COMUNE DI SORDIO

provincia di Lodi

REALIZZAZIONE NUOVO ASILO NIDO

PROGETTO ESECUTIVO

C.U.P. (Codice Unico Progetto): E72J24000030005

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relazione sulle opere di fondazione

elaborato ROF

settembre 2024

1 SOMMARIO

2 RELAZIONE SULLE OPERE DI FONDAZIONE

2.1 RISULTATI OPERE DI FONDAZIONE

Il controllo dei risultati delle analisi condotte, per quanto concerne le opere di fondazione, è possibile in relazione alla tabella sotto riportate, riferita alle fondazioni tipo platea su suolo elastico.

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

Nodo (G)	**Pt 1/12**	**Pt 2/13**	**Pt 3...**	**Pt 4...**							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
1	-0.40	-0.29	-0.27	-0.27	-0.29	-0.29	-0.28	-0.27			
2	-0.35	-0.25	-0.24	-0.23	-0.23	-0.23	-0.23	-0.23			
3	-0.40	-0.28	-0.27	-0.26	-0.26	-0.26	-0.26	-0.26			
4	-0.39	-0.28	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26			
5	-0.39	-0.28	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26			
6	-0.39	-0.28	-0.26	-0.26	-0.26	-0.26	-0.26	-0.26			
7	-0.38	-0.27	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25			
8	-0.36	-0.26	-0.24	-0.24	-0.25	-0.25	-0.25	-0.24			
9	-0.45	-0.32	-0.31	-0.31	-0.34	-0.33	-0.33	-0.31			
10	-0.44	-0.32	-0.30	-0.30	-0.31	-0.31	-0.31	-0.30			
11	-0.43	-0.31	-0.29	-0.29	-0.31	-0.30	-0.30	-0.29			
12	-0.44	-0.32	-0.30	-0.30	-0.31	-0.31	-0.31	-0.30			
13	-0.44	-0.31	-0.30	-0.29	-0.31	-0.30	-0.30	-0.29			
14	-0.43	-0.30	-0.29	-0.28	-0.30	-0.29	-0.29	-0.28			
15	-0.43	-0.30	-0.29	-0.28	-0.30	-0.29	-0.29	-0.28			
16	-0.43	-0.30	-0.29	-0.28	-0.30	-0.29	-0.29	-0.28			
17	-0.43	-0.31	-0.29	-0.29	-0.31	-0.31	-0.30	-0.29			
18	-0.45	-0.32	-0.31	-0.31	-0.34	-0.33	-0.33	-0.31			
19	-0.43	-0.30	-0.29	-0.28	-0.30	-0.29	-0.29	-0.28			
20	-0.44	-0.31	-0.30	-0.29	-0.31	-0.30	-0.30	-0.29			
21	-0.43	-0.31	-0.29	-0.29	-0.30	-0.30	-0.30	-0.29			
22	-0.43	-0.31	-0.29	-0.29	-0.30	-0.30	-0.30	-0.29			
23	-0.43	-0.31	-0.29	-0.29	-0.30	-0.30	-0.30	-0.29			
24	-0.43	-0.31	-0.29	-0.29	-0.31	-0.30	-0.30	-0.29			
25	-0.43	-0.31	-0.29	-0.29	-0.31	-0.31	-0.30	-0.29			
26	-0.47	-0.33	-0.32	-0.32	-0.37	-0.35	-0.35	-0.32			
27	-0.52	-0.37	-0.35	-0.35	-0.37	-0.36	-0.36	-0.35			
28	-0.55	-0.39	-0.37	-0.37	-0.43	-0.41	-0.41	-0.37			
29	-0.47	-0.33	-0.32	-0.32	-0.37	-0.35	-0.35	-0.32			
30	-0.52	-0.37	-0.35	-0.35	-0.37	-0.36	-0.36	-0.35			
31	-0.55	-0.39	-0.37	-0.37	-0.43	-0.41	-0.41	-0.37			
32	-0.48	-0.34	-0.33	-0.33	-0.36	-0.35	-0.34	-0.33			
33	-0.50	-0.35	-0.34	-0.34	-0.36	-0.35	-0.35	-0.34			
34	-0.53	-0.37	-0.36	-0.35	-0.39	-0.38	-0.37	-0.35			
35	-0.54	-0.38	-0.36	-0.36	-0.40	-0.39	-0.39	-0.36			
36	-0.50	-0.35	-0.34	-0.34	-0.36	-0.35	-0.35	-0.34			
37	-0.48	-0.34	-0.33	-0.33	-0.36	-0.35	-0.34	-0.33			
38	-0.54	-0.38	-0.36	-0.36	-0.40	-0.39	-0.39	-0.36			
39	-0.53	-0.37	-0.36	-0.35	-0.39	-0.38	-0.37	-0.35			
40	-0.56	-0.40	-0.38	-0.37	-0.45	-0.43	-0.42	-0.37			
41	-0.38	-0.27	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25			
42	-0.40	-0.28	-0.26	-0.26	-0.27	-0.26	-0.26	-0.26			
43	-0.49	-0.35	-0.33	-0.33	-0.34	-0.34	-0.33	-0.33			
44	-0.56	-0.40	-0.38	-0.37	-0.45	-0.43	-0.42	-0.37			
45	-0.50	-0.36	-0.34	-0.34	-0.41	-0.39	-0.38	-0.34			
46	-0.47	-0.33	-0.32	-0.32	-0.36	-0.35	-0.34	-0.32			
47	-0.50	-0.36	-0.34	-0.34	-0.37	-0.36	-0.36	-0.34			
48	-0.50	-0.36	-0.34	-0.34	-0.41	-0.39	-0.38	-0.34			
49	-0.50	-0.36	-0.34	-0.34	-0.37	-0.36	-0.36	-0.34			
50	-0.47	-0.33	-0.32	-0.32	-0.36	-0.35	-0.34	-0.32			
51	-0.50	-0.36	-0.34	-0.34	-0.38	-0.37	-0.37	-0.34			
52	-0.50	-0.36	-0.34	-0.34	-0.37	-0.36	-0.36	-0.34			
53	-0.49	-0.35	-0.34	-0.33	-0.37	-0.36	-0.35	-0.33			
54	-0.48	-0.34	-0.33	-0.33	-0.36	-0.35	-0.35	-0.33			
55	-0.50	-0.36	-0.34	-0.34	-0.37	-0.36	-0.36	-0.34			
56	-0.50	-0.36	-0.34	-0.34	-0.38	-0.37	-0.37	-0.34			
57	-0.48	-0.34	-0.33	-0.33	-0.36	-0.35	-0.35	-0.33			
58	-0.49	-0.35	-0.34	-0.33	-0.37	-0.36	-0.35	-0.33			
59	-0.45	-0.32	-0.31	-0.31	-0.35	-0.34	-0.33	-0.31			
60	-0.44	-0.32	-0.30	-0.30	-0.34	-0.33	-0.32	-0.30			
61	-0.44	-0.31	-0.30	-0.30	-0.33	-0.32	-0.32	-0.30			

62	-0.44	-0.32	-0.30	-0.30	-0.34	-0.33	-0.32	-0.30
63	-0.45	-0.32	-0.31	-0.31	-0.35	-0.34	-0.33	-0.31
64	-0.50	-0.35	-0.34	-0.34	-0.41	-0.39	-0.38	-0.34
65	-0.48	-0.34	-0.32	-0.32	-0.37	-0.35	-0.35	-0.32
66	-0.46	-0.33	-0.31	-0.31	-0.34	-0.33	-0.33	-0.31
67	-0.46	-0.32	-0.31	-0.31	-0.37	-0.35	-0.34	-0.31
68	-0.48	-0.34	-0.33	-0.33	-0.38	-0.37	-0.36	-0.33
69	-0.45	-0.32	-0.31	-0.30	-0.35	-0.33	-0.33	-0.30
70	-0.45	-0.32	-0.31	-0.30	-0.35	-0.33	-0.33	-0.30
71	-0.45	-0.32	-0.31	-0.31	-0.35	-0.34	-0.33	-0.31
72	-0.49	-0.35	-0.33	-0.33	-0.39	-0.37	-0.37	-0.33
73	-0.48	-0.34	-0.32	-0.31	-0.36	-0.35	-0.34	-0.31
74	-0.47	-0.33	-0.32	-0.31	-0.35	-0.34	-0.33	-0.31
75	-0.45	-0.32	-0.31	-0.31	-0.34	-0.33	-0.33	-0.31
76	-0.45	-0.32	-0.31	-0.30	-0.34	-0.33	-0.33	-0.30
77	-0.48	-0.34	-0.32	-0.32	-0.38	-0.36	-0.35	-0.32
78	-0.48	-0.34	-0.32	-0.32	-0.37	-0.35	-0.35	-0.32
79	-0.48	-0.34	-0.32	-0.32	-0.37	-0.35	-0.35	-0.32
80	-0.48	-0.34	-0.32	-0.32	-0.37	-0.35	-0.35	-0.32
81	-0.46	-0.33	-0.32	-0.32	-0.37	-0.36	-0.35	-0.32
82	-0.51	-0.36	-0.35	-0.34	-0.42	-0.40	-0.39	-0.34
83	-0.50	-0.35	-0.34	-0.34	-0.41	-0.39	-0.38	-0.34
84	-0.48	-0.34	-0.32	-0.32	-0.37	-0.35	-0.35	-0.32
85	-0.46	-0.33	-0.31	-0.31	-0.34	-0.33	-0.33	-0.31
86	-0.46	-0.32	-0.31	-0.31	-0.37	-0.35	-0.34	-0.31
87	-0.48	-0.34	-0.33	-0.33	-0.38	-0.37	-0.36	-0.33
88	-0.45	-0.32	-0.31	-0.30	-0.35	-0.33	-0.33	-0.30
89	-0.45	-0.32	-0.31	-0.30	-0.35	-0.33	-0.33	-0.30
90	-0.45	-0.32	-0.31	-0.31	-0.35	-0.34	-0.33	-0.31
91	-0.49	-0.35	-0.33	-0.33	-0.39	-0.37	-0.37	-0.33
92	-0.48	-0.34	-0.32	-0.31	-0.36	-0.35	-0.34	-0.31
93	-0.47	-0.33	-0.32	-0.31	-0.35	-0.34	-0.33	-0.31
94	-0.45	-0.32	-0.31	-0.31	-0.34	-0.33	-0.33	-0.31
95	-0.45	-0.32	-0.31	-0.30	-0.34	-0.33	-0.33	-0.30
96	-0.48	-0.34	-0.32	-0.32	-0.38	-0.36	-0.35	-0.32
97	-0.48	-0.34	-0.32	-0.32	-0.37	-0.35	-0.35	-0.32
98	-0.48	-0.34	-0.32	-0.32	-0.37	-0.35	-0.35	-0.32
99	-0.48	-0.34	-0.32	-0.32	-0.37	-0.35	-0.35	-0.32
100	-0.46	-0.33	-0.32	-0.32	-0.37	-0.36	-0.35	-0.32
101	-0.51	-0.36	-0.35	-0.34	-0.42	-0.40	-0.39	-0.34
102	-0.35	-0.25	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23
103	-0.36	-0.26	-0.24	-0.24	-0.25	-0.25	-0.25	-0.24
104	-0.50	-0.35	-0.34	-0.34	-0.40	-0.38	-0.37	-0.34
106	-0.45	-0.32	-0.30	-0.30	-0.32	-0.31	-0.31	-0.30
108	-0.43	-0.30	-0.29	-0.29	-0.31	-0.30	-0.30	-0.29
109	-0.35	-0.25	-0.24	-0.23	-0.23	-0.23	-0.23	-0.23
110	-0.46	-0.33	-0.32	-0.31	-0.36	-0.35	-0.34	-0.31
112	-0.49	-0.35	-0.33	-0.33	-0.35	-0.34	-0.34	-0.33
114	-0.54	-0.39	-0.37	-0.36	-0.42	-0.40	-0.39	-0.36
116	-0.45	-0.32	-0.30	-0.30	-0.32	-0.31	-0.31	-0.30
118	-0.34	-0.24	-0.23	-0.22	-0.23	-0.23	-0.23	-0.22
120	-0.41	-0.30	-0.27	-0.27	-0.27	-0.27	-0.27	-0.27
122	-0.43	-0.31	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29
124	-0.46	-0.33	-0.31	-0.31	-0.34	-0.33	-0.33	-0.31
126	-0.48	-0.34	-0.33	-0.32	-0.35	-0.34	-0.34	-0.32
140	-0.50	-0.35	-0.34	-0.34	-0.40	-0.38	-0.37	-0.34
141	-0.45	-0.32	-0.30	-0.30	-0.32	-0.31	-0.31	-0.30
142	-0.43	-0.30	-0.29	-0.29	-0.31	-0.30	-0.30	-0.29
143	-0.46	-0.33	-0.32	-0.31	-0.36	-0.35	-0.34	-0.31
144	-0.49	-0.35	-0.33	-0.33	-0.35	-0.34	-0.34	-0.33
145	-0.48	-0.34	-0.33	-0.32	-0.35	-0.34	-0.34	-0.32
146	-0.54	-0.39	-0.37	-0.36	-0.42	-0.40	-0.39	-0.36
147	-0.45	-0.32	-0.30	-0.30	-0.32	-0.31	-0.31	-0.30
148	-0.34	-0.24	-0.23	-0.22	-0.23	-0.23	-0.23	-0.22
149	-0.41	-0.30	-0.27	-0.27	-0.27	-0.27	-0.27	-0.27
150	-0.43	-0.31	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29
151	-0.46	-0.33	-0.31	-0.31	-0.34	-0.33	-0.33	-0.31
159	-0.47	-0.33	-0.32	-0.32	-0.37	-0.35	-0.34	-0.32
160	-0.39	-0.28	-0.26	-0.26	-0.27	-0.27	-0.27	-0.26
161	-0.39	-0.28	-0.26	-0.26	-0.27	-0.27	-0.27	-0.26
162	-0.47	-0.33	-0.32	-0.32	-0.37	-0.35	-0.34	-0.32
163	-0.29	-0.21	-0.19	-0.19	-0.20	-0.19	-0.19	-0.19
164	-0.29	-0.21	-0.19	-0.19	-0.20	-0.19	-0.19	-0.19
165	-0.28	-0.20	-0.19	-0.18	-0.19	-0.18	-0.18	-0.18
166	-0.28	-0.20	-0.19	-0.18	-0.19	-0.18	-0.18	-0.18
167	-0.43	-0.30	-0.29	-0.29	-0.31	-0.31	-0.30	-0.29
168	-0.31	-0.22	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
169	-0.31	-0.22	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20

