					
13	128	129	0	000000	000000	1	13	A:					
14	116	109	0	000000	000000	1	13	A:					
15	117	121	0	000000	000000	1	13	A:					
16	144	111	0	000000	000000	1	13	A:					
17	145	115	0	000000	000000	1	13	A:					
18	146	114	0	000000	000000	1	13	A:					
19	147	122	0	000000	000000	1	13	A:					
20	148	124	0	000000	000000	1	13	A:					
21	149	126	0	000000	000000	1	13	A:					

ELEMENTO FINITO TRAVE GRUPPO N.7
controvento

asta	ni	nj	nk	sv i	sv j	mat	sez	A:	cond carico nei casi base				
									(1)	(2)	(3)	(4)	(5)
1	156	143	0	000000	000000	1	19	A:					
2	151	159	0	000000	000000	1	19	A:					
3	159	153	0	000000	000000	1	19	A:					
4	150	156	0	000000	000000	1	19	A:					
5	154	156	0	000000	000000	1	19	A:					
6	156	24	0	000000	000000	1	19	A:					
7	152	159	0	000000	000000	1	19	A:					
8	159	21	0	000000	000000	1	19	A:					
9	143	161	0	000000	000000	1	19	A:					
10	161	158	0	000000	000000	1	19	A:					
11	153	160	0	000000	000000	1	19	A:					
12	160	157	0	000000	000000	1	19	A:					
13	21	160	0	000000	000000	1	19	A:					
14	160	155	0	000000	000000	1	19	A:					
15	24	161	0	000000	000000	1	19	A:					
16	161	133	0	000000	000000	1	19	A:					
17	80	162	0	000000	000000	1	19	A:					
18	158	80	0	000000	000000	1	19	A:					
19	163	164	0	000000	000000	1	19	A:					
20	157	163	0	000000	000000	1	19	A:					
21	163	165	0	000000	000000	1	19	A:					
22	155	163	0	000000	000000	1	19	A:					
23	80	166	0	000000	000000	1	19	A:					
24	133	80	0	000000	000000	1	19	A:					
25	178	175	0	000000	000000	1	19	A:					
26	165	178	0	000000	000000	1	19	A:					
27	178	85	0	000000	000000	1	19	A:					
28	164	178	0	000000	000000	1	19	A:					
29	177	176	0	000000	000000	1	19	A:					
30	166	177	0	000000	000000	1	19	A:					
31	177	86	0	000000	000000	1	19	A:					
32	162	177	0	000000	000000	1	19	A:					

ELEMENTO FINITO TRAVE GRUPPO N.8
gfd

asta	ni	nj	nk	sv i	sv j	mat	sez	A:	cond carico nei casi base				
									(1)	(2)	(3)	(4)	(5)

1	166	162	0	000000	000000	1	6	A:	
2	164	165	0	000000	000000	1	6	A:	6.6
3	81	83	0	000000	000000	1	5	A:	
4	84	81	0	000000	000000	1	5	A:	
5	164	82	0	000000	000000	1	6	A:	
6	162	87	0	000000	000000	1	6	A:	
7	87	170	0	000000	000000	1	6	A:	
8	82	168	0	000000	000000	1	6	A:	

ELEMENTO FINITO TRAVE DI FONDAZIONE GRUPPO N.1
df

asta base	ni	nj	nk	sv i	sv j	mat sez	car suolo	larg impronta	num aste	cond carico nei casi
(5)										(1) (2) (3) (4)
1	174	5	0	000000	000000	1	20	+1.00e+001	22.000	5 A:
2	5	154	0	000000	000000	1	20	+1.00e+001	22.000	5 A:
3	154	150	0	000000	000000	1	20	+1.00e+001	22.000	5 A:
4	173	3	0	000000	000000	1	20	+1.00e+001	22.000	5 A:
5	3	152	0	000000	000000	1	20	+1.00e+001	22.000	5 A:
6	152	151	0	000000	000000	1	20	+1.00e+001	22.000	5 A:

ELEMENTO FINITO VINCOLO GRUPPO N.1
D

nod	tr/rot X	rigid	tr/rot Y	rigid	tr/rot Z	rigid
1	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
7	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
17	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
18	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
19	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
20	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
22	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
23	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
29	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
30	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
31	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
33	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
35	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
37	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
39	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
41	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
49	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
69	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
76	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
77	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
78	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
79	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
110	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
136	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
139	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
140	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
179	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000

180	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
181	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
182	+0.00e+000	+0.00e+000	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000

ELEMENTO FINITO VINCOLO GRUPPO N.2
002

nod0	tr/rot X	rigid	tr/rot Y	rigid	tr/rot Z	rigid
99	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
100	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
105	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
106	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
107	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
108	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010	+0.00e+000	+1.00e+010
	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000

ELEMENTO FINITO GUSCIO GRUPPO N.1
piano rigido

Elem. T	ni	nj	nk	nl	vinc.	press1	al.din.	press2	al.din.	press3	al.din.	press4	al.din.	spess.	mat.	
						fx	al.din	fy	al.din	fz	al.din					
0.0	1	138	132	137	141	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	20.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	2	141	137	133	48	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	20.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	3	137	140	158	133	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	20.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	4	49	136	132	138	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	20.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	5	136	179	139	132	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	20.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	6	180	141	48	169	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	20.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	7	181	138	141	180	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	20.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	8	182	49	138	181	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	20.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	9	30	29	27	142	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	10.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	10	142	27	14	8	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	10.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	11	27	25	16	14	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	10.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	12	25	26	15	16	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	10.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	13	26	28	13	15	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	10.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	14	28	143	6	13	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	10.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	15	23	24	143	28	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	10.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	16	24	21	153	143	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	10.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				
0.0	17	143	153	4	6	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.00	10.00	2	
0.0	0.0							0.00	0.00	0.00	0.00	0.00				

0.0	18	17	18	11	12	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	10.00	2
							0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	10.00	2
0.0	19	18	19	10	11	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	10.00	2
							0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	10.00	2
0.0	20	19	20	9	10	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	10.00	2
							0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	10.00	2
0.0	21	20	22	2	9	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	10.00	2
							0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	10.00	2
0.0	22	76	69	46	70	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	10.00	2
							0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	10.00	2
0.0	23	77	76	70	71	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	10.00	2
							0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	10.00	2
0.0	24	78	77	71	72	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	10.00	2
							0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	10.00	2
0.0	25	79	78	72	73	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	10.00	2
							0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	10.00	2
0.0	26	21	17	12	4	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	10.00	2
							0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	10.00	2
0.0	27	157	79	73	47	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	10.00	2
							0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	10.00	2
0.0	28	158	157	155	133	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	10.00	2
							0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	10.00	2
0.0	29	133	155	47	48	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	10.00	2
							0.00	0.00	0.00	0.00	0.00	0.00	0.0000	0.00	10.00	2
							0.00	0.00	0.00	0.00	0.00	0.00				

ALIQUOTE DI GRUPPO PER ELEMENTO FINITO TRAVE

ng descrizione gruppo

- 1 TRAVI
- 2 MONTANTI
- 3 003
- 4 004
- 5 005
- 6 vetro
- 7 controvento
- 8 gfd

ALIQUOTE DI GRUPPO PER ELEMENTO FINITO VINCOLO

ng descrizione gruppo

- 1 D
 Multipl. delle deform. caso base A: 0.000 B: 0.000 C: 0.000 D: 0.000
 E: 0.000 F: 0.000 G: 0.000 H: 0.000
- 2 002
 Multipl. delle deform. caso base A: 0.000 B: 0.000 C: 0.000 D: 0.000
 E: 0.000 F: 0.000 G: 0.000 H: 0.000

ALIQUOTE DI GRUPPO PER ELEMENTO FINITO GUSCIO

ng descrizione gruppo

- 1 piano rigido
 Aliq. inerz. direz. X, caso base A: 0.000 B: 0.000 C: 0.000 D: 0.000
 E: 0.000 F: 0.000 G: 0.000 H: 0.000
 Aliq. inerz. direz. Y, caso base A: 0.000 B: 0.000 C: 0.000 D: 0.000
 E: 0.000 F: 0.000 G: 0.000 H: 0.000
 Aliq. inerz. direz. Z, caso base A: -1.000 B: 0.000 C: 0.000 D: 0.000
 E: 0.000 F: 0.000 G: 0.000 H: 0.000
 Aliq. carico termico, caso base A: 0.000 B: 0.000 C: 0.000 D: 0.000
 E: 0.000 F: 0.000 G: 0.000 H: 0.000
 Aliquota pressione, caso base A: 1.000 B: 0.000 C: 0.000 D: 0.000
 E: 0.000 F: 0.000 G: 0.000 H: 0.000

Aliquota pressione,	caso base	A: 1.000	B: 0.000	C: 0.000	D: 0.000	E: 0.000	F: 0.000	G: 0.000	H: 0.000
Aliquota pressione,	caso base	A: 1.000	B: 0.000	C: 0.000	D: 0.000	E: 0.000	F: 0.000	G: 0.000	H: 0.000
Aliquota pressione,	caso base	A: 1.000	B: 0.000	C: 0.000	D: 0.000	E: 0.000	F: 0.000	G: 0.000	H: 0.000
Aliquota carico fX,	caso base	A: 0.000	B: 0.000	C: 0.000	D: 0.000	E: 0.000	F: 0.000	G: 0.000	H: 0.000
Aliquota carico fY,	caso base	A: 0.000	B: 0.000	C: 0.000	D: 0.000	E: 0.000	F: 0.000	G: 0.000	H: 0.000
Aliquota carico fZ,	caso base	A: 0.000	B: 0.000	C: 0.000	D: 0.000	E: 0.000	F: 0.000	G: 0.000	H: 0.000

ALIQUOTE COMBINAZIONI DI CARICO

C.C. descrizione

1 carichi totali	-----	A: 1.00	B: 1.00	C: 0.00	D: 0.00	E: 0.00	F: 0.00	G: 0.00	H: 0.00
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C.C. 1 carichi totali

nodo	FX	FY	FZ	MX	MY	MZ
21	-1.24e+004	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
24	-1.24e+004	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
165	-2.15e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
166	-2.15e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000

SPOSTAMENTI / ROTAZIONI NODI NON BLOCCATI C.C. 1

N NODO	TRASLAZ. X	TRASLAZ. Y	TRASLAZ. Z	ROTAZIONE X	ROTAZIONE Y	ROTAZIONE Z
1	-1.05e-007	+4.15e-008	-1.57e-006	-1.88e-003	-2.54e-003	+8.18e-006
2	-7.29e-001	-4.54e-003	-2.16e-002	+3.81e-003	-1.76e-003	+8.18e-006
3	+0.00e+000	+0.00e+000	-3.24e-001	+8.43e-004	-1.58e-003	+0.00e+000
4	-7.10e-001	-6.67e-003	-3.42e-001	-1.65e-003	-1.97e-003	+1.41e-005
5	+0.00e+000	+0.00e+000	-2.67e-001	+3.82e-004	-1.44e-003	+0.00e+000
6	-7.10e-001	-6.62e-003	-2.82e-001	-6.95e-004	-1.95e-003	-1.22e+005
7	-7.48e-008	-2.82e-008	-3.35e-007	+1.31e-003	-2.47e-003	-8.99e-006
8	-7.32e-001	-8.24e-003	-4.48e-003	-2.55e-003	-1.92e-003	-8.99e-006
9	-7.26e-001	-5.09e-003	-7.56e-001	+3.77e-003	-5.17e-004	+1.67e-005
10	-7.23e-001	-5.57e-003	-1.25e+000	+1.45e-003	-3.04e-004	+1.65e-005
11	-7.20e-001	-5.99e-003	-1.25e+000	-1.38e-003	-3.69e-004	+1.46e-005
12	-7.17e-001	-6.34e-003	-8.25e-001	-3.01e-003	-6.97e-004	+3.11e-005
13	-7.11e-001	-6.05e-003	-3.25e-001	+1.10e-003	-8.48e-004	-6.40e-006
14	-7.32e-001	-7.27e-003	-4.33e-001	-2.30e-003	-6.54e-004	-6.19e-006
15	-7.16e-001	-5.47e-003	-6.16e-001	+1.29e-003	-1.15e-004	-3.83e-005
16	-7.25e-001	-5.87e-003	-7.23e-001	-4.25e-004	-6.41e-005	-4.38e-005
17	-7.17e-001	-2.27e-008	-5.28e-008	-1.79e-003	-4.51e-003	+1.02e-005
18	-7.20e-001	+2.47e-008	-3.19e-007	+2.66e-004	-7.17e-003	+1.70e-005
19	-7.23e-001	+2.34e-008	-2.40e-007	+4.38e-005	-6.91e-003	+1.43e-005
20	-7.26e-001	+2.46e-008	-2.35e-007	+2.17e-004	-5.02e-003	+1.23e-005
21	-7.16e-001	-1.01e-003	+2.01e-001	-4.22e-004	-2.10e-003	+4.74e-005
22	-7.28e-001	-1.92e-008	-1.54e-008	+2.13e-004	-2.68e-003	-1.43e-005
23	-7.09e-001	-1.83e-007	-1.81e-008	+2.44e-003	-1.30e-003	+1.26e-004
24	-7.15e-001	-1.13e-003	+2.06e-001	+7.21e-005	-1.99e-003	+1.50e-005
25	-7.25e-001	-1.13e-002	-7.45e-001	-1.09e-003	+2.81e-005	-1.25e-005
26	-7.17e-001	-1.04e-002	-6.23e-001	+1.95e-003	-6.10e-005	-2.28e-005
27	-7.33e-001	-1.08e-002	-3.12e-001	-2.01e-003	-1.19e-003	-1.66e-004
28	-7.10e-001	-8.04e-003	-1.99e-001	+1.59e-003	-9.22e-004	-1.12e-004
29	-7.34e-001	-1.88e-007	-2.24e-007	+6.59e-006	-2.18e-003	+1.77e-004
30	-7.28e-001	-2.49e-007	-9.09e-008	+1.67e-004	-1.22e-003	+4.77e-005
31	-4.68e-010	+5.62e-010	-5.00e-008	-2.73e-005	+7.86e-005	-1.31e-006
32	+3.12e-002	+6.29e-003	-7.83e-004	-3.23e-006	+1.36e-004	-1.31e-006
33	-7.54e-009	-1.33e-010	-9.09e-008	-1.05e-005	-2.88e-003	-9.31e-005
34	-8.25e-001	+3.94e-003	-1.58e-003	-1.62e-005	-1.96e-003	-9.31e-005
35	-4.38e-009	+2.87e-010	-1.77e-007	-1.62e-005	-2.86e-003	-2.62e-006
36	-8.59e-001	+3.92e-003	-3.27e-003	-3.88e-006	-2.33e-003	-2.62e-006
37	-7.51e-009	+5.46e-010	-8.91e-008	-1.96e-005	-2.89e-003	+8.61e-005
38	-8.27e-001	+3.90e-003	-1.55e-003	+3.76e-006	-1.97e-003	+8.61e-005
39	-4.61e-010	-5.54e-010	-4.98e-008	+2.60e-005	+7.87e-005	-1.58e-006
40	+3.11e-002	-5.90e-003	-7.80e-004	+2.24e-006	+1.35e-004	-1.58e-006
41	-3.13e-008	+1.12e-010	-4.14e-007	-1.29e-005	-6.75e-003	+3.84e-006
42	-1.76e+000	+3.64e-003	-7.88e-003	-8.10e-006	-2.94e-003	+3.84e-006
43	-8.24e-001	+4.61e-003	-3.98e-001	-1.63e-004	-2.73e-003	-5.67e-005
44	-8.59e-001	+4.56e-003	-3.75e-001	+4.55e-008	-2.65e-003	-5.88e-006
45	-8.26e-001	+4.51e-003	-3.98e-001	+1.63e-004	-2.73e-003	+4.71e-005
46	-1.23e+000	+2.50e-003	-3.19e-002	+4.66e-003	-1.27e-003	+1.44e-006
47	-1.24e+000	+2.92e-003	-3.58e-001	-2.32e-003	-1.44e-003	-4.21e-005
48	-1.25e+000	+2.45e-003	-2.72e-001	-1.63e-003	-1.22e-003	-1.35e-004
49	-1.24e+000	+2.70e-007	-6.89e-007	-1.18e-003	-9.73e-004	-8.99e-006
50	+9.28e-002	-1.55e-003	-1.14e-003	+5.81e-005	+2.92e-004	+3.21e-006

51	-1.23e+000	+3.66e-003	-1.57e+000	+2.44e-005	+8.07e-003	-1.82e-005
52	-1.24e+000	+3.71e-003	-1.53e+000	-1.16e-003	+6.39e-003	-5.73e-005
53	-1.23e+000	+3.62e-003	-1.53e+000	+1.24e-003	+6.39e-003	+2.99e-005
54	+9.22e-002	+2.11e-003	-1.13e-003	-5.83e-005	+2.89e-004	-6.99e-006
55	-1.23e+000	+4.32e-003	-1.49e-002	+5.12e-006	+7.56e-003	+3.84e-006
56	+8.38e-002	+3.16e-004	-1.14e-003	-5.46e-005	+2.69e-004	-1.58e-006
57	-1.23e+000	+5.83e-003	+5.72e-002	+2.46e-005	+6.51e-003	-2.15e-005
58	-1.24e+000	+5.85e-003	+5.73e-002	-2.79e-005	+6.53e-003	-1.24e-005
59	-1.19e+000	+8.49e-003	+6.41e-002	+5.53e-005	-1.05e-003	+3.53e-004
60	-1.27e+000	+3.46e-003	+6.40e-002	+6.75e-005	-9.74e-004	-2.98e-005
61	-1.27e+000	+8.41e-003	+6.46e-002	-7.30e-005	-9.88e-004	-3.18e-006
62	-1.25e+000	+5.89e-003	+5.86e-002	-1.46e-006	-5.05e-004	-1.87e-005
63	-8.24e-001	+3.94e-003	-2.36e-003	-2.00e-005	-2.73e-003	-2.46e-006
64	-8.26e-001	+3.91e-003	-1.89e-003	+7.52e-006	-2.74e-003	-5.44e-006
65	-1.24e+000	+5.84e-003	+5.86e-002	-1.46e-006	-5.05e-004	-1.87e-005
66	-1.24e+000	+5.86e-003	+6.46e-002	-7.30e-005	-9.88e-004	-3.18e-006
67	-1.23e+000	+5.82e-003	+6.40e-002	+6.75e-005	-9.74e-004	-2.98e-005
68	+8.44e-002	+2.41e-004	-1.15e-003	+5.45e-005	+2.72e-004	-1.31e-006
69	-1.23e+000	+4.52e-009	-3.08e-009	+1.79e-004	-3.47e-003	-1.09e-005
70	-1.23e+000	+3.19e-003	-9.06e-001	+4.31e-003	+7.85e-004	-2.69e-005
71	-1.24e+000	+3.60e-003	-1.49e+000	+1.73e-003	+4.39e-004	+2.69e-005
72	-1.24e+000	+3.72e-003	-1.51e+000	-1.44e-003	+6.14e-004	-5.39e-005
73	-1.24e+000	+3.50e-003	-1.00e+000	-3.62e-003	+1.35e-003	-1.51e-006
74	-1.21e+000	+5.73e-003	+5.90e-002	-2.76e-006	-6.87e-004	+2.34e-005
75	-1.19e+000	+2.89e-003	+6.47e-002	-6.26e-005	-1.06e-003	-3.24e-004
76	-1.23e+000	-9.06e-008	-2.69e-007	+2.77e-004	-6.05e-003	+5.11e-007
77	-1.24e+000	-9.02e-008	-2.46e-007	+5.62e-005	-8.44e-003	-2.80e-005
78	-1.24e+000	-1.01e-007	-3.65e-007	+5.58e-004	-9.15e-003	+1.19e-005
79	-1.24e+000	-9.17e-008	-2.67e-007	-2.16e-003	-6.70e-003	-1.34e-005
80	-1.50e+000	+1.84e-003	+4.02e-002	-3.76e-004	-1.68e-003	-1.60e-004
81	-1.61e+000	-1.40e+000	-3.23e-002	+4.66e-003	-1.27e-003	+1.44e-006
82	-1.74e+000	+1.89e-001	-3.56e-001	+2.27e-004	-1.45e-003	-1.95e-004
83	-1.61e+000	-1.40e+000	+1.57e-001	+4.66e-003	-1.26e-003	+1.44e-006
84	-1.61e+000	-1.40e+000	-2.24e-001	+4.66e-003	-1.28e-003	+1.44e-006
85	-1.97e+000	+7.27e-002	+1.80e-001	-1.42e-004	-1.68e-003	-6.39e-005
86	-1.97e+000	+7.27e-002	+1.85e-001	-1.21e-004	-1.67e-003	-6.92e-005
87	-1.73e+000	+2.37e-001	-2.70e-001	-3.58e-004	-1.26e-003	-5.64e-004
88	+2.56e-001	+1.20e-004	-1.83e-002	+1.46e-005	+1.75e-003	-6.91e-006
89	+2.46e-001	+2.87e-004	-7.84e-004	+1.53e-004	+5.99e-004	-7.10e-005
90	+2.48e-001	+3.23e-004	-7.93e-004	-1.53e-004	+6.08e-004	+5.66e-005
91	+2.50e-001	+2.97e-004	+8.85e-003	+1.66e-004	+3.06e-003	-7.16e-005
92	+2.52e-001	+3.14e-004	+8.84e-003	+1.66e-004	+3.11e-003	+5.73e-005
93	+3.55e-001	+5.40e-003	+8.76e-003	-1.48e-004	+3.16e-003	-2.33e-004
94	+3.51e-001	-4.80e-003	+8.78e-003	+1.48e-004	+3.11e-003	+2.23e-004
95	+8.29e-001	-3.45e-002	-5.41e-001	-6.59e-004	+3.08e-003	-1.27e-003
96	+8.40e-001	+3.18e-002	-5.50e-001	+6.07e-004	+3.13e-003	+1.18e-003
97	+9.95e-001	-1.24e-004	-5.50e-001	+7.19e-004	+3.11e-003	+1.56e-003
98	+9.82e-001	+1.60e-004	-5.41e-001	-7.80e-004	+3.06e-003	-1.66e-003
99	+7.04e-009	-4.23e-009	-1.81e-008	+2.15e-003	+3.11e-003	+3.67e-003
100	+7.20e-009	+5.61e-009	-1.82e-008	-2.15e-003	+3.06e-003	+3.70e-003
101	+5.11e-001	+4.26e-004	-1.76e-001	-3.86e-004	+3.17e-003	-2.73e-004
102	+6.71e-001	-8.02e-004	-3.60e-001	-6.07e-004	+3.14e-003	-8.34e-004
103	+5.17e-001	-3.00e-004	-1.79e-001	+3.54e-004	+3.22e-003	+2.40e-004
104	+6.80e-001	+6.15e-004	-3.66e-001	+5.58e-004	+3.19e-003	+7.70e-004
105	+1.23e-009	-1.35e-008	-3.83e-009	-1.51e-003	+3.14e-003	-2.68e-003
106	+1.29e-009	+7.16e-009	-2.90e-009	-7.74e-004	+3.17e-003	-2.22e-003
107	+1.18e-009	+1.00e-008	-3.91e-009	+1.53e-003	+3.19e-003	+2.66e-003
108	+1.22e-009	-4.89e-009	-3.02e-009	+7.94e-004	+3.22e-003	+2.20e-003
109	-7.25e-001	-1.10e-002	-5.00e-001	-2.28e-003	-1.83e-003	-3.51e-005
110	-7.78e-009	+5.85e-007	-7.94e-007	+2.84e-005	-1.57e-006	-2.37e-006
111	-3.05e-001	-3.63e-001	-7.78e-001	+2.17e-003	-9.35e-004	-1.13e-003
112	-3.73e-001	-3.60e-001	-8.62e-001	-5.06e-006	-1.04e-003	-1.12e-003
113	-2.38e-001	-3.66e-001	-6.40e-001	+1.87e-003	-8.09e-004	-1.08e-003
114	-3.32e-002	-1.60e-001	-2.79e-001	+4.07e-003	-3.89e-004	-5.17e-004
115	-1.19e-001	-3.01e-001	-5.22e-001	+1.78e-003	-6.59e-004	-8.73e-004
116	-6.39e-001	-1.30e-001	-5.00e-001	-2.43e-003	-1.23e-003	-5.97e-004
117	-5.15e-001	-2.60e-001	-7.04e-001	-2.66e-003	-1.19e-003	-9.19e-004
118	-7.15e-001	-8.99e-003	-3.42e-001	+2.03e-003	-1.62e-003	-2.40e-005
119	-7.16e-001	-9.95e-003	-5.34e-001	+2.19e-003	-1.47e-003	-9.21e-006
120	-7.21e-001	-1.09e-002	-7.72e-001	+6.16e-004	-1.80e-003	-5.02e-005
121	-7.25e-001	-1.12e-002	-6.87e-001	-1.69e-003	-1.50e-003	+7.31e-006
122	-1.01e+000	-3.17e-001	-7.80e-001	+6.61e-004	-7.73e-004	-7.05e-004
123	-1.23e+000	+1.61e-003	-7.82e-001	+5.81e-004	-1.66e-003	+4.38e-005
124	-8.65e-001	-2.13e-001	-5.38e-001	+2.41e-003	-9.28e-004	-5.71e-004
125	-1.24e+000	+1.97e-003	-5.40e-001	+2.45e-003	-1.82e-003	+6.51e-005
126	-7.78e-001	-9.49e-002	-3.43e-001	+2.06e-003	-9.54e-004	-3.78e-004
127	-1.24e+000	+2.18e-003	-3.26e-001	+2.38e-003	-1.39e-003	+5.34e-005
128	-1.20e+000	+1.24e-001	-4.68e-001	-2.89e-003	-4.26e-004	-4.05e-004
129	-1.23e+000	+1.08e-003	-4.63e-001	-2.72e-003	-6.65e-004	-8.22e-005
130	-1.13e+000	-2.52e-001	-6.81e-001	-2.06e-003	-5.94e-004	-5.82e-004
131	-1.23e+000	+1.27e-003	-6.75e-001	-2.03e-003	-1.07e-003	-2.41e-005
132	-1.24e+000	+8.72e-004	-2.61e-001	-1.35e-003	-1.92e-004	-1.51e-004