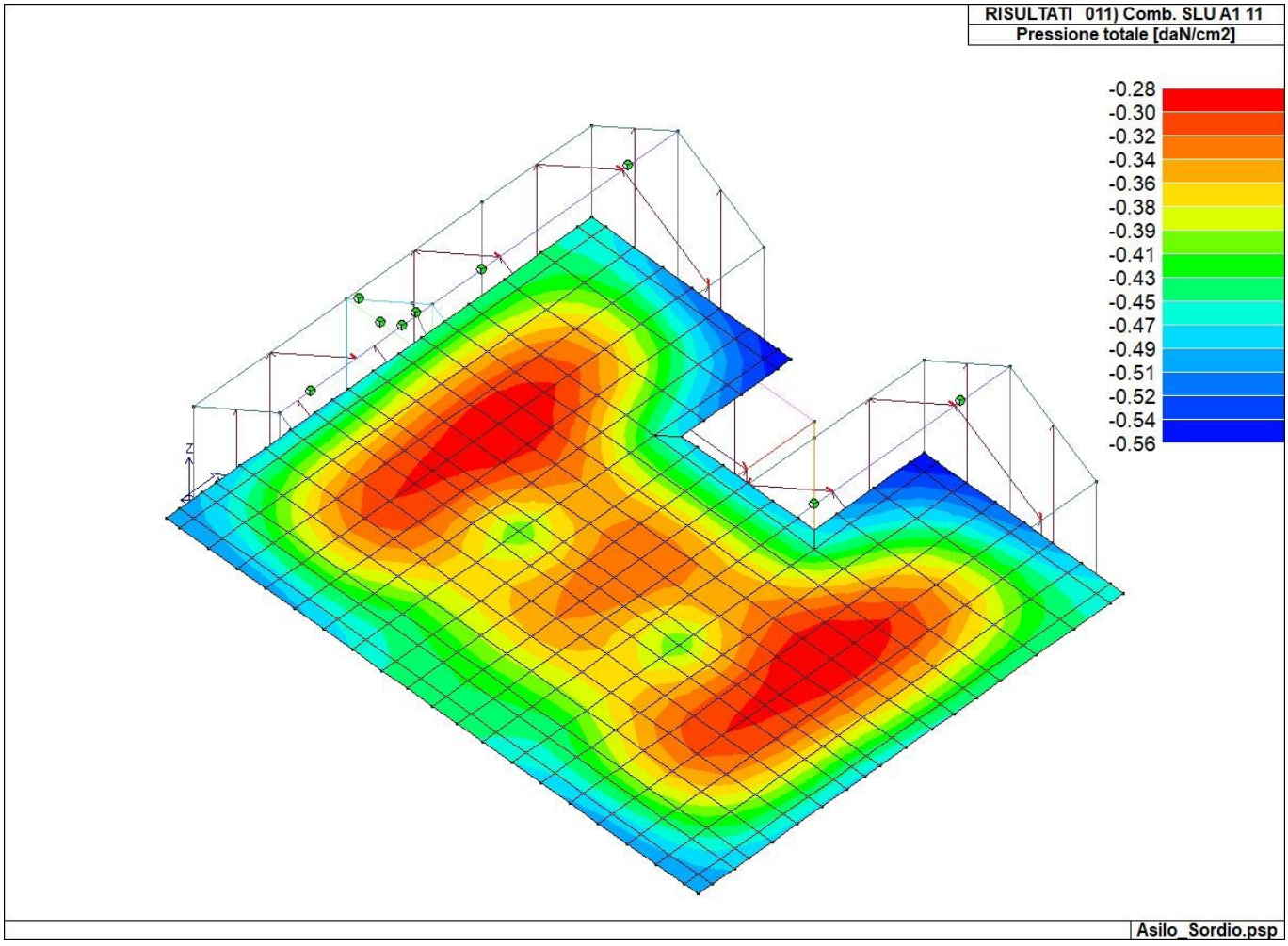
170	-0.43	-0.30	-0.29	-0.29	-0.31	-0.31	-0.30	-0.29
171	-0.47	-0.33	-0.32	-0.32	-0.35	-0.34	-0.33	-0.32
172	-0.48	-0.34	-0.33	-0.32	-0.34	-0.33	-0.33	-0.32
173	-0.49	-0.35	-0.33	-0.33	-0.37	-0.36	-0.35	-0.33
174	-0.48	-0.34	-0.33	-0.33	-0.35	-0.34	-0.34	-0.33
175	-0.51	-0.36	-0.34	-0.34	-0.36	-0.36	-0.35	-0.34
176	-0.52	-0.37	-0.35	-0.35	-0.39	-0.38	-0.37	-0.35
177	-0.48	-0.34	-0.33	-0.32	-0.34	-0.33	-0.33	-0.32
178	-0.47	-0.33	-0.32	-0.32	-0.35	-0.34	-0.33	-0.32
179	-0.52	-0.37	-0.35	-0.35	-0.39	-0.38	-0.37	-0.35
180	-0.51	-0.36	-0.34	-0.34	-0.36	-0.36	-0.35	-0.34
181	-0.47	-0.33	-0.32	-0.32	-0.34	-0.34	-0.33	-0.32
182	-0.47	-0.33	-0.32	-0.32	-0.34	-0.34	-0.33	-0.32
183	-0.48	-0.34	-0.33	-0.33	-0.35	-0.34	-0.34	-0.33
184	-0.49	-0.35	-0.33	-0.33	-0.37	-0.36	-0.35	-0.33
185	-0.47	-0.33	-0.32	-0.32	-0.34	-0.34	-0.33	-0.32
186	-0.47	-0.33	-0.32	-0.32	-0.34	-0.34	-0.33	-0.32
187	-0.43	-0.31	-0.29	-0.29	-0.32	-0.31	-0.31	-0.29
188	-0.44	-0.31	-0.30	-0.30	-0.34	-0.33	-0.32	-0.30
189	-0.43	-0.31	-0.29	-0.29	-0.32	-0.31	-0.31	-0.29
190	-0.44	-0.31	-0.30	-0.30	-0.34	-0.33	-0.32	-0.30
191	-0.48	-0.34	-0.33	-0.32	-0.38	-0.36	-0.35	-0.32
192	-0.48	-0.34	-0.33	-0.32	-0.38	-0.36	-0.35	-0.32
193	-0.44	-0.31	-0.30	-0.29	-0.32	-0.31	-0.31	-0.29
194	-0.43	-0.31	-0.29	-0.29	-0.31	-0.31	-0.30	-0.29
195	-0.44	-0.31	-0.30	-0.29	-0.32	-0.31	-0.31	-0.29
196	-0.43	-0.31	-0.29	-0.29	-0.31	-0.31	-0.30	-0.29
197	-0.42	-0.30	-0.29	-0.28	-0.31	-0.30	-0.30	-0.28
198	-0.42	-0.30	-0.29	-0.28	-0.31	-0.30	-0.30	-0.28
199	-0.42	-0.30	-0.29	-0.28	-0.31	-0.30	-0.30	-0.28
200	-0.42	-0.30	-0.29	-0.28	-0.31	-0.30	-0.30	-0.28
201	-0.46	-0.32	-0.31	-0.31	-0.35	-0.34	-0.33	-0.31
202	-0.45	-0.32	-0.30	-0.30	-0.34	-0.33	-0.32	-0.30
203	-0.45	-0.32	-0.30	-0.30	-0.33	-0.32	-0.32	-0.30
204	-0.45	-0.32	-0.30	-0.30	-0.33	-0.32	-0.31	-0.30
205	-0.46	-0.32	-0.31	-0.31	-0.35	-0.34	-0.33	-0.31
206	-0.45	-0.32	-0.30	-0.30	-0.34	-0.33	-0.32	-0.30
207	-0.45	-0.32	-0.30	-0.30	-0.33	-0.32	-0.32	-0.30
208	-0.45	-0.32	-0.30	-0.30	-0.33	-0.32	-0.31	-0.30
209	-0.55	-0.39	-0.37	-0.37	-0.43	-0.41	-0.40	-0.37
210	-0.48	-0.34	-0.32	-0.32	-0.32	-0.32	-0.32	-0.32
211	-0.48	-0.34	-0.32	-0.32	-0.32	-0.32	-0.32	-0.32
212	-0.40	-0.28	-0.26	-0.26	-0.27	-0.26	-0.26	-0.26
213	-0.55	-0.39	-0.37	-0.37	-0.43	-0.41	-0.40	-0.37
214	-0.45	-0.32	-0.31	-0.30	-0.34	-0.33	-0.32	-0.30
215	-0.44	-0.31	-0.30	-0.30	-0.33	-0.32	-0.31	-0.30
216	-0.44	-0.31	-0.30	-0.30	-0.32	-0.31	-0.31	-0.30
217	-0.44	-0.31	-0.30	-0.30	-0.33	-0.32	-0.31	-0.30
218	-0.45	-0.32	-0.31	-0.30	-0.34	-0.33	-0.32	-0.30
219	-0.37	-0.26	-0.24	-0.24	-0.25	-0.25	-0.25	-0.24
220	-0.43	-0.31	-0.29	-0.29	-0.32	-0.31	-0.31	-0.29
221	-0.37	-0.26	-0.25	-0.24	-0.25	-0.25	-0.25	-0.24
222	-0.36	-0.25	-0.24	-0.23	-0.24	-0.24	-0.24	-0.23
223	-0.32	-0.23	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
224	-0.40	-0.29	-0.27	-0.27	-0.28	-0.28	-0.28	-0.27
225	-0.31	-0.22	-0.21	-0.20	-0.21	-0.21	-0.21	-0.20
226	-0.30	-0.21	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
227	-0.34	-0.24	-0.22	-0.22	-0.23	-0.23	-0.22	-0.22
228	-0.40	-0.28	-0.27	-0.26	-0.27	-0.27	-0.27	-0.26
229	-0.31	-0.22	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
230	-0.29	-0.21	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19
231	-0.39	-0.28	-0.26	-0.26	-0.28	-0.27	-0.27	-0.26
232	-0.41	-0.29	-0.28	-0.27	-0.28	-0.28	-0.28	-0.27
233	-0.36	-0.26	-0.24	-0.23	-0.24	-0.24	-0.24	-0.23
234	-0.32	-0.23	-0.21	-0.21	-0.22	-0.21	-0.21	-0.21
235	-0.46	-0.32	-0.31	-0.30	-0.31	-0.31	-0.31	-0.30
236	-0.43	-0.30	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29
237	-0.37	-0.26	-0.24	-0.24	-0.25	-0.25	-0.24	-0.24
238	-0.34	-0.24	-0.23	-0.22	-0.23	-0.23	-0.23	-0.22
239	-0.46	-0.33	-0.31	-0.30	-0.31	-0.31	-0.31	-0.30
240	-0.42	-0.30	-0.29	-0.28	-0.29	-0.29	-0.29	-0.28
241	-0.34	-0.24	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
242	-0.34	-0.24	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
243	-0.46	-0.33	-0.31	-0.31	-0.31	-0.31	-0.31	-0.31
244	-0.42	-0.30	-0.28	-0.28	-0.29	-0.29	-0.29	-0.28
245	-0.33	-0.23	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
246	-0.33	-0.24	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
247	-0.46	-0.33	-0.31	-0.30	-0.31	-0.31	-0.31	-0.30

248	-0.42	-0.30	-0.29	-0.28	-0.29	-0.29	-0.29	-0.28
249	-0.34	-0.24	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
250	-0.34	-0.24	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
251	-0.46	-0.32	-0.31	-0.30	-0.31	-0.31	-0.31	-0.30
252	-0.43	-0.30	-0.29	-0.29	-0.29	-0.29	-0.29	-0.29
253	-0.37	-0.26	-0.24	-0.24	-0.25	-0.25	-0.24	-0.24
254	-0.34	-0.24	-0.23	-0.22	-0.23	-0.23	-0.23	-0.22
255	-0.39	-0.28	-0.26	-0.26	-0.28	-0.27	-0.27	-0.26
256	-0.41	-0.29	-0.28	-0.27	-0.28	-0.28	-0.28	-0.27
257	-0.36	-0.26	-0.24	-0.23	-0.24	-0.24	-0.24	-0.23
258	-0.32	-0.23	-0.21	-0.21	-0.22	-0.21	-0.21	-0.21
259	-0.34	-0.24	-0.22	-0.22	-0.23	-0.23	-0.22	-0.22
260	-0.40	-0.28	-0.27	-0.26	-0.27	-0.27	-0.27	-0.26
261	-0.31	-0.22	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
262	-0.29	-0.21	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19
263	-0.32	-0.23	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
264	-0.40	-0.29	-0.27	-0.27	-0.28	-0.28	-0.28	-0.27
265	-0.31	-0.22	-0.21	-0.20	-0.21	-0.21	-0.21	-0.20
266	-0.30	-0.21	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
267	-0.37	-0.26	-0.24	-0.24	-0.25	-0.25	-0.25	-0.24
268	-0.43	-0.31	-0.29	-0.29	-0.32	-0.31	-0.31	-0.29
269	-0.37	-0.26	-0.25	-0.24	-0.25	-0.25	-0.25	-0.24
270	-0.36	-0.25	-0.24	-0.23	-0.24	-0.24	-0.24	-0.23
271	-0.42	-0.30	-0.29	-0.28	-0.30	-0.30	-0.30	-0.28
272	-0.51	-0.36	-0.34	-0.34	-0.37	-0.36	-0.36	-0.34
273	-0.47	-0.33	-0.31	-0.31	-0.33	-0.32	-0.32	-0.31
274	-0.51	-0.36	-0.34	-0.34	-0.37	-0.36	-0.36	-0.34
275	-0.52	-0.37	-0.35	-0.35	-0.38	-0.37	-0.37	-0.35
276	-0.41	-0.29	-0.27	-0.27	-0.28	-0.28	-0.28	-0.27
277	-0.43	-0.30	-0.29	-0.29	-0.30	-0.29	-0.29	-0.29
278	-0.41	-0.29	-0.27	-0.27	-0.28	-0.28	-0.28	-0.27
279	-0.41	-0.29	-0.27	-0.27	-0.28	-0.28	-0.28	-0.27
280	-0.42	-0.30	-0.29	-0.28	-0.30	-0.30	-0.30	-0.28
281	-0.43	-0.30	-0.29	-0.29	-0.30	-0.29	-0.29	-0.29
282	-0.52	-0.37	-0.35	-0.35	-0.38	-0.37	-0.37	-0.35
283	-0.40	-0.28	-0.27	-0.26	-0.26	-0.26	-0.26	-0.26
284	-0.35	-0.25	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23
285	-0.49	-0.35	-0.33	-0.33	-0.34	-0.34	-0.33	-0.33
286	-0.47	-0.33	-0.31	-0.31	-0.33	-0.32	-0.32	-0.31
287	-0.41	-0.29	-0.27	-0.27	-0.28	-0.28	-0.28	-0.27
288	-0.38	-0.27	-0.26	-0.25	-0.27	-0.26	-0.26	-0.25
289	-0.48	-0.34	-0.32	-0.32	-0.33	-0.33	-0.33	-0.32
290	-0.43	-0.30	-0.28	-0.28	-0.29	-0.29	-0.29	-0.28
291	-0.48	-0.34	-0.32	-0.32	-0.33	-0.33	-0.33	-0.32
292	-0.47	-0.33	-0.31	-0.31	-0.32	-0.32	-0.32	-0.31
293	-0.34	-0.24	-0.23	-0.22	-0.23	-0.23	-0.23	-0.22
294	-0.37	-0.26	-0.25	-0.24	-0.25	-0.25	-0.25	-0.24
295	-0.34	-0.24	-0.23	-0.22	-0.23	-0.23	-0.23	-0.22
296	-0.35	-0.25	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23
297	-0.38	-0.27	-0.26	-0.25	-0.27	-0.26	-0.26	-0.25
298	-0.37	-0.26	-0.25	-0.24	-0.25	-0.25	-0.25	-0.24
299	-0.47	-0.33	-0.31	-0.31	-0.32	-0.32	-0.32	-0.31
300	-0.49	-0.34	-0.33	-0.32	-0.33	-0.32	-0.32	-0.32
301	-0.49	-0.35	-0.33	-0.32	-0.33	-0.33	-0.33	-0.32
302	-0.49	-0.34	-0.33	-0.32	-0.33	-0.32	-0.32	-0.32
303	-0.43	-0.30	-0.28	-0.28	-0.29	-0.29	-0.29	-0.28
304	-0.35	-0.25	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23
305	-0.36	-0.25	-0.24	-0.23	-0.24	-0.24	-0.24	-0.23
306	-0.36	-0.25	-0.24	-0.23	-0.25	-0.24	-0.24	-0.23
307	-0.33	-0.23	-0.22	-0.21	-0.23	-0.22	-0.22	-0.21
308	-0.36	-0.25	-0.24	-0.23	-0.25	-0.24	-0.24	-0.23
309	-0.37	-0.26	-0.24	-0.24	-0.25	-0.25	-0.24	-0.24
310	-0.29	-0.20	-0.19	-0.18	-0.19	-0.19	-0.19	-0.18
311	-0.30	-0.21	-0.20	-0.19	-0.20	-0.20	-0.20	-0.19
312	-0.29	-0.20	-0.19	-0.18	-0.19	-0.19	-0.19	-0.18
313	-0.30	-0.22	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
314	-0.36	-0.25	-0.24	-0.23	-0.24	-0.24	-0.24	-0.23
315	-0.30	-0.21	-0.20	-0.19	-0.20	-0.20	-0.20	-0.19
316	-0.37	-0.26	-0.24	-0.24	-0.25	-0.25	-0.24	-0.24
317	-0.36	-0.26	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24
318	-0.36	-0.25	-0.24	-0.23	-0.24	-0.24	-0.24	-0.23
319	-0.36	-0.26	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24
320	-0.33	-0.23	-0.22	-0.21	-0.23	-0.22	-0.22	-0.21
321	-0.30	-0.22	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
322	-0.36	-0.25	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24
323	-0.40	-0.28	-0.27	-0.26	-0.28	-0.28	-0.27	-0.26
324	-0.36	-0.25	-0.24	-0.23	-0.25	-0.25	-0.25	-0.23
325	-0.40	-0.28	-0.27	-0.26	-0.28	-0.28	-0.27	-0.26