133	-1.24e+000	+2.07e-003	-1.08e-001	+3.91e-004	-1.42e-003	+1.29e-005
134	-1.05e+000	-3.17e-001	-7.89e-001	-4.07e-004	-6.94e-004	-6.81e-004
135	-9.63e-001	-3.18e-001	-7.13e-001	+1.56e-003	-8.38e-004	-6.95e-004
136	-1.24e+000	+3.25e-007	-3.38e-007	-1.85e-003	+2.09e-004	+7.56e-005
137	-1.24e+000	+2.40e-003	-1.76e-001	+5.52e-004	-2.09e-004	+2.14e-005
138	-1.24e+000	+3.33e-004	-2.10e-001	-1.15e-003	+8.53e-004	+4.89e-005
139	-1.24e+000	-5.57e-009	-7.16e-007	-2.60e-005	-2.12e-003	+6.63e-005
140	-1.24e+000	+1.30e-007	+3.22e-008	+2.03e-003	-1.33e-003	-3.15e-005
141	-1.24e+000	+1.69e-003	-1.73e-001	-6.03e-005	+6.12e-004	+5.72e-007
142	-7.30e-001	-9.17e-003	-6.26e-002	-1.34e-003	+6.39e-004	+6.66e-005
143	-7.11e-001	-6.80e-003	-1.15e-001	-3.42e-005	-1.58e-003	+3.20e-005
144	-2.82e-001	-3.10e-001	-7.78e-001	+2.17e-003	-9.35e-004	-1.13e-003
145	-9.73e-002	-2.43e-001	-5.22e-001	+1.78e-003	-6.59e-004	-8.73e-004
146	-2.68e-002	-9.37e-002	-2.79e-001	+4.07e-003	-3.89e-004	-5.17e-004
147	-9.78e-001	-2.86e-001	-7.78e-001	+1.80e-003	-1.44e-003	-5.99e-004
148	-8.25e-001	-1.42e-001	-5.37e-001	+1.98e-003	-1.49e-003	-3.88e-004
149	-7.61e-001	-6.55e-002	-3.42e-001	+1.62e-003	-1.14e-003	-2.62e-004
150	+0.00e+000	+0.00e+000	+2.14e-001	-2.79e-005	-2.24e-003	+0.00e+000
151	+0.00e+000	+0.00e+000	+2.09e-001	+2.09e-004	-2.22e-003	+0.00e+000
152	+0.00e+000	+0.00e+000	-1.25e-001	+6.71e-005	-1.56e-003	+0.00e+000
153	-7.11e-001	-6.61e-003	-1.21e-001	-5.06e-005	-1.71e-003	+4.21e-006
154	+0.00e+000	+0.00e+000	-1.18e-001	+4.82e-005	-1.44e-003	+0.00e+000
155	-1.24e+000	+1.96e-003	-1.11e-001	-1.22e-004	-1.64e-003	+4.42e-006
156	-3.62e-001	-1.45e-003	+4.57e-002	+1.02e-005	-2.32e-003	+6.10e-005
157	-1.24e+000	+4.02e-004	+1.87e-001	-6.06e-004	-1.94e-003	-1.99e-005
158	-1.24e+000	+4.13e-004	+1.88e-001	+6.88e-004	-1.90e-003	-1.48e-005
159	-3.62e-001	-1.73e-002	+4.00e-002	+4.50e-005	-2.29e-003	-1.00e-004
160	-9.89e-001	-6.31e-003	+3.95e-002	+1.18e-004	-1.75e-003	-1.12e-005
161	-9.89e-001	+1.86e-002	+4.31e-002	-1.64e-004	-1.81e-003	+5.35e-005
162	-1.74e+000	+8.22e-002	-1.01e-001	-2.04e-004	-1.47e-003	-4.07e-004
163	-1.50e+000	+4.06e-002	+3.67e-002	-1.87e-004	-1.66e-003	+1.90e-005
164	-1.74e+000	+8.22e-002	-1.08e-001	-1.52e-004	-1.61e-003	-2.95e-004
165	-1.74e+000	+5.12e-002	+1.81e-001	-8.75e-005	-1.68e-003	-3.54e-005
166	-1.74e+000	+5.10e-002	+1.85e-001	-2.00e-004	-1.67e-003	+2.23e-005
167	-1.25e+000	+6.13e-002	-4.77e-001	-3.37e-004	-1.05e-003	-4.01e-004
168	-1.74e+000	+1.95e-001	-4.81e-001	-4.98e-004	-8.25e-004	+4.86e-005
169	-1.25e+000	-2.71e-004	-2.86e-001	-2.82e-003	-5.57e-004	+7.04e-005
170	-1.73e+000	+6.02e-001	-2.92e-001	-1.61e-003	-4.71e-004	-2.37e-003
171	-6.83e-001	+3.00e-003	-4.68e-001	-7.76e-005	-2.34e-003	-2.07e-004
172	-6.64e-001	-3.30e-001	-2.83e-001	+2.84e-004	-2.63e-003	+3.64e-005
173	+0.00e+000	+0.00e+000	-4.58e-001	+2.91e-005	-1.51e-003	+0.00e+000
174	+0.00e+000	+0.00e+000	-2.79e-001	+1.40e-003	-7.41e-004	+0.00e+000
175	-2.08e+000	+1.00e-001	-1.07e-001	-1.08e-004	-1.70e-003	-7.24e-005
176	-2.08e+000	+1.00e-001	-1.01e-001	-1.00e-004	-1.73e-003	-7.65e-005
177	-1.88e+000	+7.13e-002	+6.93e-002	-1.66e-004	-1.70e-003	-1.36e-004
178	-1.88e+000	+7.11e-002	+6.41e-002	-1.64e-004	-1.69e-003	-1.54e-004
179	-1.24e+000	+6.53e-008	+2.09e-007	-2.21e-004	-3.76e-004	+0.00e+000
180	-1.24e+000	-8.27e-008	-8.79e-007	-7.17e-004	+1.34e-003	+1.20e-005
181	-1.24e+000	-2.78e-007	-3.73e-007	-7.95e-004	+1.35e-003	-2.17e-005
182	-1.24e+000	-2.27e-008	+1.79e-007	+5.10e-004	+3.97e-004	+0.00e+000
183	+2.56e-001	+3.06e-004	+2.70e-002	-2.46e-008	+1.74e-003	-6.98e-006

MASSIME DEFORMAZIONI NODALI / NODI CORRISPONDENTI

TRASLAZ. X	TRASLAZ. Y	TRASLAZ. Z	ROTAZIONE X	ROTAZIONE Y	ROTAZIONE Z	DL MAX
-2.08e+000	-1.40e+000	-1.57e+000	+4.66e-003	-9.15e-003	-3.70e-003	+2.14e+000
(175)	(84)	(51)	(46)	(78)	(100)	(84)

**FORZE / MOMENTI ELEMENTO FINITO TRAVE GRUPPO 1
TRAVI**

ASTA	CC	Fx	Fy	Fz	Mx	My	Mz
1	1	4.617E+02	3.378E+03	-4.516E+00	-1.532E+02	4.574E+02	2.793E+05
		-4.617E+02	-2.184E+03	4.516E+00	1.532E+02	3.104E+02	1.935E+05
2	1	5.293E+01	2.549E+03	-2.052E-01	-3.702E+01	7.583E+01	1.457E+05
		-5.293E+01	2.433E+03	2.052E-01	3.702E+01	9.076E-02	-1.242E+05
3	1	9.055E+00	2.551E+03	2.235E-02	-4.983E+01	-8.329E+00	1.313E+05
		-9.055E+00	2.432E+03	-2.235E-02	4.983E+01	5.902E-02	-1.092E+05
4	1	9.002E+00	2.527E+03	-2.118E-02	4.270E+01	7.795E+00	1.278E+05
		-9.002E+00	2.456E+03	2.118E-02	-4.270E+01	4.138E-02	-1.147E+05
5	1	7.138E+00	2.604E+03	-4.269E-02	1.079E+02	1.577E+01	1.524E+05
		-7.138E+00	2.379E+03	4.269E-02	-1.079E+02	1.960E-02	-1.107E+05
6	1	-7.342E+02	1.204E+02	2.086E+01	-8.143E+01	-3.546E+03	-5.278E+04
		7.342E+02	7.334E+02	-2.086E+01	8.143E+01	-2.856E-03	6.835E+02

7	1	7.101E+02 -7.101E+02	4.443E+03 -3.589E+03	-5.644E+00 5.644E+00	-6.340E+01 6.340E+01	1.496E+02 8.099E+02	3.921E+05 2.906E+05
8	1	6.543E+01 -6.543E+01	1.316E+03 1.143E+03	4.221E-01 -4.221E-01	-4.349E+01 4.349E+01	-9.713E+01 2.538E+01	4.275E+04 -2.808E+04
9	1	-4.309E+01 4.309E+01	1.328E+03 1.131E+03	-1.091E+00 1.091E+00	4.358E+01 -4.358E+01	-3.016E+01 2.156E+02	4.418E+04 -2.747E+04
10	1	7.512E+02 -7.512E+02	2.808E+03 5.960E+02	3.358E+01 -3.358E+01	-2.788E+01 2.788E+01	-1.659E+03 -4.050E+03	8.658E+04 1.014E+05
11	1	1.151E+03 -1.151E+03	3.195E+02 1.877E+03	3.012E+01 -3.012E+01	-1.937E+02 1.937E+02	-5.121E+03 -1.346E-02	-1.368E+05 4.368E+03
12	1	-9.148E+02 9.148E+02	1.032E+03 1.138E+03	-8.774E-01 8.774E-01	-9.982E+01 9.982E+01	1.491E+02 2.770E-02	6.423E+03 -1.545E+04
13	1	-4.988E+02 4.988E+02	4.535E+02 -7.072E+01	-8.871E+00 8.871E+00	2.902E+02 -2.902E+02	9.218E+02 -9.614E+00	-2.735E+05 3.004E+05
14	1	-1.515E+03 1.515E+03	3.641E+03 -3.483E+03	5.061E+00 -5.061E+00	-1.564E+05 1.564E+05	-4.989E+02 -3.362E+02	2.231E+05 3.645E+05
15	1	-1.738E+03 1.738E+03	7.436E+02 -5.465E+02	-1.087E+01 1.087E+01	-5.837E+04 5.837E+04	1.995E+03 2.417E+02	-3.697E+05 5.024E+05
16	1	-4.971E+02 4.971E+02	-1.070E+03 1.267E+03	8.279E-01 -8.279E-01	5.012E+03 -5.012E+03	-2.116E+02 4.134E+01	-5.181E+05 2.778E+05
17	1	7.165E+02 -7.165E+02	-2.927E+03 3.124E+03	-7.788E+00 7.788E+00	7.258E+04 -7.258E+04	5.573E+01 1.546E+03	-2.631E+05 -3.592E+05
18	1	1.154E+03 -1.154E+03	-5.026E+03 5.147E+03	7.584E+00 -7.584E+00	1.786E+05 -1.786E+05	-2.565E+02 -6.991E+02	3.659E+05 -1.007E+06
19	1	2.795E+02 -2.795E+02	6.590E+03 -6.542E+03	2.957E+02 -2.957E+02	5.628E+03 -5.628E+03	-9.913E+03 -4.871E+03	1.081E+06 -7.531E+05
20	1	-4.636E+02 4.636E+02	5.177E+03 -5.001E+03	1.786E+01 -1.786E+01	-1.408E+05 1.408E+05	-2.086E+03 -1.193E+03	8.280E+05 1.064E+05
21	1	-4.913E+02 4.913E+02	2.425E+03 -2.249E+03	-7.473E+00 7.473E+00	-3.636E+04 3.636E+04	1.117E+03 2.547E+02	-2.120E+05 6.410E+05
22	1	-5.801E+02 5.801E+02	5.499E+02 -3.740E+02	2.156E+00 -2.156E+00	-7.208E+03 7.208E+03	-2.465E+02 -1.493E+02	-6.964E+05 7.812E+05
23	1	-6.746E+02 6.746E+02	-1.331E+03 1.507E+03	-1.590E+00 1.590E+00	2.358E+04 -2.358E+04	1.415E+02 1.505E+02	-7.362E+05 4.757E+05
24	1	-7.615E+02 7.615E+02	-3.533E+03 3.709E+03	4.226E+00 -4.226E+00	1.379E+05 -1.379E+05	-1.663E+02 -6.096E+02	-3.386E+05 -3.262E+05
25	1	-4.130E+01 4.130E+01	1.605E+03 9.355E+02	5.988E-02 -5.988E-02	1.090E+02 -1.090E+02	-2.216E+01 -3.380E-04	1.358E+05 -1.188E+04
26	1	-3.225E+02 3.225E+02	1.751E+03 3.094E+02	2.445E+01 -2.445E+01	-4.751E+01 4.751E+01	-1.290E+03 -2.867E+03	8.280E+04 3.977E+04
27	1	-1.297E+03 1.297E+03	1.076E+03 -7.674E+02	1.613E+01 -1.613E+01	-1.378E+02 1.378E+02	6.802E+02 -2.016E+03	1.328E+05 -5.644E+04
28	1	-9.045E+00 9.045E+00	6.472E-01 4.288E+01	2.798E+01 -2.798E+01	1.568E+01 -1.568E+01	-2.552E+03 -2.092E+03	-8.828E+02 -2.622E+03
29	1	-8.486E+00 8.486E+00	6.313E+01 -1.960E+01	-2.917E+01 2.917E+01	-1.610E+01 1.610E+01	2.186E+03 2.656E+03	4.467E+03 2.399E+03
30	1	-1.748E+01 1.748E+01	-2.948E+01 8.218E+01	-1.841E+01 1.841E+01	2.950E+00 -2.950E+00	1.741E+03 1.959E+03	-1.606E+01 -1.121E+04
31	1	-1.745E+01 1.745E+01	8.219E+01 -2.949E+01	1.829E+01 -1.829E+01	-3.072E+00 3.072E+00	-1.951E+03 -1.724E+03	1.121E+04 1.746E+01
32	1	1.748E+01 -1.748E+01	4.093E+01 -3.175E+01	1.841E+01 -1.841E+01	1.616E+02 -1.616E+02	-1.437E+03 7.927E+02	1.288E+03 -1.606E+01
33	1	1.745E+01 -1.745E+01	4.092E+01 -3.175E+01	-1.829E+01 1.829E+01	-1.604E+02 1.604E+02	1.446E+03 -8.059E+02	1.289E+03 -1.747E+01
34	1	-1.841E+01	2.948E+01	1.748E+01	-1.606E+01	-1.741E+03	-2.950E+00