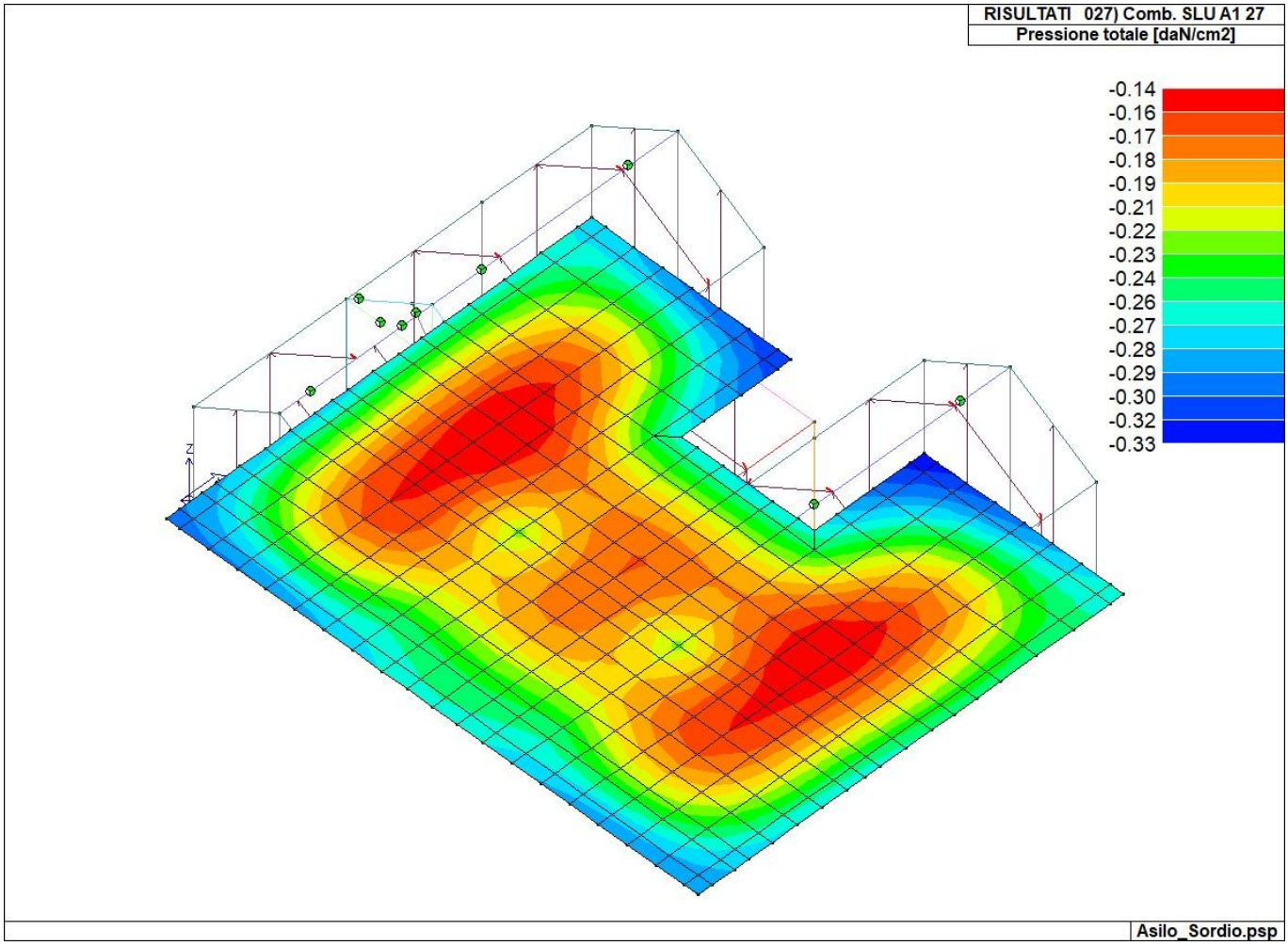
326	-0.41	-0.29	-0.27	-0.27	-0.28	-0.28	-0.28	-0.27
327	-0.29	-0.21	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19
328	-0.31	-0.22	-0.21	-0.20	-0.21	-0.21	-0.21	-0.20
329	-0.29	-0.21	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19
330	-0.31	-0.22	-0.20	-0.20	-0.21	-0.20	-0.20	-0.20
331	-0.36	-0.25	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24
332	-0.31	-0.22	-0.21	-0.20	-0.21	-0.21	-0.21	-0.20
333	-0.41	-0.29	-0.27	-0.27	-0.28	-0.28	-0.28	-0.27
334	-0.41	-0.29	-0.27	-0.27	-0.27	-0.27	-0.27	-0.27
335	-0.41	-0.29	-0.27	-0.27	-0.27	-0.27	-0.27	-0.27
336	-0.41	-0.29	-0.27	-0.27	-0.27	-0.27	-0.27	-0.27
337	-0.36	-0.25	-0.24	-0.23	-0.25	-0.25	-0.25	-0.23
338	-0.31	-0.22	-0.20	-0.20	-0.21	-0.20	-0.20	-0.20
339	-0.36	-0.26	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24
340	-0.36	-0.25	-0.23	-0.23	-0.24	-0.24	-0.24	-0.23
341	-0.33	-0.24	-0.22	-0.21	-0.23	-0.22	-0.22	-0.21
342	-0.36	-0.25	-0.23	-0.23	-0.24	-0.24	-0.24	-0.23
343	-0.35	-0.25	-0.23	-0.22	-0.24	-0.23	-0.23	-0.22
344	-0.29	-0.20	-0.19	-0.18	-0.19	-0.19	-0.19	-0.18
345	-0.30	-0.21	-0.20	-0.19	-0.20	-0.20	-0.20	-0.19
346	-0.29	-0.20	-0.19	-0.18	-0.19	-0.19	-0.19	-0.18
347	-0.31	-0.22	-0.20	-0.20	-0.21	-0.21	-0.20	-0.20
348	-0.36	-0.26	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24
349	-0.30	-0.21	-0.20	-0.19	-0.20	-0.20	-0.20	-0.19
350	-0.35	-0.25	-0.23	-0.22	-0.24	-0.23	-0.23	-0.22
351	-0.33	-0.23	-0.22	-0.21	-0.22	-0.22	-0.22	-0.21
352	-0.32	-0.23	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
353	-0.33	-0.23	-0.22	-0.21	-0.22	-0.22	-0.22	-0.21
354	-0.33	-0.24	-0.22	-0.21	-0.23	-0.22	-0.22	-0.21
355	-0.31	-0.22	-0.20	-0.20	-0.21	-0.21	-0.20	-0.20
356	-0.37	-0.26	-0.24	-0.24	-0.25	-0.24	-0.24	-0.24
357	-0.39	-0.28	-0.26	-0.25	-0.27	-0.26	-0.26	-0.25
358	-0.35	-0.25	-0.23	-0.23	-0.24	-0.24	-0.23	-0.23
359	-0.39	-0.28	-0.26	-0.25	-0.27	-0.26	-0.26	-0.25
360	-0.37	-0.26	-0.24	-0.23	-0.25	-0.24	-0.24	-0.23
361	-0.29	-0.21	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19
362	-0.31	-0.22	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
363	-0.29	-0.21	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19
364	-0.31	-0.22	-0.20	-0.20	-0.21	-0.21	-0.21	-0.20
365	-0.37	-0.26	-0.24	-0.24	-0.25	-0.24	-0.24	-0.24
366	-0.31	-0.22	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
367	-0.37	-0.26	-0.24	-0.23	-0.25	-0.24	-0.24	-0.23
368	-0.34	-0.24	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
369	-0.32	-0.23	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
370	-0.34	-0.24	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
371	-0.35	-0.25	-0.23	-0.23	-0.24	-0.24	-0.23	-0.23
372	-0.31	-0.22	-0.20	-0.20	-0.21	-0.21	-0.21	-0.20
373	-0.37	-0.26	-0.25	-0.24	-0.25	-0.25	-0.25	-0.24
374	-0.39	-0.28	-0.26	-0.25	-0.26	-0.26	-0.26	-0.25
375	-0.36	-0.25	-0.23	-0.23	-0.24	-0.23	-0.23	-0.23
376	-0.39	-0.28	-0.26	-0.25	-0.26	-0.26	-0.26	-0.25
377	-0.37	-0.26	-0.24	-0.24	-0.25	-0.24	-0.24	-0.24
378	-0.30	-0.21	-0.19	-0.19	-0.20	-0.20	-0.19	-0.19
379	-0.31	-0.22	-0.21	-0.20	-0.20	-0.20	-0.20	-0.20
380	-0.30	-0.21	-0.19	-0.19	-0.20	-0.20	-0.19	-0.19
381	-0.32	-0.22	-0.21	-0.20	-0.21	-0.21	-0.21	-0.20
382	-0.37	-0.26	-0.25	-0.24	-0.25	-0.25	-0.25	-0.24
383	-0.31	-0.22	-0.21	-0.20	-0.20	-0.20	-0.20	-0.20
384	-0.37	-0.26	-0.24	-0.24	-0.25	-0.24	-0.24	-0.24
385	-0.34	-0.24	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
386	-0.33	-0.23	-0.22	-0.21	-0.21	-0.21	-0.21	-0.21
387	-0.34	-0.24	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
388	-0.36	-0.25	-0.23	-0.23	-0.24	-0.23	-0.23	-0.23
389	-0.32	-0.22	-0.21	-0.20	-0.21	-0.21	-0.21	-0.20
390	-0.38	-0.27	-0.25	-0.25	-0.26	-0.25	-0.25	-0.25
391	-0.37	-0.26	-0.24	-0.24	-0.25	-0.24	-0.24	-0.24
392	-0.35	-0.25	-0.23	-0.22	-0.23	-0.23	-0.23	-0.22
393	-0.37	-0.26	-0.24	-0.24	-0.25	-0.24	-0.24	-0.24
394	-0.36	-0.26	-0.24	-0.23	-0.24	-0.24	-0.24	-0.23
395	-0.30	-0.21	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
396	-0.31	-0.22	-0.21	-0.20	-0.21	-0.20	-0.20	-0.20
397	-0.30	-0.21	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
398	-0.32	-0.23	-0.21	-0.21	-0.22	-0.21	-0.21	-0.21
399	-0.38	-0.27	-0.25	-0.25	-0.26	-0.25	-0.25	-0.25
400	-0.31	-0.22	-0.21	-0.20	-0.21	-0.20	-0.20	-0.20
401	-0.36	-0.26	-0.24	-0.23	-0.24	-0.24	-0.24	-0.23
402	-0.35	-0.24	-0.23	-0.22	-0.23	-0.23	-0.23	-0.22
403	-0.34	-0.24	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22

404	-0.35	-0.24	-0.23	-0.22	-0.23	-0.23	-0.23	-0.22
405	-0.35	-0.25	-0.23	-0.22	-0.23	-0.23	-0.23	-0.22
406	-0.32	-0.23	-0.21	-0.21	-0.22	-0.21	-0.21	-0.21
407	-0.39	-0.27	-0.26	-0.26	-0.27	-0.27	-0.26	-0.26
408	-0.37	-0.26	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24
409	-0.35	-0.25	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23
410	-0.37	-0.26	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24
411	-0.37	-0.26	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24
412	-0.32	-0.22	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
413	-0.33	-0.23	-0.22	-0.21	-0.21	-0.21	-0.21	-0.21
414	-0.32	-0.22	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
415	-0.34	-0.24	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
416	-0.39	-0.27	-0.26	-0.26	-0.27	-0.27	-0.26	-0.26
417	-0.33	-0.23	-0.22	-0.21	-0.21	-0.21	-0.21	-0.21
418	-0.37	-0.26	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24
419	-0.36	-0.26	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24
420	-0.36	-0.25	-0.24	-0.23	-0.23	-0.23	-0.23	-0.23
421	-0.36	-0.26	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24
422	-0.35	-0.25	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23
423	-0.34	-0.24	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
424	-0.40	-0.29	-0.27	-0.27	-0.29	-0.29	-0.28	-0.27

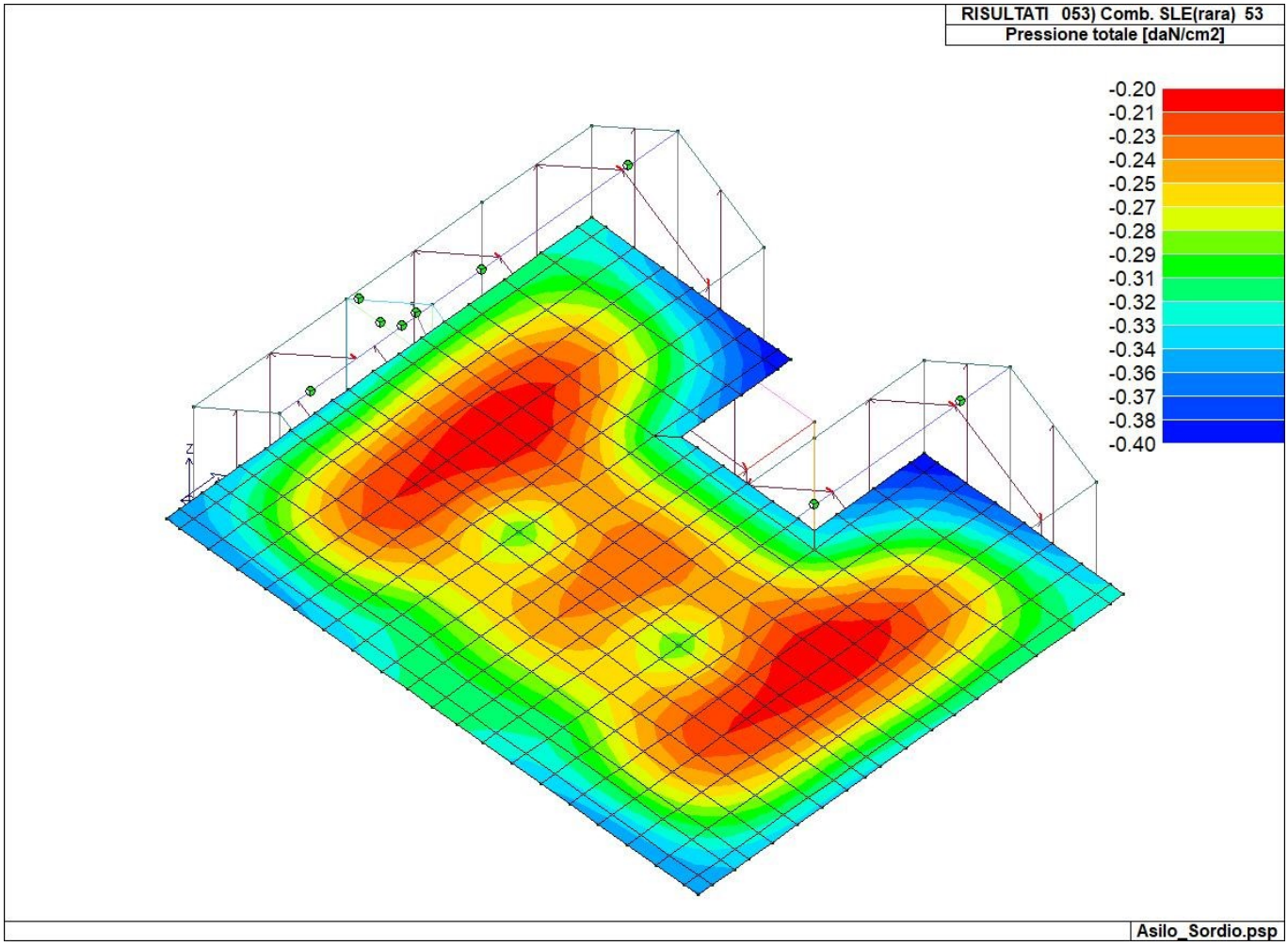
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...
	-0.56			
	-0.18			