		1.841E+01	3.175E+01	-1.748E+01	1.606E+01	-7.927E+02	-1.616E+02
35	1	-1.829E+01 1.829E+01	2.949E+01 3.175E+01	-1.745E+01 1.745E+01	1.747E+01 -1.747E+01	1.724E+03 8.059E+02	-3.071E+00 -1.604E+02
36	1	3.670E+01 -3.670E+01	2.024E+02 -1.644E+02	-2.579E-02 2.579E-02	1.987E-01 -1.987E-01	1.155E+01 -7.811E+00	2.660E+04 -6.022E+00
37	1	-1.299E+03 1.299E+03	-2.344E+03 2.493E+03	1.046E+01 -1.046E+01	5.765E+02 -5.765E+02	-6.387E+02 2.201E+02	-1.558E+05 5.908E+04
38	1	-1.305E+03 1.305E+03	-2.186E+03 2.494E+03	1.234E+01 -1.234E+01	2.900E+01 -2.900E+01	-2.840E+02 -7.383E+02	-6.008E+04 -1.338E+05
39	1	-5.217E+02 5.217E+02	-1.309E+03 1.691E+03	-5.334E+00 5.334E+00	-2.761E+02 2.761E+02	-6.478E+01 6.133E+02	-3.011E+05 1.468E+05
40	1	9.111E+03 -8.867E+03	3.774E+03 -3.370E+03	-7.778E+01 7.778E+01	-1.186E+03 1.186E+03	2.845E+04 -2.093E+04	2.841E+05 6.150E+04
41	1	6.913E+03 -6.669E+03	1.435E+02 2.601E+02	-7.502E+01 7.502E+01	-8.488E+02 8.488E+02	2.074E+04 -1.348E+04	-6.070E+04 5.506E+04
42	1	6.193E+03 -5.950E+03	-1.032E+03 1.435E+03	-7.021E+01 7.021E+01	-3.938E+02 3.938E+02	1.324E+04 -6.444E+03	-5.422E+04 -6.512E+04
43	1	5.835E+03 -5.835E+03	1.846E+03 -1.509E+03	-7.021E+01 7.021E+01	-3.667E+03 3.667E+03	5.313E+03 -1.101E+03	6.512E+04 3.553E+04
44	1	5.819E+03 -5.819E+03	2.097E+03 -1.760E+03	-6.396E+01 6.396E+01	-3.151E+03 3.151E+03	1.147E+03 2.691E+03	-3.420E+04 1.499E+05
45	1	5.891E+03 -5.647E+03	-1.500E+03 1.904E+03	-6.396E+01 6.396E+01	-4.088E+03 4.088E+03	-6.754E+02 6.864E+03	-1.499E+05 -1.477E+04
46	1	6.984E+03 -6.740E+03	3.160E+02 8.757E+01	-5.642E+01 5.642E+01	-3.711E+03 3.711E+03	-7.022E+03 1.248E+04	1.485E+04 -3.797E+03
47	1	6.781E+03 -6.538E+03	-1.707E+01 4.207E+02	-4.916E+01 4.916E+01	-3.433E+03 3.433E+03	-1.256E+04 1.732E+04	3.801E+03 -2.498E+04
48	1	2.618E+02 -2.618E+02	-8.553E+02 8.722E+02	2.549E+01 -2.549E+01	-6.247E+02 6.247E+02	-1.137E+03 1.179E+02	-2.843E+05 2.497E+05
49	1	2.726E+02 -2.726E+02	-3.042E+03 3.077E+03	2.043E+01 -2.043E+01	-6.412E+01 6.412E+01	-1.963E+02 -1.496E+03	-2.503E+05 -3.169E+03
50	1	2.787E+02 -2.787E+02	-1.288E+03 1.323E+03	1.440E+01 -1.440E+01	1.253E+02 -1.253E+02	1.414E+03 -2.607E+03	2.636E+03 -1.108E+05
51	1	-4.291E+02 6.728E+02	-8.543E+02 1.258E+03	-3.861E+01 3.861E+01	1.237E+03 -1.237E+03	-1.118E+04 1.492E+04	-6.769E+03 -9.541E+04
52	1	3.752E+01 2.061E+02	-6.649E+01 4.701E+02	-3.943E+01 3.943E+01	9.603E+02 -9.603E+02	-7.260E+03 1.107E+04	-3.176E+04 5.801E+03
53	1	9.194E+01 1.517E+02	-7.285E-01 4.043E+02	-3.793E+01 3.793E+01	6.114E+02 -6.114E+02	-3.443E+03 7.113E+03	-5.081E+04 3.121E+04
54	1	7.909E+01 -7.909E+01	3.837E+02 -4.689E+01	-3.793E+01 3.793E+01	2.303E+03 -2.303E+03	-3.564E+02 2.632E+03	-3.789E+04 5.081E+04
55	1	9.757E+01 -9.757E+01	2.137E+02 1.231E+02	-3.640E+01 3.640E+01	1.904E+03 -1.904E+03	1.768E+03 4.166E+02	-3.563E+04 3.835E+04
56	1	4.376E+02 -1.940E+02	5.361E+02 -1.325E+02	-3.640E+01 3.640E+01	2.544E+03 -2.544E+03	4.051E+03 -5.291E+02	-3.281E+03 3.563E+04
57	1	4.520E+02 -2.084E+02	5.484E+02 -1.448E+02	-3.467E+01 3.467E+01	2.216E+03 -2.216E+03	7.538E+03 -4.183E+03	2.922E+04 4.313E+03
58	1	7.605E+01 1.676E+02	-5.730E+01 4.609E+02	-3.678E+01 3.678E+01	1.984E+03 -1.984E+03	1.117E+04 -7.611E+03	3.308E+03 -2.838E+04
59	1	-1.104E+03 1.104E+03	1.745E+03 4.257E+02	-9.362E+00 9.362E+00	-7.973E+01 7.973E+01	4.986E+02 1.093E+03	1.141E+05 -2.009E+03
60	1	1.141E+03 -1.141E+03	9.220E+02 -8.523E+02	3.677E+01 -3.677E+01	1.811E+02 -1.811E+02	-4.825E+03 -1.242E+03	1.451E+05 1.281E+03
61	1	2.646E+03 -2.646E+03	-8.844E+01 9.422E+02	5.054E+00 -5.054E+00	-1.021E+01 1.021E+01	-3.026E+02 -5.566E+02	-7.468E+04 -1.293E+04

62	1	-7.023E+02 7.023E+02	1.449E+02 -1.112E+02	2.216E+01 -2.216E+01	5.842E+01 -5.842E+01	-2.160E+03 -6.321E+02	3.185E+04 -1.572E+04
63	1	3.206E+03 -3.206E+03	6.463E+02 5.475E+02	3.658E+00 -3.658E+00	3.567E+01 -3.567E+01	-6.335E+02 1.168E+01	-1.843E+04 2.683E+04
64	1	-7.230E+00 7.230E+00	2.485E+03 2.498E+03	-1.166E-01 1.166E-01	-4.419E+01 4.419E+01	4.307E+01 8.506E-02	1.130E+05 -1.153E+05

**FORZE / MOMENTI ELEMENTO FINITO TRAVE GRUPPO 2
MONTANTI**

ASTA	CC	Fx	Fy	Fz	Mx	My	Mz
1	1	3.352E+03 -3.077E+03	-7.483E+02 7.483E+02	-2.822E+02 2.822E+02	0.000E+00 0.000E+00	4.286E-12 9.030E+04	0.000E+00 -2.395E+05
2	1	1.097E+04 -1.069E+04	-4.245E+03 4.245E+03	-7.747E+01 7.747E+01	1.073E+03 -1.073E+03	-1.838E+02 2.497E+04	-7.905E+05 -5.680E+05
3	1	1.369E+04 -1.342E+04	-3.637E+03 3.637E+03	-1.851E+02 1.851E+02	-1.236E+03 1.236E+03	5.303E+02 5.870E+04	-6.657E+05 -4.980E+05
4	1	1.567E+04 -1.540E+04	-1.051E+03 1.051E+03	4.151E+02 -4.151E+02	0.000E+00 0.000E+00	1.455E-11 -1.328E+05	9.313E-10 -3.362E+05
5	1	4.995E+02 -3.034E+02	-4.680E+00 4.680E+00	5.619E+00 -5.619E+00	0.000E+00 0.000E+00	-2.394E-13 -1.798E+03	0.000E+00 -1.497E+03
6	1	9.086E+02 -7.124E+02	-7.542E+01 7.542E+01	-1.325E+00 1.325E+00	0.000E+00 0.000E+00	-2.674E-13 4.241E+02	2.910E-11 -2.414E+04
7	1	1.774E+03 -1.578E+03	-4.384E+01 4.384E+01	2.871E+00 -2.871E+00	0.000E+00 0.000E+00	-2.866E-13 -9.187E+02	-2.183E-11 -1.403E+04
8	1	8.913E+02 -6.951E+02	-7.506E+01 7.506E+01	5.459E+00 -5.459E+00	0.000E+00 0.000E+00	-5.795E-13 -1.747E+03	-2.183E-11 -2.402E+04
9	1	4.980E+02 -3.018E+02	-4.607E+00 4.607E+00	-5.539E+00 5.539E+00	0.000E+00 0.000E+00	1.878E-13 1.772E+03	1.364E-12 -1.474E+03
10	1	4.138E+03 -3.942E+03	-3.132E+02 3.132E+02	1.122E+00 -1.122E+00	0.000E+00 0.000E+00	-5.675E-13 -3.589E+02	-8.731E-11 -1.002E+05
11	1	4.441E+03 -4.245E+03	-1.468E+02 1.468E+02	9.053E+00 -9.053E+00	-2.255E+00 2.255E+00	-1.345E+02 -2.763E+03	-1.414E+04 -3.284E+04
12	1	4.400E+03 -4.203E+03	-1.011E+02 1.011E+02	-5.356E+01 5.356E+01	-7.125E+00 7.125E+00	2.762E+02 1.686E+04	-1.163E+04 -2.074E+04
13	1	-1.635E+03 1.832E+03	-7.506E+02 7.506E+02	-6.056E+00 6.056E+00	-6.321E-01 6.321E-01	-5.781E+02 2.516E+03	-1.260E+05 -1.142E+05
14	1	-1.381E+03 1.577E+03	-9.096E+02 9.096E+02	-6.958E+00 6.958E+00	-4.811E+00 4.811E+00	3.028E+01 2.196E+03	-1.506E+05 -1.405E+05
15	1	5.292E+03 -5.096E+03	-2.652E+02 2.652E+02	-7.228E+00 7.228E+00	3.106E+01 -3.106E+01	-2.463E+02 2.559E+03	-7.318E+04 -1.169E+04
16	1	1.958E+03 -1.762E+03	-4.953E+02 4.953E+02	-9.321E+01 9.321E+01	-5.459E+00 5.459E+00	3.067E+02 2.952E+04	-1.500E+05 -8.499E+03

**FORZE / MOMENTI ELEMENTO FINITO TRAVE GRUPPO 3
003**

ASTA	CC	Fx	Fy	Fz	Mx	My	Mz
1	1	-3.299E+03 3.557E+03	-2.222E+03 2.222E+03	-9.156E+02 9.156E+02	-2.310E-03 2.310E-03	1.545E+05 1.202E+05	-1.140E+05 -5.525E+05
2	1	-8.258E+03 8.516E+03	-1.817E+03 1.817E+03	-5.651E+02 5.651E+02	1.154E+04 -1.154E+04	7.307E+04 9.646E+04	-1.038E+05 -4.412E+05
3	1	1.231E+04 -1.205E+04	-7.184E+02 7.184E+02	-9.719E+02 9.719E+02	5.264E+03 -5.264E+03	1.374E+05 1.541E+05	1.479E+04 -2.303E+05
4	1	7.992E+03 -7.735E+03	-1.451E+03 1.451E+03	2.121E+03 -2.121E+03	6.317E+02 -6.317E+02	-3.075E+05 -3.288E+05	-1.046E+05 -3.308E+05

5	1	3.034E+02 -1.378E+02	-4.680E+00 4.680E+00	5.619E+00 -5.619E+00	0.000E+00 0.000E+00	1.798E+03 -3.315E+03	1.497E+03 -2.761E+03
6	1	3.018E+02 -1.363E+02	-4.607E+00 4.607E+00	-5.539E+00 5.539E+00	0.000E+00 0.000E+00	-1.772E+03 3.268E+03	1.474E+03 -2.718E+03
7	1	3.942E+03 -3.758E+03	-3.132E+02 3.132E+02	1.122E+00 -1.122E+00	0.000E+00 0.000E+00	3.589E+02 -6.954E+02	1.002E+05 -1.942E+05
8	1	1.396E+03 -1.240E+03	1.173E+02 -8.852E+01	3.404E+00 -3.404E+00	-4.781E+00 4.781E+00	-6.088E+02 -2.739E+02	4.059E+04 -1.390E+04
9	1	6.064E+02 -4.501E+02	8.248E+01 -5.367E+01	-2.104E+01 2.104E+01	7.699E+01 -7.699E+01	3.146E+03 2.308E+03	2.420E+04 -6.544E+03
10	1	6.033E+02 -4.470E+02	8.288E+01 -5.407E+01	2.464E+01 -2.464E+01	-8.369E+01 8.369E+01	-3.680E+03 -2.709E+03	2.431E+04 -6.558E+03
11	1	4.494E+02 -4.218E+02	-2.784E+01 2.784E+01	2.464E+01 -2.464E+01	4.087E+02 -4.087E+02	2.679E+03 -3.788E+03	6.558E+03 -7.811E+03
12	1	1.235E+03 -1.208E+03	-1.377E+02 1.377E+02	3.404E+00 -3.404E+00	4.494E+01 -4.494E+01	2.702E+02 -4.234E+02	1.390E+04 -2.010E+04
13	1	4.523E+02 -4.247E+02	-2.880E+01 2.880E+01	-2.104E+01 2.104E+01	-3.427E+02 3.427E+02	-2.284E+03 3.231E+03	6.544E+03 -7.840E+03
14	1	2.146E+01 0.000E+00	7.276E-11 -7.276E-11	-9.923E-14 9.923E-14	0.000E+00 0.000E+00	-1.597E-11 7.457E-13	-2.015E-09 3.027E-09
15	1	2.146E+01 0.000E+00	-1.019E-10 1.019E-10	-7.487E-14 7.487E-14	0.000E+00 0.000E+00	-6.386E-12 1.273E-11	0.000E+00 -5.530E-10
16	1	2.146E+01 0.000E+00	2.092E-10 -2.092E-10	2.556E-13 -2.556E-13	0.000E+00 0.000E+00	1.126E-11 1.109E-12	1.528E-09 2.095E-09
17	1	2.464E+01 -2.464E+01	4.003E+02 -3.114E+02	-2.784E+01 2.784E+01	7.811E+03 -7.811E+03	4.087E+02 2.264E+03	3.788E+03 3.037E+04
18	1	2.104E+01 -2.104E+01	-3.144E+02 4.033E+02	2.880E+01 -2.880E+01	-7.840E+03 7.840E+03	-2.422E+03 -3.427E+02	-3.122E+04 -3.231E+03
19	1	-3.401E+01 5.240E+01	-4.603E+00 4.603E+00	4.460E+01 -4.460E+01	8.660E+00 -8.660E+00	-2.134E+03 7.960E+02	2.717E+03 -2.855E+03
20	1	-3.276E+01 5.115E+01	-4.683E+00 4.683E+00	-4.452E+01 4.452E+01	-7.233E+00 7.233E+00	2.125E+03 -7.893E+02	2.762E+03 -2.902E+03
21	1	5.014E+01 -5.014E+01	1.706E+02 1.703E+02	3.876E-03 -3.876E-03	-7.928E-01 7.928E-01	7.233E+00 -8.659E+00	1.191E+03 -1.134E+03
22	1	3.183E+01 -3.183E+01	-5.194E+02 5.842E+02	6.073E+01 -6.073E+01	-1.004E+04 1.004E+04	-2.564E+03 -1.687E+03	-3.058E+04 -8.046E+03
23	1	3.523E+01 -3.523E+01	6.021E+02 -5.373E+02	-7.695E+01 7.695E+01	1.006E+04 -1.006E+04	1.732E+03 3.655E+03	8.470E+03 3.141E+04
24	1	-5.783E+03 5.967E+03	-1.424E+02 1.424E+02	-3.201E+01 3.201E+01	-3.414E-02 3.414E-02	3.797E+03 5.805E+03	-1.834E+04 -2.438E+04
25	1	-3.938E+03 4.122E+03	-3.968E+02 3.968E+02	1.150E+02 -1.150E+02	3.071E+00 -3.071E+00	-1.128E+04 -2.320E+04	-5.343E+04 -6.561E+04
26	1	7.534E+03 -7.350E+03	3.797E+02 -3.797E+02	-2.819E+02 2.819E+02	1.079E+01 -1.079E+01	3.971E+04 4.487E+04	6.305E+04 5.087E+04
27	1	9.524E+03 -9.340E+03	2.653E+02 -2.653E+02	2.131E+02 -2.131E+02	4.783E+00 -4.783E+00	-2.333E+04 -4.060E+04	4.358E+04 3.601E+04
28	1	5.096E+03 -4.912E+03	-2.652E+02 2.652E+02	-7.228E+00 7.228E+00	3.106E+01 -3.106E+01	-2.559E+03 4.728E+03	1.169E+04 -9.126E+04
29	1	1.762E+03 -1.578E+03	-4.953E+02 4.953E+02	-9.321E+01 9.321E+01	-5.459E+00 5.459E+00	-2.952E+04 5.749E+04	8.499E+03 -1.571E+05