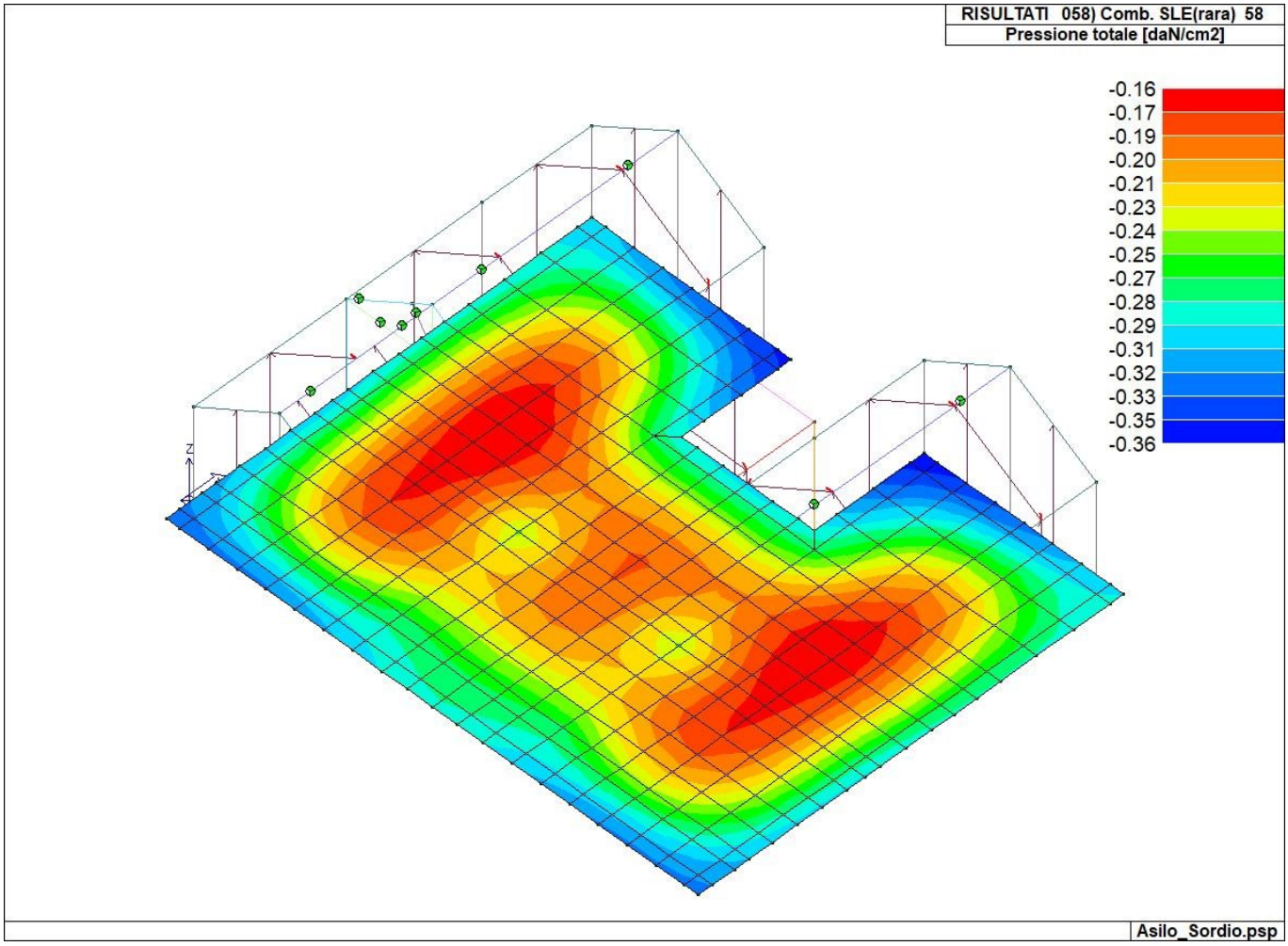
46_RIS_PRESSIONI_011_Comb SLU A1 11



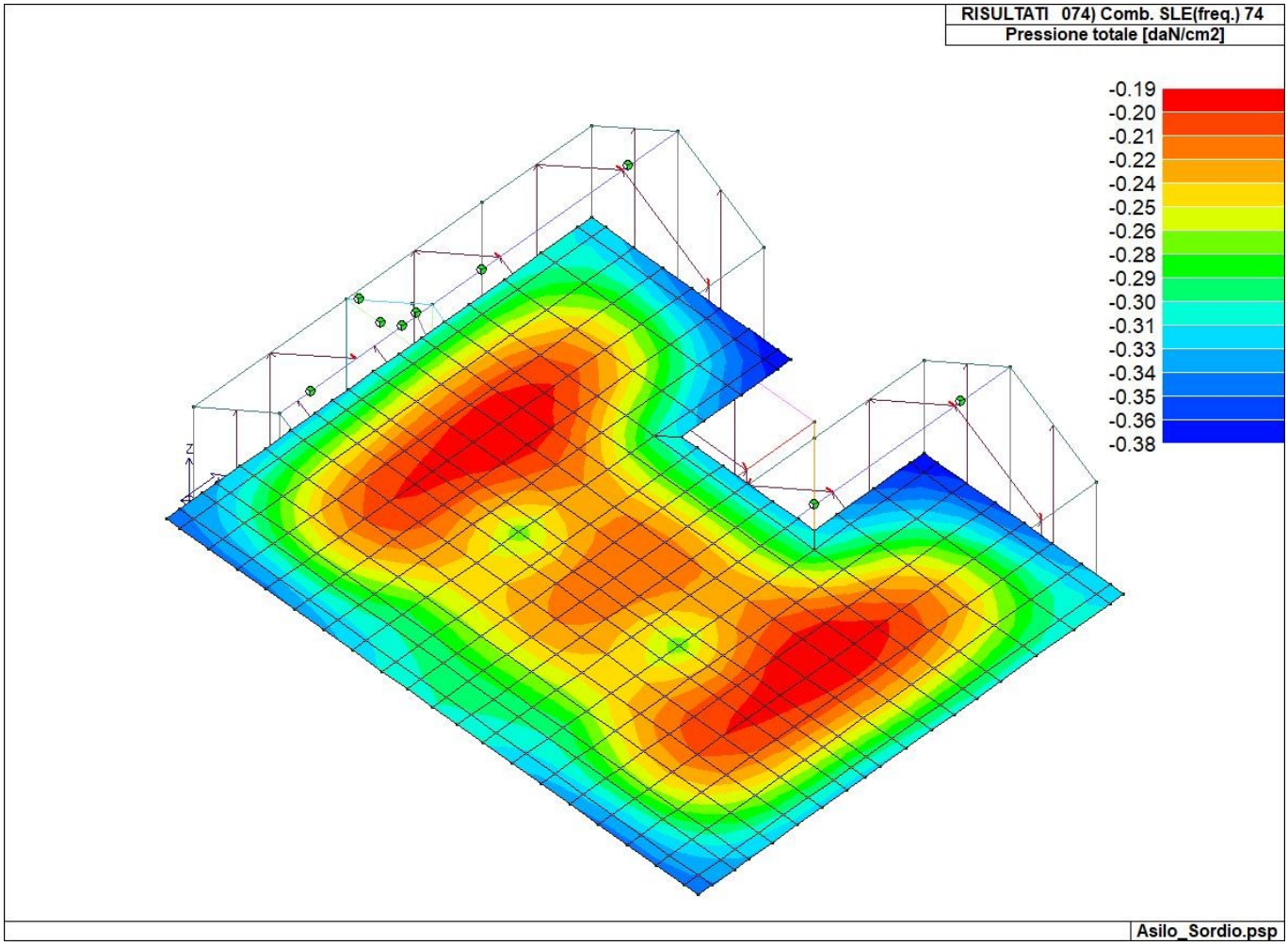
46_RIS_PRESSIONI_027_Comb SLU A1 27



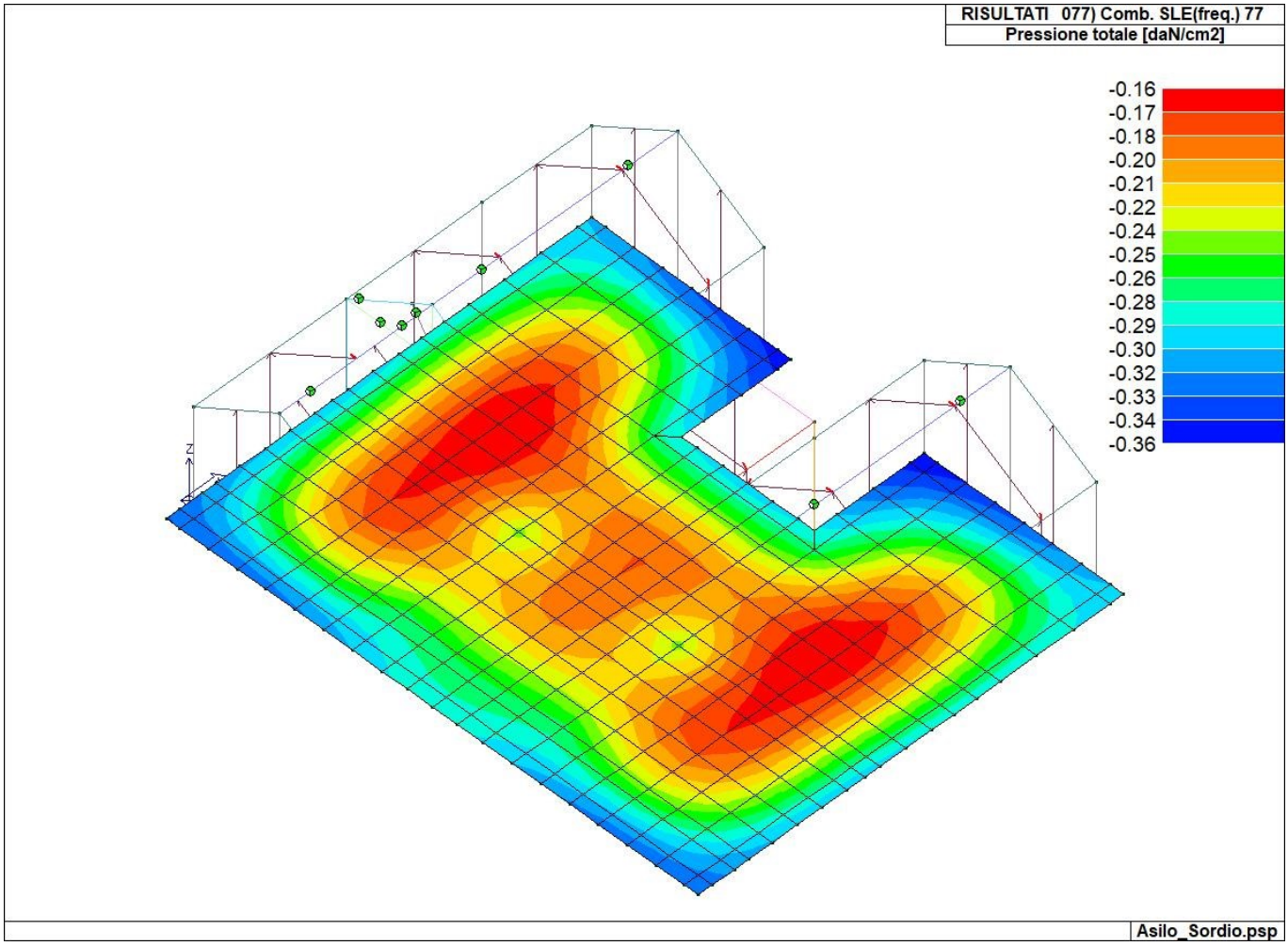
46_RIS_PRESSIONI_053_Comb SLErara 53



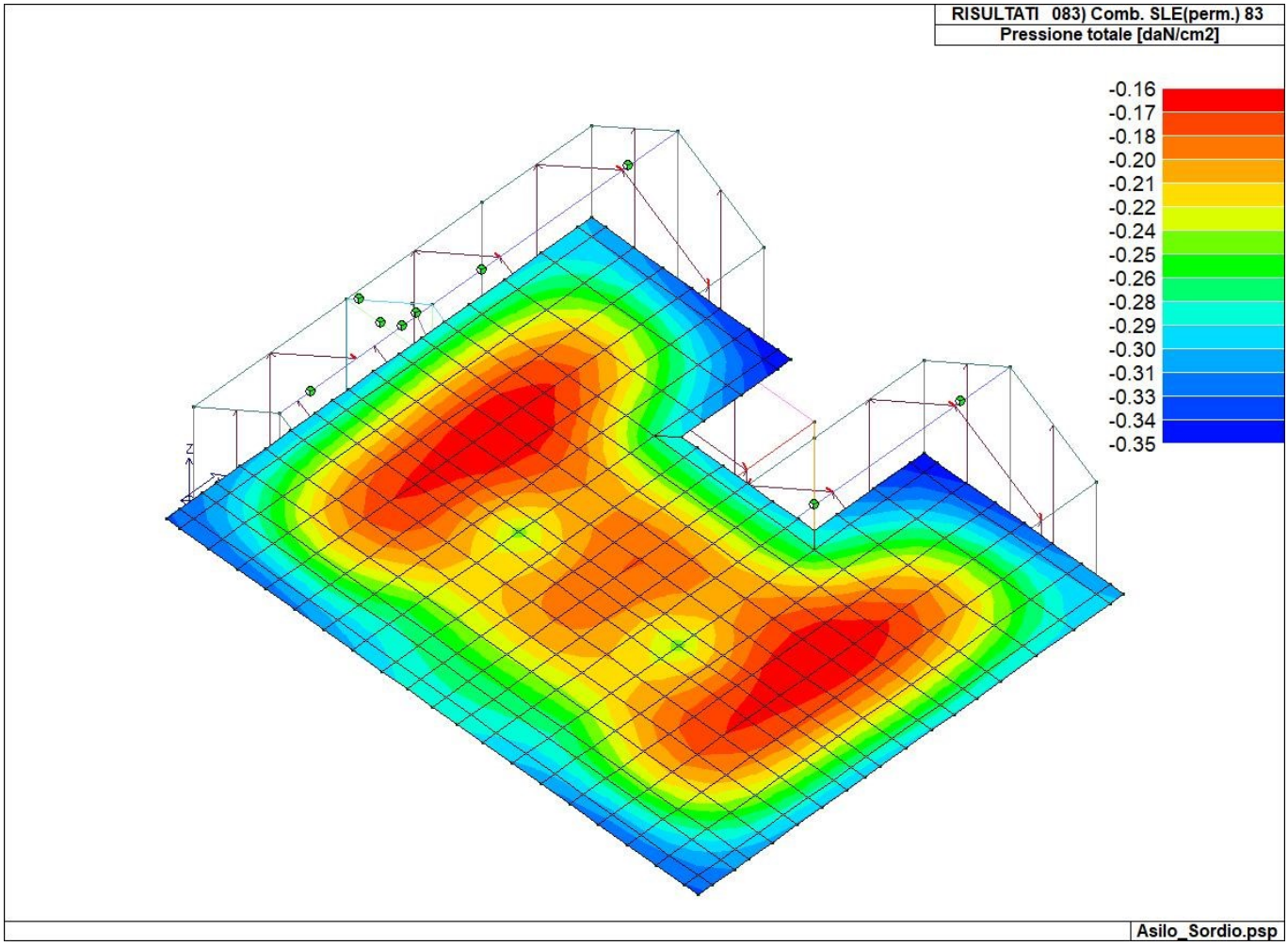
46_RIS_PRESSIONI_058_Comb SLErara 58



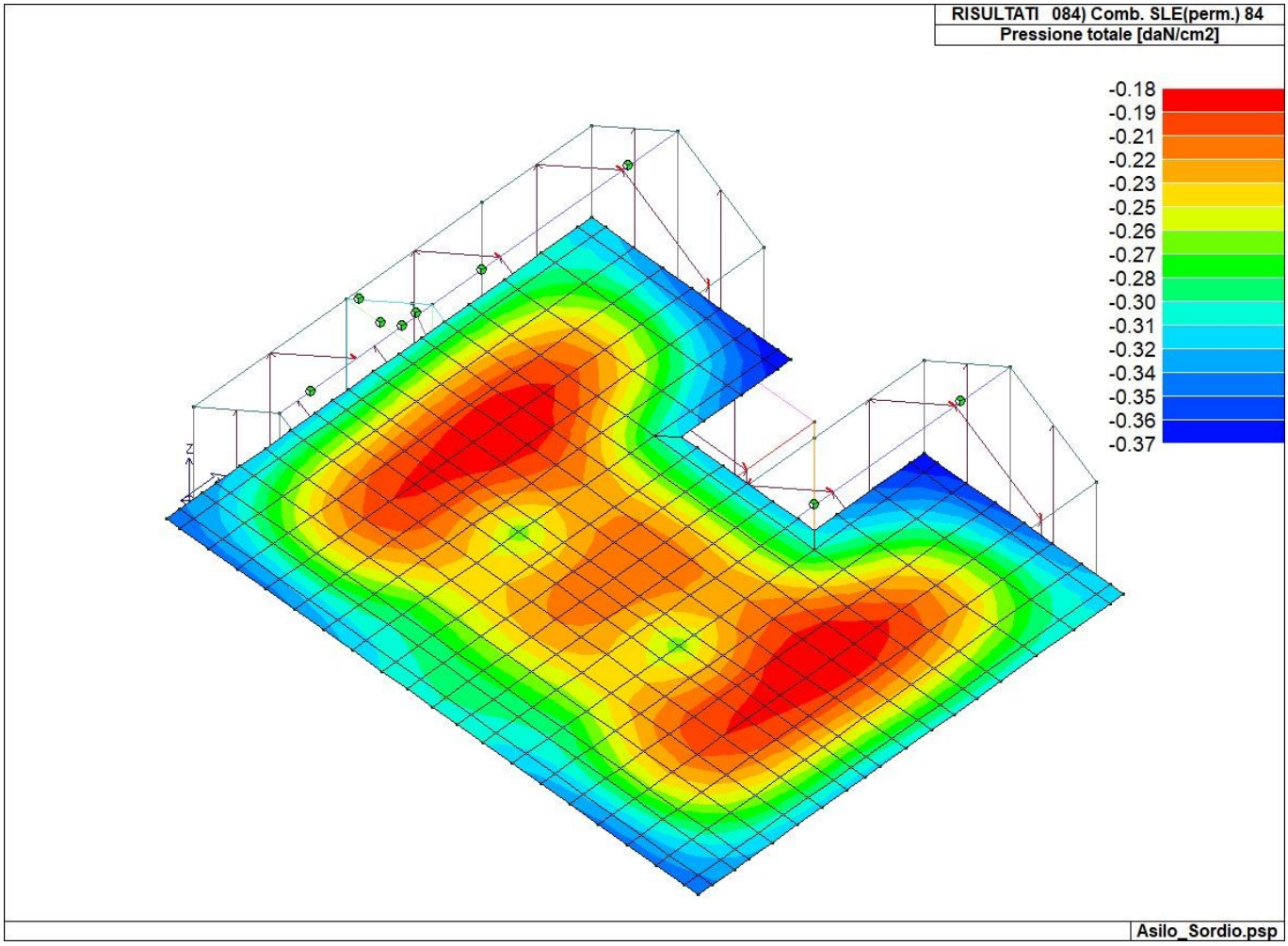