**FORZE / MOMENTI ELEMENTO FINITO TRAVE GRUPPO 4
004**

ASTA	CC	Fx	Fy	Fz	Mx	My	Mz
1	1	-4.860E+02	7.960E+02	-7.295E-01	4.647E+01	2.437E+02	2.250E+03

		4.860E+02	3.978E+02	7.295E-01	-4.647E+01	-1.196E+02	3.160E+04
2	1	-7.230E+00 7.230E+00	2.485E+03 2.498E+03	-1.166E-01 1.166E-01	-4.419E+01 4.419E+01	4.307E+01 8.506E-02	1.130E+05 -1.153E+05
3	1	1.522E+01 -1.522E+01	2.521E+03 2.461E+03	6.417E-01 -6.417E-01	-6.069E+01 6.069E+01	-2.375E+02 5.451E-02	1.113E+05 -1.002E+05
4	1	7.047E+00 -7.047E+00	2.489E+03 2.494E+03	-5.360E-01 5.360E-01	5.074E+01 -5.074E+01	1.983E+02 4.239E-02	1.096E+05 -1.105E+05
5	1	-1.929E+00 1.929E+00	2.520E+03 2.463E+03	2.673E-01 -2.673E-01	1.225E+02 -1.225E+02	-9.891E+01 2.107E-02	1.254E+05 -1.149E+05
6	1	-1.646E+03 1.646E+03	-6.165E+03 6.198E+03	6.739E+02 -6.739E+02	1.771E+02 -1.771E+02	-2.201E+04 -1.169E+04	5.100E+05 -8.191E+05
7	1	-5.657E+02 5.657E+02	6.005E+03 -5.883E+03	4.501E+00 -4.501E+00	-6.310E+02 6.310E+02	-1.025E+03 1.986E+02	8.921E+05 1.992E+05
8	1	-2.082E+02 2.082E+02	2.305E+03 -2.183E+03	1.171E+01 -1.171E+01	1.674E+02 -1.674E+02	-2.849E+02 -1.866E+03	-3.686E+05 7.805E+05
9	1	1.056E+02 -1.056E+02	8.416E+02 -7.952E+02	5.140E+01 -5.140E+01	9.992E+02 -9.992E+02	-3.701E+03 1.028E+02	-8.176E+05 8.749E+05
10	1	4.035E+02 -4.035E+02	-1.509E+03 1.631E+03	-1.282E+01 1.282E+01	-7.838E+01 7.838E+01	1.988E+03 3.661E+02	-8.261E+05 5.379E+05
11	1	6.606E+02 -6.606E+02	-2.891E+03 3.013E+03	-1.744E+00 1.744E+00	4.650E+02 -4.650E+02	-2.672E+02 5.873E+02	-3.609E+05 -1.811E+05
12	1	1.733E+02 -1.733E+02	1.624E+03 9.165E+02	-1.200E-01 1.200E-01	1.360E+02 -1.360E+02	4.441E+01 2.823E-04	1.330E+05 -2.100E+03
13	1	1.230E+02 -1.230E+02	5.483E+02 -5.371E+02	-1.852E+02 1.852E+02	-1.427E+04 1.427E+04	2.103E+03 1.009E+03	-8.145E+05 8.236E+05
14	1	1.309E+02 -1.309E+02	2.101E+03 -9.481E+02	3.223E+00 -3.223E+00	-4.096E+00 4.096E+00	-1.592E+00 -6.269E+02	2.953E+05 1.997E+03
15	1	1.088E+02 -1.088E+02	-6.002E+01 1.065E+02	-7.949E+01 7.949E+01	-9.982E+02 9.982E+02	1.237E+03 4.328E+03	-8.234E+05 8.176E+05
16	1	1.128E+02 -1.128E+02	1.772E+02 -1.594E+02	1.400E+02 -1.400E+02	9.215E+03 -9.215E+03	-1.565E+03 -2.186E+03	-8.751E+05 8.796E+05
17	1	8.857E+01 -8.857E+01	8.308E+02 6.180E+02	-7.193E+00 7.193E+00	-2.067E+02 2.067E+02	3.001E+02 1.462E+03	1.785E+04 8.216E+03
18	1	1.057E+02 -1.057E+02	8.516E+02 5.971E+02	1.420E+01 -1.420E+01	1.916E+02 -1.916E+02	-1.233E+03 -2.246E+03	1.790E+04 1.327E+04
19	1	-2.573E+02 2.573E+02	1.443E+03 -2.312E+02	9.156E+00 -9.156E+00	1.490E+01 -1.490E+01	-1.095E+02 -1.198E+03	-5.523E+04 1.748E+05
20	1	-2.451E+02 2.451E+02	4.898E+02 7.221E+02	7.971E+00 -7.971E+00	5.450E+01 -5.450E+01	1.166E+03 -2.305E+03	-1.739E+05 1.573E+05
21	1	1.871E+02 -1.871E+02	1.242E+03 1.405E+03	-9.481E+00 9.481E+00	1.084E+02 -1.084E+02	6.424E+02 5.522E+02	2.500E+04 -3.524E+04
22	1	-3.771E+02 3.771E+02	1.748E+03 1.718E+03	1.110E+01 -1.110E+01	2.727E+01 -2.727E+01	-1.831E+03 -2.397E-02	4.338E+04 -4.089E+04
23	1	1.791E+02 -1.791E+02	9.018E+01 1.971E+03	-3.492E+00 3.492E+00	-5.880E+01 5.880E+01	1.417E+02 4.520E+02	-1.354E+05 -2.439E+04
24	1	-2.527E+02 2.527E+02	-3.701E+03 4.404E+03	4.940E+00 -4.940E+00	7.534E+01 -7.534E+01	2.806E+03 -3.216E+03	3.729E+02 -3.360E+05
25	1	-2.402E+02 2.402E+02	-1.553E+03 2.255E+03	6.990E+00 -6.990E+00	6.407E+01 -6.407E+01	2.269E+03 -2.848E+03	-1.571E+05 -6.570E+02
26	1	-2.661E+02 2.661E+02	2.029E+03 -1.326E+03	1.035E+01 -1.035E+01	-6.775E+01 6.775E+01	-9.468E+02 8.909E+01	8.286E+04 5.611E+04
27	1	-2.703E+02 2.703E+02	3.745E+03 -3.042E+03	1.144E+01 -1.144E+01	-1.887E+02 1.887E+02	-1.883E+03 9.357E+02	3.635E+05 -8.233E+04
28	1	3.165E+02 -3.165E+02	-9.368E+02 1.791E+03	-4.643E+00 4.643E+00	-1.413E+02 1.413E+02	7.892E+02 1.653E-02	-2.200E+05 -1.180E+04

29	1	-9.471E+01 9.471E+01	-8.630E+02 3.060E+03	1.903E+01 -1.903E+01	-1.272E+02 1.272E+02	-3.236E+03 -6.517E-03	-3.342E+05 7.180E+02
30	1	-4.294E+01 4.294E+01	1.547E+03 1.857E+03	2.778E+01 -2.778E+01	1.967E+01 -1.967E+01	-8.731E+02 -3.849E+03	-7.284E+04 4.655E+04
31	1	-2.408E+02 2.408E+02	1.013E+03 1.809E+02	6.796E+00 -6.796E+00	-2.107E+02 2.107E+02	-9.247E+02 -2.306E+02	3.140E+04 3.932E+04
32	1	-3.778E+02 3.778E+02	4.432E+02 -3.714E+02	-4.493E+00 4.493E+00	-2.853E+01 2.853E+01	1.752E+02 5.886E+02	-1.331E+04 8.255E+04
33	1	-6.775E+02 6.775E+02	-1.818E+03 1.890E+03	3.030E+01 -3.030E+01	-1.943E+02 1.943E+02	-1.471E+03 -3.681E+03	-1.774E+05 -1.378E+05
34	1	-7.371E+02 7.371E+02	-2.539E+03 2.626E+03	-2.265E+01 2.265E+01	1.576E+02 -1.576E+02	4.541E+03 1.028E+02	-2.966E+05 -2.328E+05
35	1	-3.165E+02 3.165E+02	-3.151E+03 3.237E+03	1.628E+01 -1.628E+01	-9.430E+01 9.430E+01	-2.942E+03 -3.962E+02	-3.829E+05 -2.718E+05
36	1	5.950E+01 -5.950E+01	-4.655E+02 5.521E+02	6.897E-01 -6.897E-01	-5.230E+01 5.230E+01	1.210E-01 -1.415E+02	-1.128E+05 8.449E+03
37	1	1.785E+01 -1.785E+01	-2.557E+02 3.423E+02	-4.260E+00 4.260E+00	2.803E+01 -2.803E+01	1.278E-01 8.732E+02	-7.154E+04 1.024E+04
38	1	-1.575E+02 1.575E+02	-6.050E+02 6.176E+02	-1.075E+01 1.075E+01	1.988E+01 -1.988E+01	6.710E+01 4.703E+02	2.445E+04 -5.501E+04
39	1	1.491E+01 -1.491E+01	4.609E+02 -4.483E+02	1.320E+01 -1.320E+01	8.758E+00 -8.758E+00	-2.984E+02 -3.615E+02	1.153E+05 -9.259E+04
40	1	-2.375E+02 2.375E+02	-4.474E+02 4.601E+02	1.239E+02 -1.239E+02	2.101E+00 -2.101E+00	-2.738E+03 -3.454E+03	-2.036E+04 -2.329E+03
41	1	5.833E+01 -5.833E+01	-2.443E+02 2.570E+02	2.060E+02 -2.060E+02	9.003E-01 -9.003E-01	-5.183E+03 -5.118E+03	-4.528E+03 -8.005E+03
42	1	1.253E+01 -1.253E+01	1.079E+02 -9.530E+01	2.237E+02 -2.237E+02	-4.160E+00 4.160E+00	-5.618E+03 -5.567E+03	3.229E+03 1.852E+03
43	1	-5.947E+01 5.947E+01	-3.403E+02 3.529E+02	6.110E+02 -6.110E+02	2.700E+01 -2.700E+01	-1.597E+04 -1.458E+04	-1.279E+04 -4.535E+03
44	1	1.436E+02 -1.436E+02	1.457E+03 -1.444E+03	-1.711E+01 1.711E+01	4.109E+01 -4.109E+01	4.803E+02 3.754E+02	7.749E+04 -4.968E+03
45	1	-2.526E+02 2.526E+02	6.433E+02 -6.306E+02	-1.575E+01 1.575E+01	2.626E+01 -2.626E+01	5.666E+02 2.207E+02	1.729E+04 1.456E+04

**FORZE / MOMENTI ELEMENTO FINITO TRAVE GRUPPO 5
005**

ASTA	CC	Fx	Fy	Fz	Mx	My	Mz
1	1	-1.376E+03 1.634E+03	-1.858E+03 1.858E+03	-2.120E+02 2.120E+02	1.436E+04 -1.436E+04	6.349E+04 9.436E+01	-2.813E+05 -2.762E+05
2	1	4.567E+02 -1.990E+02	3.674E-10 -3.674E-10	2.501E-12 -2.501E-12	-5.684E-14 5.684E-14	-7.567E-10 0.000E+00	1.106E-07 1.397E-09
3	1	-7.299E+02 9.876E+02	-3.441E+03 3.441E+03	-1.065E+02 1.065E+02	4.016E+04 -4.016E+04	3.186E+04 8.502E+01	-5.236E+05 -5.086E+05
4	1	-5.115E+01 2.688E+02	-4.683E+00 4.683E+00	-4.452E+01 4.452E+01	-7.233E+00 7.233E+00	7.893E+02 1.501E+04	2.902E+03 -4.565E+03
5	1	1.657E+03 -1.439E+03	-1.823E+02 1.823E+02	-2.100E+00 2.100E+00	1.455E+00 -1.455E+00	6.915E+02 5.415E+01	-1.011E+05 3.642E+04
6	1	-5.240E+01 2.700E+02	-4.603E+00 4.603E+00	4.460E+01 -4.460E+01	8.660E+00 -8.660E+00	-7.960E+02 -1.504E+04	2.855E+03 -4.489E+03
7	1	-1.459E+01 1.459E+01	7.076E+02 -5.881E+02	9.091E+01 -9.091E+01	-1.068E+03 1.068E+03	-1.124E+04 -4.877E+02	8.326E+04 3.100E+02
8	1	-4.460E+01 4.460E+01	-2.700E+02 3.210E+02	4.603E+00 -4.603E+00	-4.489E+03 4.489E+03	8.656E+00 -2.618E+02	-1.504E+04 -1.217E+03