46_RIS_PRESSIONI_074_Comb SLEfreq 74



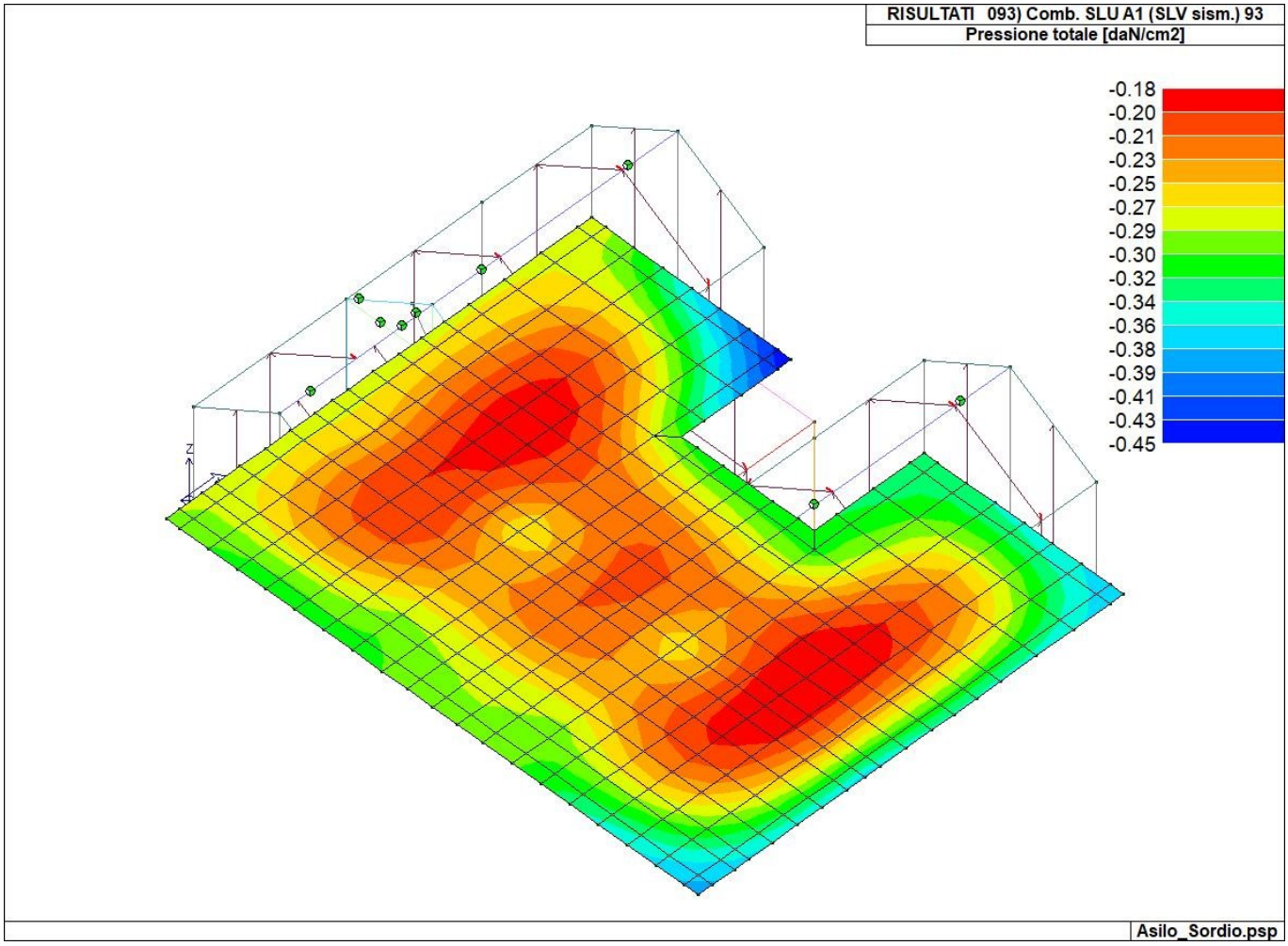
46_RIS_PRESSIONI_077_Comb SLEfreq 77



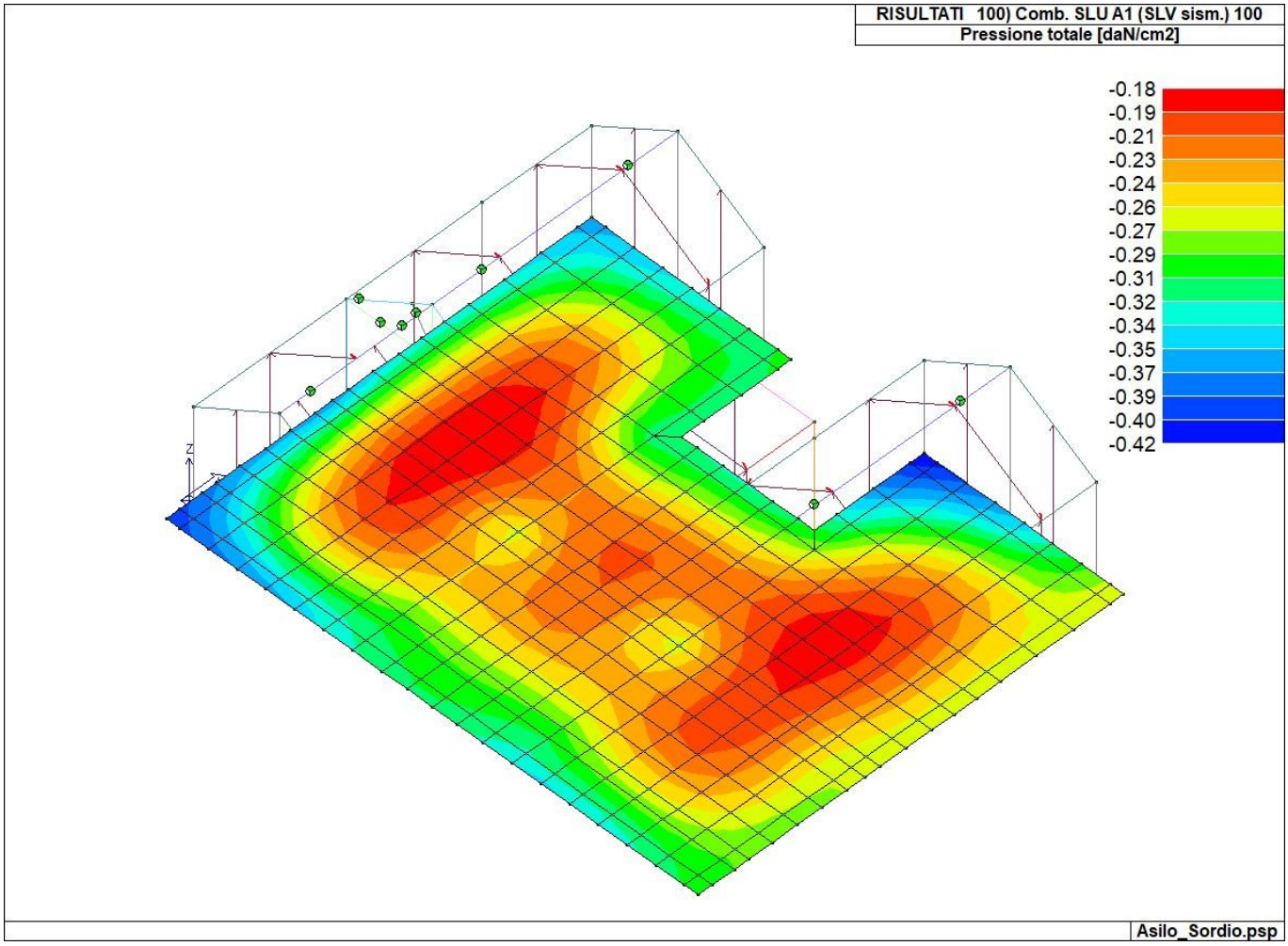
46_RIS_PRESSIONI_083_Comb SLEperm 83



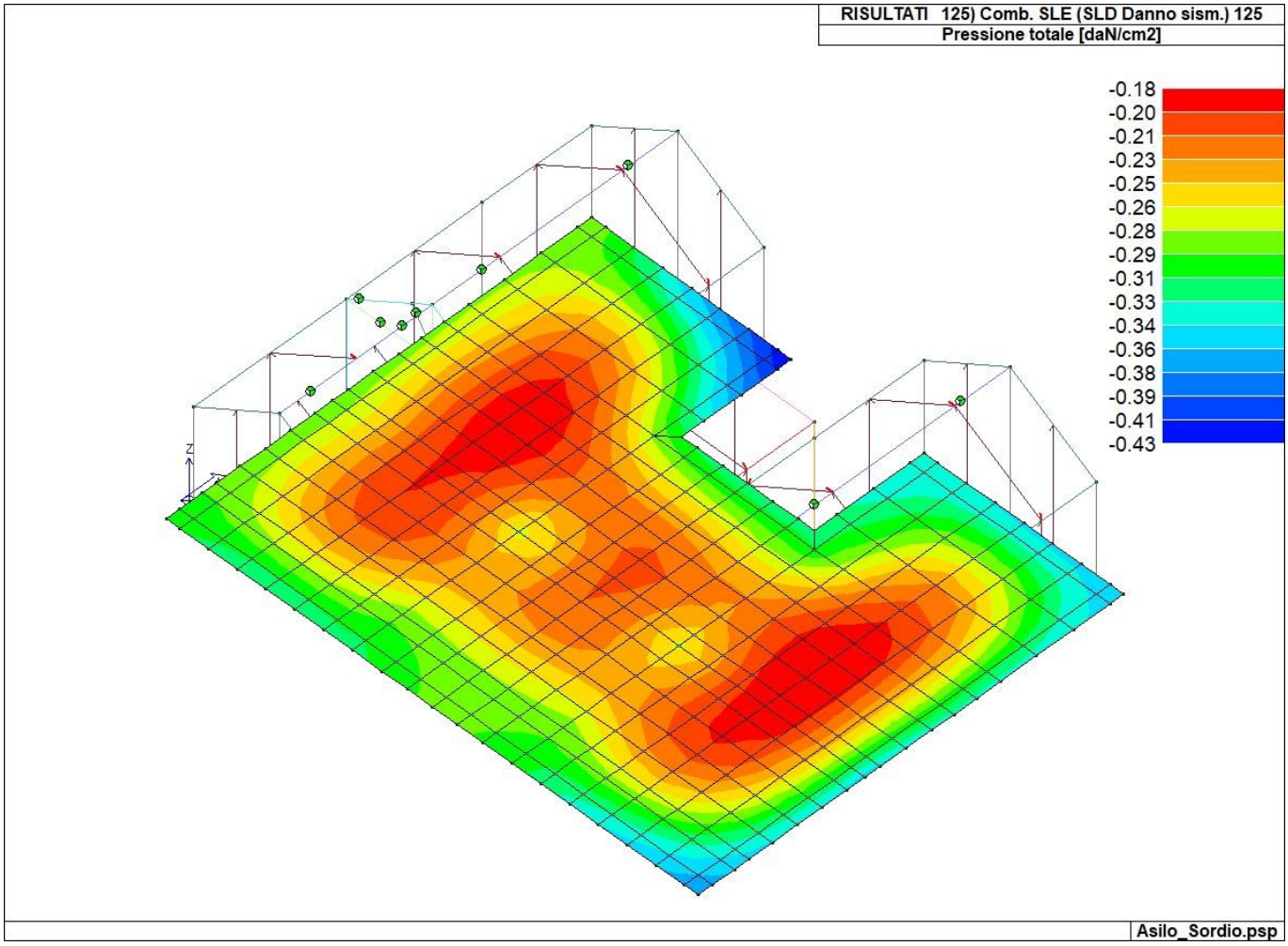
46_RIS_PRESSIONI_084_Comb SLEperm 84



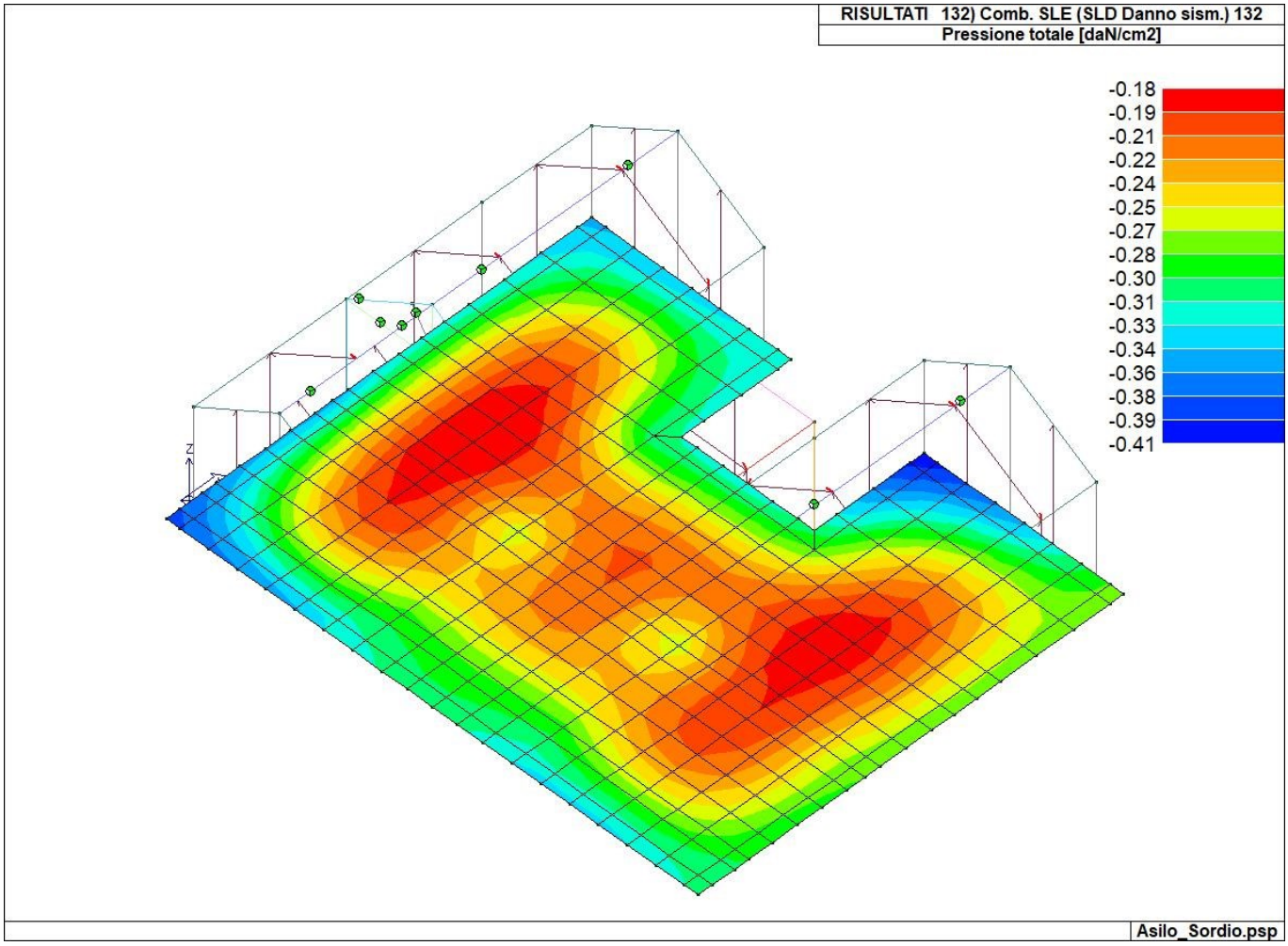
46_RIS_PRESSIONI_093_Comb SLU A1 SLV sism 93