9	1	-4.452E+01 4.452E+01	3.197E+02 -2.688E+02	-4.684E+00 4.684E+00	4.565E+03 -4.565E+03	2.648E+02 -7.230E+00	1.171E+03 1.501E+04
10	1	2.684E+02 -2.543E+02	-9.560E+01 9.560E+01	-2.993E+01 2.993E+01	2.228E+02 -2.228E+02	1.481E+03 -4.930E+02	5.632E+03 -8.787E+03
11	1	2.660E+02 -2.519E+02	-9.597E+01 9.597E+01	2.791E+01 -2.791E+01	-2.264E+02 2.264E+02	-1.435E+03 5.134E+02	5.518E+03 -8.685E+03
12	1	9.785E+01 -7.625E+01	4.313E+00 2.055E+01	1.678E+02 -1.678E+02	-1.000E+02 1.000E+02	-1.313E+04 1.692E+02	-4.185E+03 3.557E+03
13	1	3.449E+01 -1.317E+01	-7.105E+01 7.105E+01	1.678E+02 -1.678E+02	-1.933E+02 1.933E+02	-3.545E+01 -8.353E+03	-3.557E+03 4.857E+00
14	1	9.910E+01 -7.751E+01	5.371E+00 1.949E+01	-1.816E+02 1.816E+02	1.075E+02 -1.075E+02	1.420E+04 -1.663E+02	-4.106E+03 3.560E+03
15	1	3.611E+01 -1.479E+01	-7.130E+01 7.130E+01	-1.816E+02 1.816E+02	1.960E+02 -1.960E+02	2.791E+01 9.051E+03	-3.560E+03 -4.854E+00
16	1	-5.607E+01 5.607E+01	1.820E+02 -4.351E+01	-7.199E+01 7.199E+01	0.000E+00 0.000E+00	7.276E-12 2.340E+04	6.483E-12 3.665E+04
17	1	1.255E+02 -1.255E+02	5.831E+01 5.166E+01	-6.874E-01 6.874E-01	-4.860E+00 4.860E+00	-2.320E+04 2.338E+04	-2.760E+04 2.846E+04
18	1	-4.226E+01 4.226E+01	-3.849E+01 1.813E+02	7.036E+01 -7.036E+01	0.000E+00 0.000E+00	-2.357E+04 -1.455E-11	-3.681E+04 2.808E-12
19	1	2.389E+02 -2.173E+02	1.293E+02 -1.044E+02	-2.993E+01 2.993E+01	-2.261E+02 2.261E+02	4.915E+02 1.821E+03	8.787E+03 2.426E+02
20	1	1.650E+02 -1.434E+02	6.349E+01 -3.862E+01	-2.325E+02 2.325E+02	-1.646E+02 1.646E+02	2.548E+03 1.541E+04	-2.411E+02 4.186E+03
21	1	2.376E+02 -2.161E+02	1.273E+02 -1.024E+02	2.791E+01 -2.791E+01	2.392E+02 -2.392E+02	-5.076E+02 -1.649E+03	8.685E+03 1.867E+02
22	1	1.654E+02 -1.438E+02	6.312E+01 -3.825E+01	2.531E+02 -2.531E+02	1.755E+02 -1.755E+02	-3.022E+03 -1.654E+04	-1.882E+02 4.104E+03
23	1	-3.000E+02 3.000E+02	2.653E+01 2.612E+01	-7.296E-02 7.296E-02	-1.455E+00 1.455E+00	2.190E+03 -2.171E+03	-3.107E+03 3.159E+03
24	1	1.537E+02 -1.537E+02	2.707E+01 2.558E+01	-4.521E-01 4.521E-01	-1.484E+00 1.484E+00	7.550E+02 -6.383E+02	-1.483E+03 1.675E+03
25	1	1.003E+02 -1.003E+02	2.923E+01 3.914E+01	1.181E+01 -1.181E+01	0.000E+00 0.000E+00	-3.955E+03 0.000E+00	-1.659E+03 -4.534E-12
26	1	-4.890E+01 4.890E+01	3.817E+01 3.020E+01	1.222E+01 -1.222E+01	0.000E+00 0.000E+00	-4.094E+03 1.819E-12	1.336E+03 4.077E-12
27	1	-7.158E+01 7.158E+01	3.729E+01 2.904E+01	-1.294E+01 1.294E+01	0.000E+00 0.000E+00	4.207E+03 1.819E-12	1.340E+03 1.920E-12
28	1	1.347E+02 -1.347E+02	2.801E+01 3.832E+01	-1.226E+01 1.226E+01	0.000E+00 0.000E+00	3.983E+03 3.638E-12	-1.675E+03 4.256E-12
29	1	3.664E+03 -3.480E+03	2.044E+02 -2.044E+02	-9.828E+01 9.828E+01	2.473E+00 -2.473E+00	2.202E+04 7.465E+03	4.102E+04 2.030E+04
30	1	1.947E+03 -1.763E+03	1.863E+02 -1.863E+02	2.282E+02 -2.282E+02	-5.942E+00 5.942E+00	-4.668E+04 -2.177E+04	3.693E+04 1.896E+04
31	1	-3.555E+03 3.739E+03	-2.743E+02 2.743E+02	1.994E+02 -1.994E+02	6.729E+01 -6.729E+01	-3.825E+04 -2.156E+04	-4.307E+04 -3.922E+04
32	1	-1.610E+03 1.794E+03	-4.647E+01 4.647E+01	7.216E+01 -7.216E+01	4.803E+01 -4.803E+01	-1.124E+04 -1.041E+04	-5.973E+03 -7.969E+03
33	1	2.286E+03 -2.102E+03	-1.002E+03 1.002E+03	1.543E+01 -1.543E+01	-7.199E+01 7.199E+01	-4.570E+03 -5.758E+01	-1.415E+05 -1.592E+05
34	1	3.187E+03 -3.004E+03	-1.562E+03 1.562E+03	-1.127E+02 1.127E+02	3.904E+02 -3.904E+02	3.390E+04 -9.910E+01	-2.308E+05 -2.377E+05
35	1	-4.726E+02 5.553E+02	3.134E+01 -3.134E+01	-3.450E-01 3.450E-01	3.256E+01 -3.256E+01	2.489E+03 -2.442E+03	2.377E+03 1.854E+03
36	1	4.459E+02	6.806E+01	1.146E+02	1.017E+01	-9.446E+03	5.409E+03

		-3.631E+02	-6.806E+01	-1.146E+02	-1.017E+01	-6.029E+03	3.779E+03
37	1	-2.931E+02 4.158E+02	-9.761E+01 9.761E+01	-5.040E+01 5.040E+01	-5.359E+01 5.359E+01	5.958E+03 4.123E+03	-1.517E+04 -4.354E+03
38	1	2.591E+02 -1.365E+02	-2.789E+02 2.789E+02	-7.711E+01 7.711E+01	-7.947E+01 7.947E+01	9.891E+03 5.531E+03	-4.299E+04 -1.279E+04
39	1	-1.074E+02 1.473E+02	1.164E+01 9.258E+01	-6.238E+01 6.238E+01	5.831E+00 -5.831E+00	5.662E+03 5.691E+03	1.499E+03 -8.864E+03
40	1	-1.539E+01 5.524E+01	5.883E+01 4.540E+01	-6.152E+01 6.152E+01	9.163E+00 -9.163E+00	5.500E+03 5.696E+03	4.062E+03 -2.840E+03
41	1	-1.669E+01 1.669E+01	-5.870E+02 7.065E+02	-9.137E+01 9.137E+01	1.029E+03 -1.029E+03	4.882E+02 1.130E+04	-2.172E+02 -8.321E+04
42	1	-1.823E+02 1.823E+02	1.439E+03 -1.414E+03	2.100E+00 -2.100E+00	-5.417E+01 5.417E+01	1.472E+00 -5.816E+01	3.642E+04 2.096E+03

**FORZE / MOMENTI ELEMENTO FINITO TRAVE GRUPPO 6
vetro**

ASTA	CC	Fx	Fy	Fz	Mx	My	Mz
1	1	3.771E+03 -3.758E+03	-2.761E+00 2.761E+00	5.857E+00 -5.857E+00	-1.267E+01 1.267E+01	-8.004E+02 -6.639E+02	-3.863E+02 -3.039E+02
2	1	9.046E+02 -8.935E+02	-4.807E+00 4.807E+00	8.620E+00 -8.620E+00	-2.775E+01 2.775E+01	-8.449E+02 -8.791E+02	-5.147E+02 -4.466E+02
3	1	-5.890E+02 5.973E+02	-6.246E+00 6.246E+00	1.665E+01 -1.665E+01	-4.633E+01 4.633E+01	-1.335E+03 -1.162E+03	-5.167E+02 -4.203E+02
4	1	2.670E+02 -2.586E+02	-1.185E+00 1.185E+00	1.223E+01 -1.223E+01	-3.208E+01 3.208E+01	-9.215E+02 -9.125E+02	-1.381E+02 -3.960E+01
5	1	1.278E+02 -1.167E+02	-1.199E+00 1.199E+00	8.774E+00 -8.774E+00	-2.043E+01 2.043E+01	-8.755E+02 -8.794E+02	-1.571E+02 -8.265E+01
6	1	-9.994E+02 1.013E+03	-1.085E+00 1.085E+00	4.186E+00 -4.186E+00	-1.107E+01 1.107E+01	-5.126E+02 -5.339E+02	-1.503E+02 -1.209E+02
7	1	1.877E+02 -1.858E+02	1.029E+00 -1.029E+00	1.308E+01 -1.308E+01	4.539E+01 -4.539E+01	-3.212E+02 -1.200E+02	1.372E+02 -1.025E+02
8	1	5.868E+02 -5.831E+02	-2.929E+00 2.929E+00	2.716E+00 -2.717E+00	3.609E+01 -3.609E+01	-1.183E+02 -6.485E+01	-1.009E+02 -9.670E+01
9	1	7.821E+02 -7.751E+02	-2.710E+00 2.710E+00	-6.255E+00 6.255E+00	2.806E+01 -2.806E+01	4.717E+02 3.138E+02	-1.460E+02 -1.943E+02
10	1	-4.268E+02 4.379E+02	-2.480E+00 2.480E+00	-7.720E+00 7.720E+00	1.891E+01 -1.891E+01	7.565E+02 7.874E+02	-2.100E+02 -2.859E+02
11	1	-1.873E+03 1.887E+03	-1.237E+00 1.237E+00	-4.862E+00 4.862E+00	9.510E+00 -9.510E+00	5.873E+02 6.281E+02	-1.078E+02 -2.015E+02
12	1	-8.249E+02 8.305E+02	-9.817E-01 9.817E-01	4.884E+00 -4.884E+00	-3.580E+01 3.580E+01	-2.410E+02 -2.474E+02	-8.860E+01 -9.567E+00
13	1	-1.443E+03 1.445E+03	-2.050E+00 2.050E+00	-1.247E+01 1.247E+01	-4.150E+01 4.150E+01	3.393E+02 2.841E+02	-9.123E+01 -1.127E+01
14	1	-8.164E+01 8.442E+01	-7.260E+00 7.260E+00	1.168E+00 -1.168E+00	-7.213E+01 7.213E+01	-4.139E+00 -5.428E+01	-2.814E+02 -8.161E+01
15	1	-2.591E+03 2.597E+03	-7.541E+00 7.541E+00	3.111E+00 -3.111E+00	-5.952E+01 5.952E+01	-7.527E+01 -2.358E+02	-4.036E+02 -3.505E+02
16	1	-5.821E-11 1.355E+00	-1.563E-13 1.563E-13	-5.632E-13 5.632E-13	0.000E+00 0.000E+00	1.884E-12 -1.966E-12	-5.343E-12 -2.274E-12
17	1	-5.821E-11 1.807E+00	2.747E-14 -2.747E-14	8.424E-14 -8.424E-14	0.000E+00 0.000E+00	2.845E-12 6.213E-13	-5.246E-13 -3.252E-13
18	1	0.000E+00 9.034E-01	5.384E-14 -5.384E-14	4.790E-13 -3.257E-04	0.000E+00 0.000E+00	-5.537E-13 -2.652E-03	-1.472E-13 -4.452E-13
19	1	7.751E+02 -7.738E+02	-2.710E+00 2.710E+00	-6.255E+00 6.255E+00	2.806E+01 -2.806E+01	-3.138E+02 4.666E+02	1.943E+02 -2.604E+02

20	1	5.831E+02	-2.929E+00	2.807E+00	3.607E+01	6.485E+01	9.671E+01
		-5.812E+02	2.929E+00	-2.807E+00	-3.607E+01	-1.563E+02	-1.921E+02
21	1	1.858E+02	1.029E+00	1.303E+01	4.542E+01	1.200E+02	1.025E+02
		-1.849E+02	-1.029E+00	-1.303E+01	-4.542E+01	-3.321E+02	-8.573E+01