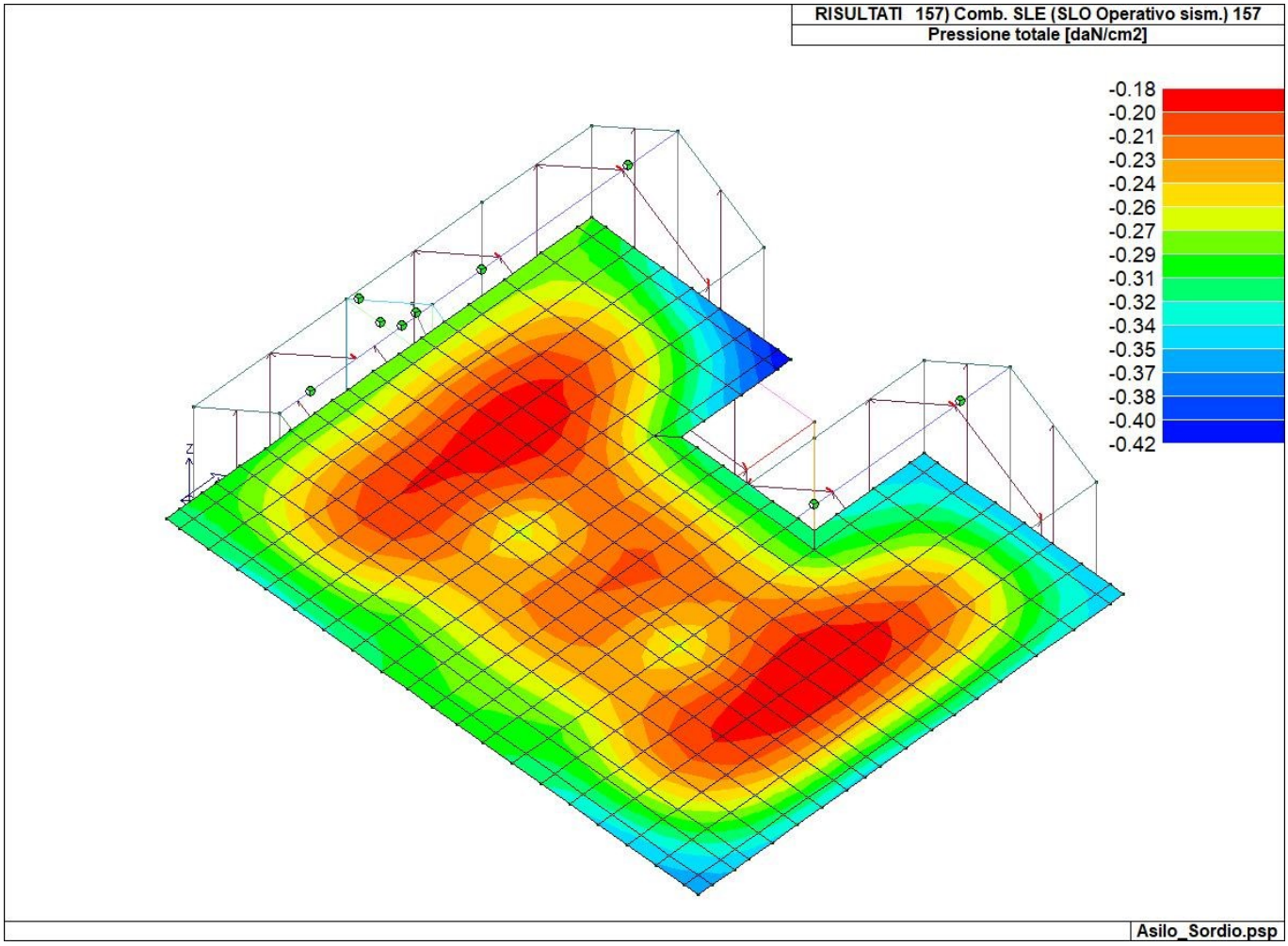
46_RIS_PRESSIONI_100_Comb SLU A1 SLV sism 100



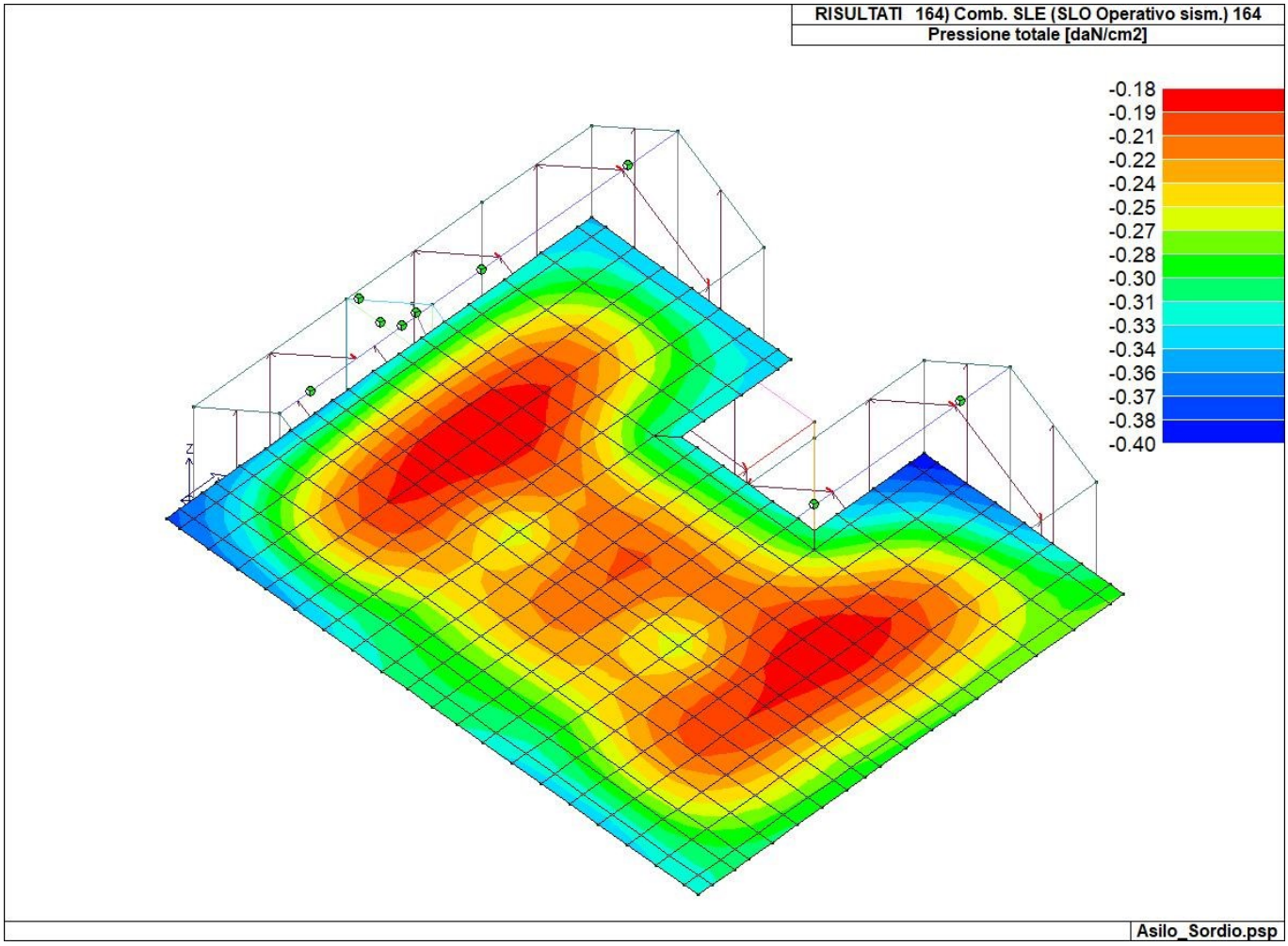
46_RIS_PRESSIONI_125_Comb SLE SLD Danno sism 125



46_RIS_PRESSIONI_132_Comb SLE SLD Danno sism 132



46_RIS_PRESSIONI_157_Comb SLE SLO Operativo sism 157



46_RIS_PRESSIONI_164_Comb SLE SLO Operativo sism 164

2.2 VERIFICHE ELEMENTI PARETE E/O GUSCIO IN C.A.

La progettazione nel caso dei gusci viene effettuata una progettazione come *Singolo Elemento,* riportando in tabella il rapporto x/d, la verifica per sollecitazioni ultime, (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti) di ogni elemento.

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

Nel caso dei gusci viene effettuata, inoltre, la verifica a punzonamento, riportando in tabella il codice dello stato di verifica, il coefficiente di verifica per piastre prive di armature a taglio lungo il perimetro resistente e lungo il perimetro del pilastro, coefficiente di incremento dovuto ai momenti flettenti, fattore di amplificazione per le fondazioni, il fattorei di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta, il quantitativo di armatura a punzonamento, il numero di serie di armature, il numero di braccia di armatura ed il riferimento alla combinazione più gravosa.

Simbologia adottata nelle tabelle di verifica

Sia per le verifiche degli elementi con progettazione di tipo "*Singolo Elemento …*" e "*Parete …*" è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento ok o NV
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
V N/M	Verifica delle sollecitazioni Normali (momento e sforzo normale)
Ver. rid	Rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd)
Af pr+	quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr-	quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec+	quantità di armatura richiesta in direzione secondaria relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec-	quantità di armatura richiesta in direzione secondaria relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Nz No Nzo	Sforzi membranali per pareti e\o setti verticali
Mz Mo Mzo	Sforzi flessionali per pareti e\o setti verticali
Nx Ny Nxy	Sforzi membranali per gusci orizzontali
Mx Mx Mxy	Sforzi flessionali per gusci orizzontali

Nodo	numero del nodo
Stato	codice di verifica dell'elemento ok o NV
Max tau	Tensione tangenziale Massima
Ver V pr	Verifica a taglio nella direzione principale lato calcestruzzo
Ver V sec	Verifica a taglio nella direzione secondaria lato calcestruzzo
Af V pr	Armatura nella direzione principale
V pr-	Verifica dell'armatura nella direzione principale
Af V sec	Armatura nella direzione secondaria
V sec-	Verifica dell'armatura nella direzione secondaria

Per la verifica a *Punzonamento* è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento ok o NV
V. 6.47	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro resistente U1
V. 6.53	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro del pilastro U0

Beta	Fattore di incremento dovuto ai momenti flettenti
f. a fon	fattore di amplificazione per le fondazioni (solo per gusci di fondazione)
f. Uout	fattore di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta
Aw tot	Quantitativo di armatura per la verifica di piastre munite di armatura (formula 6.52 dell'EC2)
Asw,min	Quantitativo minimo di armatura previsto dai dettagli costruttivi (formula 9.11 dell'EC2)
n. x serie	Numero di serie di armature
n.ser 0(R)	Numero di braccia delle armatura in direzione 0 (o numero di braccia radiale)
n.ser 90	Numero di braccia delle armatura in direzione 90 (solo se armatura cruciforme)
Rif. cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

PROGETTAZIONE DELLE FONDAZIONI

Il D.M.17/01/2018 - par: 7.2.5 prevede:

"Sia per CD"A" sia per CD"B" il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

- quella derivante dall'analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;
- […];
- quella trasferita dagli elementi soprastanti nell'ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD"A" e 1,10 in CD"B";

Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO_SAP mostra le sollecitazioni che derivano dall'analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando la componente sismica delle combinazioni di un coefficiente pari 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.

Per i bicchieri dei plinti di fondazione prefabbricati l'incremento delle sollecitazioni ha un fattore pari a 1.2 in CDB e 1.35 in CDA.

N.B.: nel caso di comportamento strutturale non dissipativo la progettazione viene effettuata senza nessun incremento.

Le verifiche geotecniche di pali, plinti, plinti su pali, travi e platee vengono effettuate dal modulo geotecnico incrementando automaticamente la componente sismica delle azioni di un fattore 1.1 in CDB e 1.3 in CDA.

N.B.: nel caso di comportamento strutturale non dissipativo le verifiche geotecniche vengono effettuate senza nessun incremento.

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
1	30.00	1	2	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1	ok	0.10	0.2	6.37e-03	4.5	4.5	4.5	4.5	-10.4	-21.1	-1.8	654.4	605.7	-391.2
2	ok	0.10	0.2	3.33e-03	4.5	4.5	4.5	4.5	-6.4	-2.1	-1.7	706.6	858.9	84.8
3	ok	0.10	0.2	4.34e-03	4.5	4.5	4.5	4.5	-10.0	-3.4	-2.8	-221.8	308.0	53.2
4	ok	0.10	0.1	4.28e-03	4.5	4.5	4.5	4.5	-11.1	-1.4	-1.6	172.5	285.5	-67.0
5	ok	0.10	8.13e-02	3.88e-03	4.5	4.5	4.5	4.5	-12.7	-3.3	-0.1	233.5	249.3	-3.1
6	ok	0.10	0.1	4.28e-03	4.5	4.5	4.5	4.5	-11.1	-1.4	1.6	172.5	285.5	67.0
7	ok	0.10	0.2	5.22e-03	4.5	4.5	4.5	4.5	3.1	3.6	6.6	179.6	754.8	136.8
8	ok	0.10	0.2	3.55e-03	4.5	4.5	4.5	4.5	-10.8	-9.8	1.7	993.7	873.2	231.6
9	ok	0.10	0.2	8.54e-03	4.5	4.5	4.5	4.5	-2.1	-5.7	-6.1	379.4	293.9	592.7
10	ok	0.10	0.3	5.06e-03	4.5	4.5	4.5	4.5	-1.8	-6.0	-13.1	-1345.0	-468.5	360.3
11	ok	0.10	0.2	5.59e-03	4.5	4.5	4.5	4.5	13.0	-4.0	-4.6	297.6	-339.8	776.3
12	ok	0.10	0.3	5.06e-03	4.5	4.5	4.5	4.5	-1.8	-6.0	13.1	-1345.0	-468.5	-360.3
13	ok	0.10	0.1	6.23e-03	4.5	4.5	4.5	4.5	-24.7	16.0	-4.7	218.3	-233.7	77.2
14	ok	0.10	0.1	6.44e-03	4.5	4.5	4.5	4.5	-5.0	-3.4	1.4	320.8	346.0	75.1
15	ok	0.10	0.2	5.29e-03	4.5	4.5	4.5	4.5	7.9	1.3	0.5	439.3	253.5	-312.4
16	ok	0.10	0.1	6.44e-03	4.5	4.5	4.5	4.5	-5.0	-3.4	-1.4	320.8	346.0	-75.1
17	ok	0.10	0.2	6.73e-03	4.5	4.5	4.5	4.5	-8.3	-2.5	8.3	502.8	315.0	-311.5
18	ok	0.10	0.2	8.54e-03	4.5	4.5	4.5	4.5	-2.1	-5.7	6.1	379.4	293.9	-592.7
19	ok	0.10	0.2	5.29e-03	4.5	4.5	4.5	4.5	7.9	1.3	-0.5	439.3	253.5	312.4
20	ok	0.10	0.1	6.23e-03	4.5	4.5	4.5	4.5	-13.5	16.5	4.1	-142.8	-325.2	-51.7
21	ok	0.10	0.1	7.68e-03	4.5	4.5	4.5	4.5	-26.5	-0.5	2.2	-177.6	-476.1	-69.9
22	ok	0.10	0.1	8.34e-03	4.5	4.5	4.5	4.5	-14.0	0.5	0.7	47.4	-479.2	94.8
23	ok	0.10	0.1	7.68e-03	4.5	4.5	4.5	4.5	-26.5	-0.5	-2.2	-177.6	-476.1	69.9
24	ok	0.10	0.2	5.59e-03	4.5	4.5	4.5	4.5	12.3	-5.0	4.5	318.0	-313.3	-782.0
25	ok	0.10	0.2	6.73e-03	4.5	4.5	4.5	4.5	-8.3	-2.5	-8.3	502.8	315.0	311.5
26	ok	0.10	8.68e-02	7.29e-03	4.5	4.5	4.5	4.5	20.2	11.4	-9.6	116.6	85.5	107.1
27	ok	0.10	5.60e-02	7.59e-03	4.5	4.5	4.5	4.5	-18.6	-2.0	-3.7	-213.8	25.8	-143.0
28	ok	0.10	6.95e-02	7.51e-03	4.5	4.5	4.5	4.5	-17.9	-9.2	11.7	-95.2	-37.6	167.2
29	ok	0.10	8.68e-02	7.29e-03	4.5	4.5	4.5	4.5	20.2	11.4	9.6	116.6	85.5	-107.1
30	ok	0.10	5.60e-02	7.59e-03	4.5	4.5	4.5	4.5	-18.6	-2.0	3.7	-213.8	25.8	143.0
31	ok	0.10	6.95e-02	7.51e-03	4.5	4.5	4.5	4.5	-17.9	-9.2	-11.7	-95.2	-37.6	-167.2
32	ok	0.10	8.55e-02	1.25e-02	4.5	4.5	4.5	4.5	-43.1	-14.1	4.7	24.6	-171.6	352.2
33	ok	0.10	0.1	2.36e-03	4.5	4.5	4.5	4.5	18.2	13.9	4.8	101.6	176.2	93.2
34	ok	0.10	8.43e-02	3.98e-03	4.5	4.5	4.5	4.5	3.5	9.4	-6.8	102.3	128.5	-40.7
35	ok	0.10	5.92e-02	1.05e-02	4.5	4.5	4.5	4.5	-35.8	-7.9	0.6	88.1	-101.8	-253.4
36	ok	0.10	0.1	2.36e-03	4.5	4.5	4.5	4.5	18.2	13.9	-4.8	101.6	176.2	-93.2
37	ok	0.10	8.55e-02	1.25e-02	4.5	4.5	4.5	4.5	-43.1	-14.1	-4.7	24.6	-171.6	-352.2
38	ok	0.10	5.92e-02	1.05e-02	4.5	4.5	4.5	4.5	-35.8	-7.9	-0.6	88.1	-101.8	253.4
39	ok	0.10	8.43e-02	3.98e-03	4.5	4.5	4.5	4.5	3.5	9.4	6.8	102.3	128.5	40.7
40	ok	0.10	6.65e-02	2.31e-03	4.5	4.5	4.5	4.5	-0.5	6.1	-4.3	-124.0	-34.3	-131.9
41	ok	0.10	0.2	5.22e-03	4.5	4.5	4.5	4.5	3.3	4.1	-5.1	190.4	757.4	-129.1
42	ok	0.10	0.3	1.15e-02	4.5	4.5	4.5	4.5	-32.1	5.9	18.7	-552.8	666.5	388.6
43	ok	0.10	0.1	1.31e-02	4.5	4.5	4.5	4.5	0.8	0.3	1.7	-33.1	-226.1	244.6
44	ok	0.10	6.66e-02	2.31e-03	4.5	4.5	4.5	4.5	-0.5	6.1	4.3	-124.0	-34.3	132.0
45	ok	0.10	0.1	7.20e-03	4.5	4.5	4.5	4.5	-7.7	-6.6	18.0	-164.1	-29.4	166.0
46	ok	0.10	0.2	6.00e-03	4.5	4.5	4.5	4.5	13.4	-0.8	-17.7	-518.0	-161.1	-86.3
47	ok	0.10	9.54e-02	6.06e-03	4.5	4.5	4.5	4.5	5.2	-4.2	-4.6	-149.5	110.9	147.1
48	ok	0.10	0.1	7.20e-03	4.5	4.5	4.5	4.5	-7.7	-6.6	-18.0	-164.1	-29.4	-166.0
49	ok	0.10	9.54e-02	6.06e-03	4.5	4.5	4.5	4.5	5.2	-4.2	4.6	-149.5	110.9	-147.1
50	ok	0.10	0.2	6.00e-03	4.5	4.5	4.5	4.5	13.4	-0.8	17.7	-518.0	-161.1	86.3
51	ok	0.10	9.81e-02	8.19e-03	4.5	4.5	4.5	4.5	-18.8	-8.2	2.0	62.9	-88.2	-292.9
52	ok	0.10	0.1	3.63e-03	4.5	4.5	4.5	4.5	20.5	4.0	7.2	-108.6	60.0	-178.2
53	ok	0.10	0.1	3.35e-03	4.5	4.5	4.5	4.5	11.2	6.2	-3.3	-96.1	80.3	175.7
54	ok	0.10	8.18e-02	3.86e-03	4.5	4.5	4.5	4.5	-6.8	-0.7	6.7	-99.3	9.5	202.5
55	ok	0.10	0.1	3.63e-03	4.5	4.5	4.5	4.5	-0.8	3.4	7.4	81.2	93.0	175.0
56	ok	0.10	9.81e-02	8.19e-03	4.5	4.5	4.5	4.5	-18.8	-8.2	-2.0	62.9	-88.2	292.9
57	ok	0.10	8.18e-02	3.86e-03	4.5	4.5	4.5	4.5	-17.6	0.7	-0.2	69.2	19.3	-204.6
58	ok	0.10	0.1	3.35e-03	4.5	4.5	4.5	4.5	11.2	6.2	3.3	-96.1	80.3	-175.7
59	ok	0.10	0.1	5.13e-03	4.5	4.5	4.5	4.5	2.9	0.4	5.1	482.9	44.7	8.9
60	ok	0.10	5.21e-02	1.17e-02	4.5	4.5	4.5	4.5	-27.7	-0.6	-4.2	187.2	-6.9	-174.1
61	ok	0.10	5.81e-02	1.31e-02	4.5	4.5	4.5	4.5	-46.1	-0.6	0.2	293.2	-17.2	-70.7
62	ok	0.10	5.21e-02	1.17e-02	4.5	4.5	4.5	4.5	-41.1	-2.7	1.2	245.3	-40.8	-93.5
63	ok	0.10	0.1	5.13e-03	4.5	4.5	4.5	4.5	2.9	0.4	-5.1	482.9	44.7	-8.9
64	ok	0.10	7.40e-02	6.97e-03	4.5	4.5	4.5	4.5	0.6	-10.0	-10.9	-159.4	-118.9	-103.5
65	ok	0.10	0.3	8.54e-03	4.5	4.5	4.5	4.5	31.3	-3.3	-16.2	-570.4	-578.2	-28.5
66	ok	0.10	7.23e-02	7.85e-03	4.5	4.5	4.5	4.5	4.00e-02	-3.1	2.3	-64.9	-96.2	141.5
67	ok	0.10	0.1	8.43e-03	4.5	4.5	4.5	4.5	-7.9	-8.6	20.3	-44.0	-157.3	165.2
68	ok	0.10	8.37e-02	1.12e-02	4.5	4.5	4.5	4.5	-1.6	-39.7	0.6	-12.9	136.8	354.7
69	ok	0.10	9.18e-02	1.29e-02	4.5	4.5	4.5	4.5	-4.4	6.2	15.9	270.6	241.1	-85.3
70	ok	0.10	9.29e-02	5.26e-03	4.5	4.5	4.5	4.5	-0.6	-21.3	1.1	101.1	84.8	-333.1
71	ok	0.10	8.91e-02	1.16e-02	4.5	4.5	4.5	4.5	-10.0	-41.0	-1.5	-118.3	99.0	-428.1
72	ok	0.10	8.06e-02	1.74e-02	4.5	4.5	4.5	4.5	-11.1	-60.1	7.9	-131.1	166.3	375.7
73	ok	0.10	0.2	6.13e-03	4.5	4.5	4.5	4.5	-24.3	-6.5	7.4	-127.1	-383.1	-114.5

74	ok	0.10	0.1	8.88e-03	4.5	4.5	4.5	4.5	-3.9	6.3	1.1	-101.4	-108.0	333.0
75	ok	0.10	4.45e-02	7.41e-03	4.5	4.5	4.5	4.5	8.33e-02	-23.5	0.5	5.9	98.7	-127.9
76	ok	0.10	6.40e-02	9.87e-03	4.5	4.5	4.5	4.5	5.1	-17.3	4.5	76.5	172.7	-109.3
77	ok	0.10	7.39e-02	1.23e-02	4.5	4.5	4.5	4.5	-0.7	-43.3	-0.1	-3.3	147.4	296.6
78	ok	0.10	6.90e-02	1.10e-02	4.5	4.5	4.5	4.5	-0.6	-38.7	-5.37e-02	-4.4	126.9	202.2
79	ok	0.10	9.97e-02	9.42e-03	4.5	4.5	4.5	4.5	-2.6	-16.7	-1.1	-28.4	78.3	109.9
80	ok	0.10	0.1	6.04e-03	4.5	4.5	4.5	4.5	-25.1	-12.2	-3.6	-86.9	-215.4	168.4
81	ok	0.10	5.35e-02	2.33e-03	4.5	4.5	4.5	4.5	0.1	5.6	-6.7	-73.0	-16.2	-113.0
82	ok	0.10	7.24e-02	2.93e-03	4.5	4.5	4.5	4.5	5.7	0.1	6.1	-25.0	-90.1	113.1
83	ok	0.10	7.40e-02	6.97e-03	4.5	4.5	4.5	4.5	2.0	9.4	12.1	213.7	120.8	-70.7
84	ok	0.10	0.3	8.54e-03	4.5	4.5	4.5	4.5	32.3	0.5	25.4	-558.6	-575.6	-9.8
85	ok	0.10	7.23e-02	7.85e-03	4.5	4.5	4.5	4.5	4.00e-02	-3.1	-2.3	-64.9	-96.2	-141.5
86	ok	0.10	0.1	8.43e-03	4.5	4.5	4.5	4.5	-3.8	-6.5	-15.9	-138.2	-145.9	-129.6
87	ok	0.10	8.37e-02	1.12e-02	4.5	4.5	4.5	4.5	-1.6	-39.7	-0.6	-12.9	136.8	-354.7
88	ok	0.10	9.18e-02	1.29e-02	4.5	4.5	4.5	4.5	3.4	-39.7	-13.0	-253.9	-220.9	-50.7
89	ok	0.10	9.29e-02	5.26e-03	4.5	4.5	4.5	4.5	3.7	-15.4	4.2	50.3	179.5	327.5
90	ok	0.10	8.91e-02	1.16e-02	4.5	4.5	4.5	4.5	-10.0	-41.0	1.5	-118.3	99.0	428.1
91	ok	0.10	8.06e-02	1.74e-02	4.5	4.5	4.5	4.5	-11.1	-60.1	-7.9	-131.1	166.3	-375.7
92	ok	0.10	0.2	6.13e-03	4.5	4.5	4.5	4.5	-24.3	-6.5	-7.4	-127.1	-383.1	114.5
93	ok	0.10	0.1	8.88e-03	4.5	4.5	4.5	4.5	-3.9	6.3	-1.1	-101.4	-108.0	-333.0
94	ok	0.10	4.45e-02	7.41e-03	4.5	4.5	4.5	4.5	8.33e-02	-23.5	-0.5	5.9	98.7	127.9
95	ok	0.10	6.40e-02	9.87e-03	4.5	4.5	4.5	4.5	5.1	-17.3	-4.5	76.5	172.7	109.3
96	ok	0.10	7.39e-02	1.23e-02	4.5	4.5	4.5	4.5	-0.4	-34.4	1.6	19.0	168.8	-272.2
97	ok	0.10	6.90e-02	1.10e-02	4.5	4.5	4.5	4.5	-0.6	-33.5	-1.2	37.1	214.4	-302.1
98	ok	0.10	9.97e-02	9.42e-03	4.5	4.5	4.5	4.5	5.1	-9.0	4.0	54.7	109.6	-353.4
99	ok	0.10	0.1	6.04e-03	4.5	4.5	4.5	4.5	-21.0	-15.8	8.7	-98.5	-218.2	-181.9
100	ok	0.10	5.35e-02	2.33e-03	4.5	4.5	4.5	4.5	0.1	5.6	6.7	-73.0	-16.2	113.0
101	ok	0.10	7.24e-02	2.93e-03	4.5	4.5	4.5	4.5	5.1	0.6	-5.5	-37.2	-90.3	-113.2
102	ok	0.10	0.2	2.75e-03	4.5	4.5	4.5	4.5	-8.7	-4.7	-1.3	924.9	950.5	-16.2
103	ok	0.10	0.2	3.55e-03	4.5	4.5	4.5	4.5	-10.8	-9.8	-1.7	993.7	873.2	-231.6
104	ok	0.10	0.2	1.09e-02	4.5	4.5	4.5	4.5	1.1	3.4	-11.6	-197.3	-259.7	-359.1
106	ok	0.10	0.7	1.73e-02	4.5	4.5	4.5	4.5	40.6	52.6	47.8	-2126.6	-563.8	-258.0
108	ok	0.10	0.2	7.57e-03	4.5	4.5	4.5	4.5	0.5	-5.4	-6.7	-658.0	-101.3	-68.8
109	ok	0.10	0.2	3.33e-03	4.5	4.5	4.5	4.5	-6.4	-2.1	1.7	706.6	858.9	-84.8
110	ok	0.10	0.2	6.71e-03	4.5	4.5	4.5	4.5	0.6	6.4	20.5	-178.3	-140.2	373.9
112	ok	0.10	0.3	6.13e-03	4.5	4.5	4.5	4.5	6.5	-17.5	-9.2	-352.0	-1392.0	52.4
114	ok	0.10	0.2	6.24e-03	4.5	4.5	4.5	4.5	8.6	8.3	-10.9	-357.6	-373.4	-380.1
116	ok	0.18	0.4	1.74e-02	15.8	4.5	15.8	4.5	41.0	35.4	11.9	-4093.8	-3543.3	-582.5
118	ok	0.10	0.3	1.27e-03	4.5	4.5	4.5	4.5	0.9	2.6	-0.9	-451.9	1201.2	160.8
120	ok	0.18	0.5	2.05e-02	15.8	4.5	15.8	4.5	-3.2	4.1	-5.5	-5292.9	-5650.9	-368.4
122	ok	0.10	0.8	1.04e-02	4.5	4.5	4.5	4.5	24.8	34.7	-16.0	-2191.0	-2335.0	681.8
124	ok	0.10	0.4	8.08e-03	4.5	4.5	4.5	4.5	88.8	0.5	-11.0	-421.6	-457.9	322.7
126	ok	0.10	0.3	6.51e-03	4.5	4.5	4.5	4.5	6.3	-15.0	2.1	-358.6	-1395.9	38.8
140	ok	0.10	0.2	1.09e-02	4.5	4.5	4.5	4.5	1.1	3.4	11.6	-197.3	-259.7	359.1
141	ok	0.10	0.7	1.73e-02	4.5	4.5	4.5	4.5	40.6	52.6	-47.8	-2126.6	-563.8	258.0
142	ok	0.10	0.2	7.57e-03	4.5	4.5	4.5	4.5	1.7	-21.3	-5.5	-406.6	4.6	-165.6
143	ok	0.10	0.2	6.71e-03	4.5	4.5	4.5	4.5	0.6	6.4	-20.5	-178.3	-140.2	-373.9
144	ok	0.10	0.3	6.13e-03	4.5	4.5	4.5	4.5	6.5	-17.5	9.2	-352.0	-1392.0	-52.4
145	ok	0.10	0.3	6.51e-03	4.5	4.5	4.5	4.5	6.3	-15.0	-2.1	-358.6	-1395.9	-38.8
146	ok	0.10	0.2	6.24e-03	4.5	4.5	4.5	4.5	8.6	8.3	10.9	-357.5	-373.4	380.2
147	ok	0.18	0.4	1.74e-02	15.8	4.5	15.8	4.5	40.9	35.4	-11.8	-4093.6	-3543.3	582.4
148	ok	0.10	0.3	1.27e-03	4.5	4.5	4.5	4.5	0.9	2.6	0.9	-451.9	1201.2	-160.8
149	ok	0.18	0.5	2.05e-02	15.8	4.5	15.8	4.5	-3.2	4.1	5.5	-5292.9	-5650.9	368.4
150	ok	0.10	0.8	1.04e-02	4.5	4.5	4.5	4.5	24.8	34.7	16.0	-2191.0	-2335.0	-681.8
151	ok	0.10	0.4	8.08e-03	4.5	4.5	4.5	4.5	88.8	0.5	11.0	-421.6	-457.9	-322.7
159	ok	0.10	0.2	1.29e-02	4.5	4.5	4.5	4.5	-6.4	-41.5	12.3	-863.0	-36.4	638.5
160	ok	0.10	0.2	4.18e-03	4.5	4.5	4.5	4.5	-8.5	-2.4	-0.8	638.9	723.3	12.7
161	ok	0.10	0.2	4.18e-03	4.5	4.5	4.5	4.5	-8.5	-2.4	0.8	638.9	723.3	-12.6
162	ok	0.10	0.2	1.29e-02	4.5	4.5	4.5	4.5	-6.4	-41.5	-12.3	-863.0	-36.4	-638.5
163	ok	0.10	0.3	2.40e-03	4.5	4.5	4.5	4.5	1.3	-7.3	0.7	1265.0	233.6	6.6
164	ok	0.10	0.3	2.40e-03	4.5	4.5	4.5	4.5	1.3	-7.3	-0.7	1265.0	233.6	-6.6
165	ok	0.10	0.2	2.51e-03	4.5	4.5	4.5	4.5	0.3	-7.7	-2.4	1084.1	444.3	-0.6
166	ok	0.10	0.2	2.51e-03	4.5	4.5	4.5	4.5	0.3	-7.7	2.4	1084.1	444.3	0.6
167	ok	0.10	0.4	9.29e-03	4.5	4.5	4.5	4.5	6.3	8.3	16.3	-1330.2	-214.4	-158.8
168	ok	0.10	0.3	2.99e-03	4.5	4.5	4.5	4.5	-4.2	-9.4	0.8	1279.3	592.0	-122.8
169	ok	0.10	0.3	2.99e-03	4.5	4.5	4.5	4.5	-4.2	-9.4	-0.8	1279.3	592.0	122.8
170	ok	0.10	0.4	9.29e-03	4.5	4.5	4.5	4.5	9.2	-2.4	-0.1	-1213.7	-299.3	-38.3
171	ok	0.10	0.3	1.63e-02	4.5	4.5	4.5	4.5	-15.9	-56.4	-6.4	-174.0	-1021.7	656.6
172	ok	0.10	0.3	9.87e-03	4.5	4.5	4.5	4.5	-25.2	14.1	1.5	-167.7	-1174.9	382.5
173	ok	0.10	0.3	1.36e-02	4.5	4.5	4.5	4.5	-18.1	-46.4	6.7	-130.0	-1053.6	-644.8
174	ok	0.10	0.3	8.13e-03	4.5	4.5	4.5	4.5	-17.8	15.6	4.3	-175.0	-1166.4	-310.8
175	ok	0.10	0.3	9.46e-03	4.5	4.5	4.5	4.5	-26.1	9.5	-2.3	-145.0	-1119.0	-279.6
176	ok	0.10	0.2	9.52e-03	4.5	4.5	4.5	4.5	-19.2	-33.6	0.2	-119.2	-815.3	-535.8
177	ok	0.10	0.3	9.87e-03	4.5	4.5	4.5	4.5	-25.2	14.1	-1.5	-167.7	-1174.9	-382.5
178	ok	0.10	0.3	1.63e-02	4.5	4.5	4.5	4.5	-15.9	-56.4	6.4	-174.0	-1021.7	-656.6
179	ok	0.10	0.2	9.52e-03	4.5	4.5	4.5	4.5	-19.2	-33.6	-0.2	-119.2	-815.2	535.8
180	ok	0.10	0.3	9.46e-03	4.5	4.5	4.5	4.5	-26.1	9.5	2.3	-145.0	-1118.9	279.6
181	ok	0.10	0.2	7.19e-03	4.5	4.5	4.5	4.5	-9.2	12.7	10.3	-232.0	-1050.4	323.9