FORZE / MOMENTI ELEMENTO FINITO TRAVE GRUPPO 7
controvento

ASTA	CC	Fx	Fy	Fz	Mx	My	Mz
1	1	-8.150E+03	2.355E+02	2.061E+00	2.533E-01	-9.609E+01	4.306E+03
		8.191E+03	-2.140E+02	-2.061E+00	-2.533E-01	-2.774E+02	3.641E+04
2	1	-7.532E+03	-5.553E+01	8.180E-01	6.327E-01	2.546E+02	-4.204E+03
		7.572E+03	7.701E+01	-8.180E-01	-6.327E-01	-4.028E+02	-7.802E+03
3	1	-7.934E+03	1.689E+02	-3.844E+00	-7.282E+00	4.088E+02	1.990E+03
		7.975E+03	-1.474E+02	3.844E+00	7.282E+00	2.876E+02	2.666E+04
4	1	-7.809E+03	-9.751E+01	1.680E-01	-1.913E+00	-1.220E+02	-7.865E+03
		7.850E+03	1.190E+02	-1.680E-01	1.913E+00	9.155E+01	-1.175E+04
5	1	9.373E+03	-3.898E+02	3.870E-01	-1.915E+00	-1.417E+02	-5.533E+04
		-9.332E+03	4.113E+02	-3.870E-01	1.915E+00	7.158E+01	-1.724E+04
6	1	9.207E+03	3.633E+01	2.282E+00	6.151E-01	-7.588E+01	9.800E+03
		-9.166E+03	-1.484E+01	-2.282E+00	-6.151E-01	-3.376E+02	-5.165E+03
7	1	9.042E+03	-3.414E+02	-2.550E+00	5.255E+00	2.784E+02	-4.773E+04
		-9.002E+03	3.629E+02	2.550E+00	-5.255E+00	1.836E+02	-1.608E+04
8	1	9.001E+03	7.442E+01	-7.211E+00	4.701E+00	-1.737E+02	1.027E+04
		-8.960E+03	-5.293E+01	7.211E+00	-4.701E+00	1.480E+03	1.269E+03
9	1	-2.242E+02	-2.212E+02	4.983E+00	2.528E+00	-6.523E+02	-2.499E+04
		2.621E+02	2.427E+02	-4.983E+00	-2.528E+00	-2.067E+02	-1.499E+04
10	1	-2.690E+02	2.270E+02	1.400E+01	-2.011E+01	1.905E+02	1.678E+04
		3.069E+02	-2.056E+02	-1.400E+01	2.011E+01	-2.604E+03	2.051E+04
11	1	-1.232E+03	-1.736E+02	4.086E+00	-3.893E+00	-7.362E+01	-1.641E+04
		1.270E+03	1.951E+02	-4.086E+00	3.893E+00	-6.309E+02	-1.538E+04
12	1	-1.231E+03	2.123E+02	-2.059E+01	2.034E+01	6.456E+02	1.314E+04
		1.269E+03	-1.908E+02	2.059E+01	-2.034E+01	2.904E+03	2.160E+04
13	1	2.358E+03	-1.116E+02	1.914E+01	1.770E+01	-2.445E+03	-1.834E+04
		-2.320E+03	1.331E+02	-1.914E+01	-1.770E+01	-8.539E+02	-2.760E+03
14	1	1.951E+03	4.309E+01	-5.538E+00	-7.371E+00	8.407E+02	5.157E+02
		-1.913E+03	-2.161E+01	5.538E+00	7.371E+00	1.141E+02	5.062E+03
15	1	2.519E+03	-6.577E+01	-1.136E+01	-8.360E+00	1.316E+03	-1.067E+04
		-2.481E+03	8.725E+01	1.136E+01	8.360E+00	6.430E+02	-2.524E+03
16	1	2.082E+03	1.601E+02	-2.345E+00	1.722E+01	-6.320E+02	4.314E+03
		-2.044E+03	-1.386E+02	2.345E+00	-1.722E+01	1.036E+03	2.143E+04
17	1	1.662E+03	6.662E+01	-9.189E+00	1.670E+01	7.426E+02	2.068E+02
		-1.624E+03	-4.513E+01	9.189E+00	-1.670E+01	8.416E+02	9.427E+03
18	1	1.869E+03	-1.280E+02	-1.255E+01	-2.219E+01	2.879E+03	-1.665E+04
		-1.831E+03	1.495E+02	1.255E+01	2.219E+01	-7.157E+02	-7.272E+03
19	1	2.119E+03	1.769E+01	-3.225E+00	1.620E+01	5.032E+02	-2.087E+02
		-2.081E+03	3.796E+00	3.225E+00	-1.620E+01	5.280E+01	1.406E+03
20	1	2.199E+03	-1.150E+02	1.391E+01	9.655E+00	-1.892E+03	-1.712E+04
		-2.161E+03	1.364E+02	-1.391E+01	-9.655E+00	-5.058E+02	-4.555E+03
21	1	-1.343E+03	3.004E+01	-6.684E+00	-8.891E-02	7.799E+02	1.433E+03
		1.381E+03	-8.560E+00	6.684E+00	8.891E-02	3.725E+02	1.895E+03
22	1	-1.194E+03	-6.374E+01	1.045E+01	1.063E+00	-1.014E+03	-6.646E+03
		1.232E+03	8.523E+01	-1.045E+01	-1.063E+00	-7.868E+02	-6.196E+03
23	1	-1.968E+03	5.062E+01	8.527E+00	-1.366E+01	-6.224E+02	3.994E+03
		2.006E+03	-2.913E+01	-8.527E+00	1.366E+01	-8.477E+02	2.881E+03

24	1	-1.832E+03 1.870E+03	-1.841E+02 2.055E+02	5.166E+00 -5.166E+00	2.946E+01 -2.946E+01	-1.494E+03 6.029E+02	-2.253E+04 -1.106E+04
25	1	5.525E+02 -5.225E+02	1.458E+00 2.400E+01	-1.418E+00 1.418E+00	-1.612E+00 1.612E+00	-8.005E+01 3.006E+02	-2.345E+02 -1.518E+03
26	1	7.458E+02 -7.252E+02	-4.670E+01 6.422E+01	-9.056E+00 9.056E+00	3.659E+00 -3.659E+00	8.770E+02 9.207E+01	-2.541E+03 -3.393E+03
27	1	-1.023E+02 1.158E+02	3.529E+01 -1.777E+01	5.218E+00 -5.218E+00	-7.923E+00 7.923E+00	-4.341E+02 -2.260E+01	2.040E+03 2.822E+02
28	1	-1.107E+01 3.168E+01	-1.080E+02 1.334E+02	-2.421E+00 2.421E+00	-5.911E+00 5.911E+00	-1.252E+02 4.388E+02	-9.970E+03 -5.668E+03
29	1	2.176E+02 -1.876E+02	-2.467E+01 5.012E+01	-2.197E+00 2.197E+00	-1.761E-01 1.761E-01	-5.910E+00 3.474E+02	-1.892E+03 -3.922E+03
30	1	5.352E+02 -5.146E+02	-7.794E+01 9.545E+01	-4.243E+00 4.243E+00	1.283E+01 -1.283E+01	4.483E+02 5.695E+00	-3.534E+03 -5.742E+03
31	1	4.574E+02 -4.438E+02	3.316E+01 -1.564E+01	4.398E+00 -4.398E+00	-8.358E+00 8.358E+00	-2.832E+02 -1.018E+02	2.490E+03 -3.542E+02
32	1	5.565E+02 -5.359E+02	-2.473E+02 2.728E+02	2.351E+00 -2.351E+00	-1.486E+01 1.486E+01	-6.005E+02 2.959E+02	-2.357E+04 -1.012E+04

FORZE / MOMENTI ELEMENTO FINITO TRAVE GRUPPO 8
gfd

ASTA	CC	Fx	Fy	Fz	Mx	My	Mz
1	1	3.037E+03 -3.037E+03	5.941E+02 -5.223E+02	4.691E+00 -4.691E+00	-3.526E-01 3.526E-01	2.806E+03 -3.603E+03	2.775E+04 6.715E+04
2	1	2.332E+03 -2.332E+03	3.548E+02 8.390E+02	-8.848E+00 8.848E+00	-6.193E+00 6.193E+00	-1.188E+03 2.692E+03	-1.101E+04 -3.014E+04
3	1	0.000E+00 0.000E+00	9.950E+01 0.000E+00	-1.241E-12 1.241E-12	0.000E+00 0.000E+00	-9.234E-11 -1.108E-10	7.462E+03 0.000E+00
4	1	0.000E+00 0.000E+00	0.000E+00 9.950E+01	5.789E-13 -5.789E-13	0.000E+00 0.000E+00	-9.236E-11 -1.109E-10	0.000E+00 -7.462E+03
5	1	2.861E+03 -2.861E+03	-3.097E+02 3.815E+02	-1.965E+02 1.965E+02	3.637E+01 -3.637E+01	1.596E+04 1.745E+04	-4.550E+04 -1.326E+04
6	1	5.003E+03 -5.003E+03	-1.858E+03 1.929E+03	-2.191E+02 2.191E+02	-1.481E+01 1.481E+01	1.980E+04 1.746E+04	-1.824E+05 -1.395E+05
7	1	1.562E+03 -1.562E+03	-2.917E+03 3.004E+03	-1.127E+02 1.127E+02	-9.933E+01 9.933E+01	2.270E+04 3.902E+02	-3.691E+05 -2.377E+05
8	1	1.002E+03 -1.002E+03	-2.016E+03 2.102E+03	1.543E+01 -1.543E+01	-5.773E+01 5.773E+01	-3.091E+03 -7.213E+01	-2.629E+05 -1.592E+05

TENSIONI/MOMENTI ELEMENTO FINITO GUSCIO GRUPPO 1
piano rigido

ELEM	CC	Sxx	Syy	Sxy	Mxx	Myy	Mxy	Sig.id.sup
Sig.id.inf 1 +1.017e+001	1	-0.6547E-01	0.4590E+00	-0.3781E+00	-0.7819E+03	-0.4170E+03	0.4682E+01	+1.023e+001
2 +1.910e+001	1	0.4896E+00	0.4041E+00	-0.1747E+00	-0.2951E+03	0.8827E+03	-0.4205E+03	+1.953e+001
3 +2.106e+001	1	0.6308E-01	0.7348E-01	-0.4973E+00	-0.5401E+03	0.7281E+03	-0.5359E+03	+2.219e+001
4 +6.020e+000	1	-0.2592E+00	0.6984E+00	-0.1283E+00	0.2770E+02	-0.2124E+03	-0.1722E+03	+5.353e+000
5 +4.126e+001	1	-0.2870E-01	0.5247E+00	-0.1869E+00	-0.1032E+04	-0.4056E+03	-0.1514E+04	+4.193e+001
6 +3.127e+001	1	0.2786E+00	0.4259E+00	0.2026E-02	-0.2224E+03	0.1918E+04	-0.2952E+03	+3.178e+001

7 +5.435e+000	1	-0.4273E-01	0.2145E+00	-0.2366E+00	-0.4179E+03	-0.1759E+03	0.8707E+01	+5.517e+000
8 +2.113e+001	1	0.1978E+00	0.2250E+00	-0.2778E+00	-0.5527E+03	0.4481E+03	0.6222E+03	+2.039e+001
9 +1.937e+001	1	-0.9924E+00	0.1432E+00	-0.2626E+01	0.2544E+02	-0.1362E+03	0.1169E+03	+1.126e+001
10 +1.768e+001	1	-0.3175E+00	0.8435E+00	0.1734E+01	0.3345E+02	0.1031E+03	0.1931E+03	+2.393e+001
11 +1.122e+001	1	0.3689E+00	-0.5603E+00	-0.8399E+00	-0.1179E+03	-0.3606E+02	-0.9996E+02	+1.320e+001
12 +1.218e+001	1	0.6512E+00	0.4686E-01	-0.8266E+00	-0.1943E+03	-0.1616E+02	0.1404E+02	+1.058e+001
13 +7.939e+000	1	0.9080E+00	0.3028E+00	-0.8308E+00	0.2229E+02	0.1658E+01	0.6236E+02	+5.451e+000
14 +1.462e+001	1	0.4996E+00	-0.2831E+00	0.4760E+00	0.2313E+03	0.4248E+02	-0.6949E+02	+1.484e+001
15 +2.220e+001	1	-0.1160E+00	-0.1706E+01	-0.1341E+01	0.2634E+03	-0.7233E+01	0.1322E+03	+2.036e+001
16 +4.549e+000	1	-0.1528E-01	-0.5181E+01	-0.1645E+01	0.8160E+02	-0.2939E+02	-0.1494E+02	+1.119e+001
17 +1.734e+001	1	0.1421E+00	-0.1020E+01	0.9273E+00	0.1675E+03	0.5083E+02	0.1602E+03	+2.051e+001
18 +1.944e+001	1	0.1839E+00	-0.6474E-01	0.1103E+00	-0.1993E+03	-0.2630E+03	0.1289E+03	+1.969e+001
19 +1.669e+001	1	0.2265E+00	0.1890E-02	0.1077E+00	-0.1567E+03	-0.3209E+03	0.7267E+01	+1.671e+001
20 +2.164e+001	1	0.2642E+00	0.9100E-02	0.1087E+00	-0.1453E+03	-0.2677E+03	-0.1574E+03	+2.133e+001
21 +3.155e+001	1	0.3072E+00	0.8471E-01	0.1071E+00	-0.1624E+02	-0.1241E+03	-0.2943E+03	+3.121e+001
22 +4.063e+001	1	-0.4069E+00	-0.2889E+00	-0.3918E+00	-0.3621E+02	-0.2077E+03	-0.3818E+03	+4.201e+001
23 +2.491e+001	1	-0.2316E+00	-0.3496E-01	-0.3888E+00	-0.1723E+03	-0.3746E+03	-0.1560E+03	+2.580e+001
24 +2.306e+001	1	-0.6640E-01	-0.3915E-01	-0.4301E+00	-0.1740E+03	-0.4408E+03	0.1666E+01	+2.311e+001
25 +2.708e+001	1	0.1177E+00	0.2933E-02	-0.4833E+00	-0.2746E+03	-0.4343E+03	0.1318E+03	+2.618e+001
26 +9.899e+000	1	0.2458E+00	-0.1601E+01	0.2615E+00	0.1134E+03	-0.6976E+02	0.5823E+02	+1.290e+001
27 +1.940e+001	1	0.3601E+00	0.2765E+00	-0.5020E+00	0.1029E+03	-0.1700E+03	0.1178E+03	+1.831e+001
28 +1.884e+001	1	-0.1448E+00	0.7472E+00	0.3221E+00	0.3010E+03	-0.2128E+01	-0.1985E+02	+1.768e+001
29 +2.394e+001	1	0.8245E+00	0.9118E+00	-0.6111E+00	0.2000E+03	0.4197E+01	0.1918E+03	+2.252e+001

MASSIME TENSIONI/MOMENTI / ELEM CC CORRISPONDENTI

Sig.id.inf	Sxx	Syy	Sxy	Mxx	Myy	Mxy	Sig.id.sup
Max.Neg. +0.00e+000 (Elem) (CC) 0)	-9.92e-001	-5.18e+000	-2.63e+000	-1.03e+003	-4.41e+002	-1.51e+003	+0.00e+000
Max.Pos. +4.13e+001 (Elem) (CC) 1)	+9.08e-001	+9.12e-001	+1.73e+000	+3.01e+002	+1.92e+003	+6.22e+002	+4.20e+001

ELEMENTO FINITO TRAVE DI FONDAZIONE GRUPPO 1
df

***** TRAVE NUMERO 1 Lunghezza 205.00								
DISTANZA	C.C.	Fy	Mx	Mz	Spost. Z	Rotaz. X	Rotaz. Y	Press. suolo
0.000	1	-7.131e+002	+3.065e+002	+1.500e+005	-2.793e-001	+1.395e-003	-7.407e-004	2.79262
41.000	1	+1.558e+003	+3.065e+002	+1.792e+005	-2.550e-001	+1.193e-003	-3.434e-004	2.55040
82.000	1	+3.807e+003	+3.065e+002	+1.153e+005	-2.526e-001	+9.901e-004	+1.197e-005	2.52611
123.000	1	+6.174e+003	+3.065e+002	-4.075e+004	-2.656e-001	+7.875e-004	+1.020e-004	2.65616
164.000	1	+8.660e+003	+3.065e+002	-2.939e+005	-2.788e-001	+5.849e-004	-3.018e-004	2.78821
205.000	1	-8.660e+003	-3.065e+002	+6.489e+005	-2.674e-001	+3.824e-004	-1.439e-003	2.67395

***** TRAVE NUMERO 2 Lunghezza 170.00								
DISTANZA	C.C.	Fy	Mx	Mz	Spost. Z	Rotaz. X	Rotaz. Y	Press. suolo
0.000	1	-1.298e+002	+1.219e+002	+1.416e+005	-2.674e-001	+3.824e-004	-1.439e-003	2.67395
34.000	1	+1.514e+003	+1.219e+002	+1.460e+005	-2.231e-001	+3.155e-004	-1.152e-003	2.23061
68.000	1	+2.922e+003	+1.219e+002	+9.452e+004	-1.914e-001	+2.487e-004	-9.109e-004	1.91386
102.000	1	+4.158e+003	+1.219e+002	-4.818e+003	-1.685e-001	+1.818e-004	-8.211e-004	1.68475
136.000	1	+5.235e+003	+1.219e+002	-1.462e+005	-1.473e-001	+1.150e-004	-9.722e-004	1.47286
170.000	1	-5.235e+003	-1.219e+002	+3.242e+005	-1.179e-001	+4.815e-005	-1.443e-003	1.17938

***** TRAVE NUMERO 3 Lunghezza 170.00								
DISTANZA	C.C.	Fy	Mx	Mz	Spost. Z	Rotaz. X	Rotaz. Y	Press. suolo
0.000	1	-6.208e+002	+2.774e+001	-1.183e+005	-1.179e-001	+4.815e-005	-1.443e-003	1.17938
34.000	1	-6.208e+002	+2.774e+001	-9.715e+004	-6.383e-002	+3.295e-005	-1.658e-003	0.63831
68.000	1	-1.677e+002	+2.774e+001	-9.145e+004	-3.865e-003	+1.774e-005	-1.847e-003	0.03865
102.000	1	-6.534e+002	+2.774e+001	-8.590e+004	+6.231e-002	+2.540e-006	-2.024e-003	-0.62314
136.000	1	-1.689e+003	+2.774e+001	-6.369e+004	+1.352e-001	-1.266e-005	-2.174e-003	-1.35151
170.000	1	+1.689e+003	-2.774e+001	+6.273e+003	+2.140e-001	-2.787e-005	-2.244e-003	-2.14037

***** TRAVE NUMERO 4 Lunghezza 205.00								
DISTANZA	C.C.	Fy	Mx	Mz	Spost. Z	Rotaz. X	Rotaz. Y	Press. suolo
0.000	1	-3.243e+003	-2.464e+002	+7.318e+004	-4.576e-001	+2.913e-005	-1.515e-003	4.57641
41.000	1	-3.243e+003	-2.464e+002	+2.061e+005	-3.934e-001	+1.920e-004	-1.178e-003	3.93356
82.000	1	+3.456e+003	-2.464e+002	+1.948e+005	-3.558e-001	+3.549e-004	-6.940e-004	3.55756
123.000	1	+6.521e+003	-2.464e+002	+5.314e+004	-3.431e-001	+5.177e-004	-3.949e-004	3.43117
164.000	1	+9.570e+003	-2.464e+002	-2.142e+005	-3.412e-001	+6.806e-004	-5.892e-004	3.41216
205.000	1	-9.570e+003	+2.464e+002	+6.066e+005	-3.236e-001	+8.435e-004	-1.580e-003	3.23573

***** TRAVE NUMERO 5 Lunghezza 170.00								
DISTANZA	C.C.	Fy	Mx	Mz	Spost. Z	Rotaz. X	Rotaz. Y	Press. suolo
0.000	1	-1.478e+003	+2.833e+002	+5.911e+004	-3.236e-001	+8.435e-004	-1.580e-003	3.23573
34.000	1	-1.478e+003	+2.833e+002	+1.094e+005	-2.694e-001	+6.882e-004	-1.411e-003	2.69429
68.000	1	+2.179e+003	+2.833e+002	+9.192e+004	-2.260e-001	+5.329e-004	-1.210e-003	2.26026
102.000	1	+3.589e+003	+2.833e+002	+1.782e+004	-1.916e-001	+3.776e-004	-1.100e-003	1.91641
136.000	1	+4.767e+003	+2.833e+002	+1.042e+005	-1.608e-001	+2.224e-004	-1.186e-003	1.60803
170.000	1	-4.767e+003	-2.833e+002	+2.663e+005	-1.248e-001	+6.707e-005	-1.557e-003	1.24831

***** TRAVE NUMERO 6 Lunghezza 170.00								
DISTANZA	C.C.	Fy	Mx	Mz	Spost. Z	Rotaz. X	Rotaz. Y	Press. suolo
0.000	1	-5.132e+002	-5.165e+001	-9.257e+004	-1.248e-001	+6.707e-005	-1.557e-003	1.24831
34.000	1	-5.132e+002	-5.165e+001	-7.512e+004	-6.790e-002	+9.538e-005	-1.725e-003	0.67898
68.000	1	-2.966e+001	-5.165e+001	-7.411e+004	-6.655e-003	+1.237e-004	-1.874e-003	0.06655
102.000	1	-4.742e+002	-5.165e+001	-7.397e+004	+5.959e-002	+1.520e-004	-2.022e-003	-0.59588
136.000	1	-1.483e+003	-5.165e+001	-5.785e+004	+1.316e-001	+1.803e-004	-2.154e-003	-1.31642
170.000	1	+1.483e+003	+5.165e+001	+7.423e+003	+2.093e-001	+2.086e-004	-2.219e-003	-2.09305

Pressione massima nel gruppo: 4.576 Trave numero 4 Distanza: 0.000

FORZE / MOMENTI ELEMENTO FINITO VINCOLO GRUPPO 1
D

NODO	CC	FX	FY	FZ	MX	MY	MZ
1	1	+1.051e+003	-4.151e+002	+1.567e+004	+0.000e+000	+0.000e+000	+0.000e+000
7	1	+7.483e+002	+2.822e+002	+3.352e+003	+0.000e+000	+0.000e+000	+0.000e+000
17	1	+0.000e+000	+2.274e+002	+5.275e+002	+0.000e+000	+0.000e+000	+0.000e+000
18	1	+0.000e+000	-2.465e+002	+3.192e+003	+0.000e+000	+0.000e+000	+0.000e+000
19	1	+0.000e+000	-2.340e+002	+2.402e+003	+0.000e+000	+0.000e+000	+0.000e+000

20	1	+0.000e+000	-2.459e+002	+2.354e+003	+0.000e+000	+0.000e+000	+0.000e+000
22	1	+0.000e+000	+1.924e+002	+1.537e+002	+0.000e+000	+0.000e+000	+0.000e+000
23	1	+0.000e+000	+1.829e+003	+1.810e+002	+0.000e+000	+0.000e+000	+0.000e+000
29	1	+0.000e+000	+1.876e+003	+2.240e+003	+0.000e+000	+0.000e+000	+0.000e+000
30	1	+0.000e+000	+2.486e+003	+9.094e+002	+0.000e+000	+0.000e+000	+0.000e+000
31	1	+4.680e+000	-5.619e+000	+4.995e+002	+0.000e+000	+0.000e+000	+0.000e+000
33	1	+7.542e+001	+1.325e+000	+9.086e+002	+0.000e+000	+0.000e+000	+0.000e+000
35	1	+4.384e+001	-2.871e+000	+1.774e+003	+0.000e+000	+0.000e+000	+0.000e+000
37	1	+7.506e+001	-5.459e+000	+8.913e+002	+0.000e+000	+0.000e+000	+0.000e+000
39	1	+4.607e+000	+5.539e+000	+4.980e+002	+0.000e+000	+0.000e+000	+0.000e+000
41	1	+3.132e+002	-1.122e+000	+4.138e+003	+0.000e+000	+0.000e+000	+0.000e+000
49	1	+0.000e+000	-2.703e+003	+6.890e+003	+0.000e+000	+0.000e+000	+0.000e+000
69	1	+0.000e+000	-4.525e+001	+3.077e+001	+0.000e+000	+0.000e+000	+0.000e+000
76	1	+0.000e+000	+9.056e+002	+2.689e+003	+0.000e+000	+0.000e+000	+0.000e+000
77	1	+0.000e+000	+9.019e+002	+2.460e+003	+0.000e+000	+0.000e+000	+0.000e+000
78	1	+0.000e+000	+1.012e+003	+3.649e+003	+0.000e+000	+0.000e+000	+0.000e+000
79	1	+0.000e+000	+9.172e+002	+2.669e+003	+0.000e+000	+0.000e+000	+0.000e+000
110	1	+7.778e+001	-5.850e+003	+7.939e+003	-2.841e+005	+1.572e+004	+2.375e+004
136	1	+0.000e+000	-3.245e+003	+3.381e+003	+0.000e+000	+0.000e+000	+0.000e+000
139	1	+0.000e+000	+5.565e+001	+7.158e+003	+0.000e+000	+0.000e+000	+0.000e+000
140	1	+0.000e+000	-1.299e+003	-3.222e+002	+0.000e+000	+0.000e+000	+0.000e+000
179	1	+0.000e+000	-6.533e+002	-2.086e+003	+0.000e+000	+0.000e+000	+0.000e+000
180	1	+0.000e+000	+8.269e+002	+8.793e+003	+0.000e+000	+0.000e+000	+0.000e+000
181	1	+0.000e+000	+2.784e+003	+3.730e+003	+0.000e+000	+0.000e+000	+0.000e+000
182	1	+0.000e+000	+2.274e+002	-1.788e+003	+0.000e+000	+0.000e+000	+0.000e+000

**FORZE / MOMENTI ELEMENTO FINITO VINCOLO GRUPPO 2
002**

NODO	CC	FX	FY	FZ	MX	MY	MZ
99	1	-7.036e+001	+4.226e+001	+1.813e+002	+0.000e+000	+0.000e+000	+0.000e+000
100	1	-7.199e+001	-5.606e+001	+1.820e+002	+0.000e+000	+0.000e+000	+0.000e+000
105	1	-1.226e+001	+1.348e+002	+3.832e+001	+0.000e+000	+0.000e+000	+0.000e+000
106	1	-1.294e+001	-7.157e+001	+2.904e+001	+0.000e+000	+0.000e+000	+0.000e+000
107	1	-1.181e+001	-1.003e+002	+3.914e+001	+0.000e+000	+0.000e+000	+0.000e+000
108	1	-1.222e+001	+4.890e+001	+3.020e+001	+0.000e+000	+0.000e+000	+0.000e+000

CALCOLO MASCHI EQUIVALENTI

Area sezione orizzontale A = 14400,0cmq= 1,44mq

Tensione tangenziale caratteristica τ_k = 12,0t/mq = 1,2Kg/cmq
Modulo di elasticità tangenziale G= 13200,0t/mq = 1320,0Kg/cmq
Modulo di elasticità normale E= 79200,0t/mq = 79200,0Kg/cmq

Rigidezza del maschio attuale =
$$\frac{G \cdot A}{1,2 \cdot h} \cdot \frac{1}{1 + \frac{1}{1,2} \cdot \frac{G}{E} \left(\frac{h}{b}\right)^2} = \mathbf{4545,9} \quad \text{t/m}$$

Maschio Pintermedio-PI

Spessore del maschio s = 12,0cm = 0,120m
Lunghezza del maschio b = 400,0cm = 4,000m
Altezza del maschio h = 320,0cm = 3,200m

Area sezione orizzontale A = 4800,0cmq= 0,48mq

Tensione tangenziale caratteristica τ_k = 12,0t/mq = 1,2Kg/cmq
Modulo di elasticità tangenziale G= 13200,0t/mq = 1320,0Kg/cmq
Modulo di elasticità normale E= 79200,0t/mq = 79200,0Kg/cmq

Rigidezza del maschio attuale =
$$\frac{G \cdot A}{1,2 \cdot h} \cdot \frac{1}{1 + \frac{1}{1,2} \cdot \frac{G}{E} \left(\frac{h}{b}\right)^2} = \mathbf{1515,3} \quad \text{t/m}$$

Maschio PI COPERTURA

Spessore del maschio s = 8,0cm = 0,080m
Lunghezza del maschio b = 400,0cm = 4,000m
Altezza del maschio h = 400,0cm = 4,000m

Area sezione orizzontale A = 3200,0cmq= 0,32mq

Tensione tangenziale caratteristica τ_k = 12,0t/mq = 1,2Kg/cmq
Modulo di elasticità tangenziale G= 13200,0t/mq = 1320,0Kg/cmq
Modulo di elasticità normale E= 79200,0t/mq = 79200,0Kg/cmq

Rigidezza del maschio attuale =
$$\frac{G \cdot A}{1,2 \cdot h} \cdot \frac{1}{1 + \frac{1}{1,2} \cdot \frac{G}{E} \left(\frac{h}{b}\right)^2} = \mathbf{772,7} \quad \text{t/m}$$