182	ok	0.10	0.2	4.75e-03	4.5	4.5	4.5	4.5	-5.04e-03	-10.2	3.5	-220.9	-603.4	674.0
183	ok	0.10	0.3	8.13e-03	4.5	4.5	4.5	4.5	-17.8	15.6	-4.3	-175.0	-1166.4	310.8
184	ok	0.10	0.3	1.36e-02	4.5	4.5	4.5	4.5	-18.1	-46.4	-6.7	-130.0	-1053.6	644.8
185	ok	0.10	0.2	4.75e-03	4.5	4.5	4.5	4.5	-4.79e-03	-10.2	-3.5	-220.9	-603.4	-674.0
186	ok	0.10	0.2	7.19e-03	4.5	4.5	4.5	4.5	-9.2	12.7	-10.3	-232.0	-1050.4	-323.9
187	ok	0.10	0.2	1.30e-02	4.5	4.5	4.5	4.5	12.3	-35.0	1.8	-847.7	-45.2	381.9
188	ok	0.10	0.3	1.22e-02	4.5	4.5	4.5	4.5	-42.4	-30.1	3.1	-897.9	-56.0	821.7
189	ok	0.10	0.2	1.30e-02	4.5	4.5	4.5	4.5	14.7	-38.6	-0.8	-786.3	-18.4	-439.0
190	ok	0.10	0.3	1.22e-02	4.5	4.5	4.5	4.5	-42.4	-30.1	-3.1	-897.9	-56.0	-821.7
191	ok	0.10	0.2	1.77e-02	4.5	4.5	4.5	4.5	-62.5	-27.7	1.5	-747.3	-76.9	-706.6
192	ok	0.10	0.2	1.77e-02	4.5	4.5	4.5	4.5	-62.5	-27.7	-1.5	-747.3	-76.9	706.6
193	ok	0.10	0.4	1.42e-02	4.5	4.5	4.5	4.5	-17.8	17.9	26.0	-1565.3	-448.1	-356.8
194	ok	0.10	0.2	8.85e-03	4.5	4.5	4.5	4.5	-2.3	5.9	-13.4	-882.3	-130.4	-330.1
195	ok	0.10	0.4	1.42e-02	4.5	4.5	4.5	4.5	-17.8	17.9	-26.0	-1565.3	-448.1	356.8
196	ok	0.10	0.2	8.85e-03	4.5	4.5	4.5	4.5	-2.3	5.9	13.4	-882.3	-130.4	330.1
197	ok	0.10	0.2	8.44e-03	4.5	4.5	4.5	4.5	-0.6	-9.3	-3.2	-703.8	-90.5	146.9
198	ok	0.10	0.2	8.39e-03	4.5	4.5	4.5	4.5	-12.0	-14.0	-12.4	-932.3	-142.0	205.6
199	ok	0.10	0.2	8.44e-03	4.5	4.5	4.5	4.5	0.6	-28.2	7.0	-573.3	6.1	-126.2
200	ok	0.10	0.2	8.39e-03	4.5	4.5	4.5	4.5	-6.2	-6.8	-0.9	-885.0	-128.2	-175.9
201	ok	0.10	0.2	1.37e-02	4.5	4.5	4.5	4.5	0.4	-47.9	-1.3	-821.5	19.4	-479.7
202	ok	0.10	0.2	1.25e-02	4.5	4.5	4.5	4.5	0.8	-40.9	11.2	-738.9	26.3	-269.0
203	ok	0.10	0.2	1.01e-02	4.5	4.5	4.5	4.5	-1.5	-6.2	14.2	-916.5	-123.2	228.4
204	ok	0.10	0.4	1.43e-02	4.5	4.5	4.5	4.5	-15.2	2.9	-14.5	-1395.9	-558.9	306.0
205	ok	0.10	0.2	1.37e-02	4.5	4.5	4.5	4.5	0.4	-47.9	1.3	-821.5	19.4	479.7
206	ok	0.10	0.2	1.25e-02	4.5	4.5	4.5	4.5	0.8	-40.9	-11.2	-738.9	26.3	269.0
207	ok	0.10	0.2	1.01e-02	4.5	4.5	4.5	4.5	2.8	-20.6	17.0	-451.3	10.0	347.0
208	ok	0.10	0.4	1.43e-02	4.5	4.5	4.5	4.5	-15.2	2.9	14.5	-1395.9	-558.9	-306.0
209	ok	0.10	9.90e-02	7.80e-03	4.5	4.5	4.5	4.5	-6.2	-12.9	17.5	-2.1	-206.5	194.6
210	ok	0.10	0.3	1.22e-02	4.5	4.5	4.5	4.5	-14.7	3.2	-11.2	-523.2	-103.0	-386.8
211	ok	0.10	0.3	1.22e-02	4.5	4.5	4.5	4.5	-14.8	2.8	11.3	-524.0	-105.4	388.0
212	ok	0.10	0.3	1.15e-02	4.5	4.5	4.5	4.5	-32.1	5.9	-18.7	-552.8	666.5	-388.6
213	ok	0.10	9.89e-02	7.80e-03	4.5	4.5	4.5	4.5	-1.9	-9.6	-14.4	-169.5	-187.4	-171.1
214	ok	0.10	0.2	1.48e-02	4.5	4.5	4.5	4.5	-19.1	5.4	22.0	49.4	-233.2	359.5
215	ok	0.10	7.56e-02	1.14e-02	4.5	4.5	4.5	4.5	-37.1	3.0	8.3	149.4	-244.6	174.3
216	ok	0.10	5.46e-02	1.28e-02	4.5	4.5	4.5	4.5	-34.3	0.3	-2.8	153.3	-149.4	-132.9
217	ok	0.10	7.56e-02	1.14e-02	4.5	4.5	4.5	4.5	-37.1	3.0	-8.3	149.4	-244.6	-174.3
218	ok	0.10	0.2	1.48e-02	4.5	4.5	4.5	4.5	26.4	-2.2	-18.9	-256.4	-172.8	-331.8
219	ok	0.10	0.2	1.19e-02	4.5	4.5	4.5	4.5	-13.8	-8.2	-10.6	1211.2	461.4	84.4
220	ok	0.10	0.2	6.42e-03	4.5	4.5	4.5	4.5	-19.3	-18.3	-3.8	556.4	513.0	-530.2
221	ok	0.10	0.4	7.09e-03	4.5	4.5	4.5	4.5	-30.1	-6.2	6.5	2046.1	609.3	66.1
222	ok	0.10	0.2	4.31e-03	4.5	4.5	4.5	4.5	-1.6	-11.3	-2.6	766.7	308.5	71.4
223	ok	0.10	0.3	5.77e-03	4.5	4.5	4.5	4.5	-3.4	-6.8	-4.1	1266.0	646.7	119.7
224	ok	0.10	0.2	3.94e-03	4.5	4.5	4.5	4.5	-12.8	-9.6	0.6	695.6	686.1	-321.6
225	ok	0.10	0.3	3.24e-03	4.5	4.5	4.5	4.5	4.5	-9.6	9.43e-02	1316.4	281.1	5.2
226	ok	0.10	0.3	3.06e-03	4.5	4.5	4.5	4.5	-0.6	-9.7	1.4	1168.9	379.5	28.3
227	ok	0.10	0.2	3.60e-03	4.5	4.5	4.5	4.5	-2.6	-6.1	2.8	1066.9	411.3	236.5
228	ok	0.10	0.2	4.80e-03	4.5	4.5	4.5	4.5	-5.4	5.8	-3.6	613.3	706.2	179.5
229	ok	0.10	0.2	3.99e-03	4.5	4.5	4.5	4.5	-0.7	-4.3	-0.9	1049.1	-41.1	-49.1
230	ok	0.10	0.2	1.72e-03	4.5	4.5	4.5	4.5	0.7	-4.5	2.2	672.8	602.6	-28.0
231	ok	0.10	0.3	5.67e-03	4.5	4.5	4.5	4.5	-14.6	-13.5	-0.6	1352.8	-112.1	370.1
232	ok	0.10	0.2	1.25e-02	4.5	4.5	4.5	4.5	4.5	-15.7	-3.6	680.7	486.4	-194.0
233	ok	0.10	0.3	1.18e-02	4.5	4.5	4.5	4.5	-31.3	-2.2	-0.4	1631.4	102.3	398.2
234	ok	0.10	0.2	8.89e-04	4.5	4.5	4.5	4.5	1.1	0.8	1.1	-63.0	954.8	4.8
235	ok	0.10	0.4	1.56e-02	4.5	4.5	4.5	4.5	-3.5	-14.9	-0.7	-528.4	-1075.2	332.5
236	ok	0.10	0.3	8.20e-03	4.5	4.5	4.5	4.5	-20.2	0.8	-10.7	-331.5	-1115.5	-79.3
237	ok	0.10	0.3	1.27e-02	4.5	4.5	4.5	4.5	5.2	-5.0	-0.3	1288.8	-302.1	12.9
238	ok	0.10	0.3	1.69e-03	4.5	4.5	4.5	4.5	4.4	1.3	-2.0	-126.7	1153.0	246.1
239	ok	0.10	0.2	6.06e-03	4.5	4.5	4.5	4.5	13.0	1.4	10.8	-429.0	-617.7	219.7
240	ok	0.10	0.2	7.99e-03	4.5	4.5	4.5	4.5	-21.4	3.6	-2.4	-237.5	-997.8	-82.8
241	ok	0.10	0.2	3.05e-03	4.5	4.5	4.5	4.5	-0.7	2.6	1.2	871.0	93.3	51.7
242	ok	0.10	0.2	1.23e-03	4.5	4.5	4.5	4.5	6.4	-0.7	-1.1	388.1	1007.1	165.9
243	ok	0.10	0.2	3.63e-03	4.5	4.5	4.5	4.5	6.4	1.6	5.4	-385.6	-528.7	51.0
244	ok	0.10	0.2	8.74e-03	4.5	4.5	4.5	4.5	-27.4	0.4	0.3	-130.0	-1167.8	14.9
245	ok	0.10	0.2	7.13e-04	4.5	4.5	4.5	4.5	-1.4	-4.14e-02	-0.8	1038.0	160.1	-7.3
246	ok	0.10	0.2	5.53e-04	4.5	4.5	4.5	4.5	7.0	-1.1	6.43e-02	549.9	964.8	-0.9
247	ok	0.10	0.2	6.06e-03	4.5	4.5	4.5	4.5	2.1	-3.2	1.2	-387.9	-658.5	-179.8
248	ok	0.10	0.2	7.99e-03	4.5	4.5	4.5	4.5	-21.4	3.6	2.4	-237.5	-997.8	82.8
249	ok	0.10	0.2	3.05e-03	4.5	4.5	4.5	4.5	-1.6	0.5	-1.7	950.2	-23.3	-49.7
250	ok	0.10	0.2	1.23e-03	4.5	4.5	4.5	4.5	6.4	-0.7	1.1	388.1	1007.1	-166.0
251	ok	0.10	0.4	1.56e-02	4.5	4.5	4.5	4.5	-3.4	-14.8	0.7	-528.5	-1075.1	-332.6
252	ok	0.10	0.3	8.20e-03	4.5	4.5	4.5	4.5	-20.2	0.8	10.7	-331.5	-1115.5	79.3
253	ok	0.10	0.3	1.27e-02	4.5	4.5	4.5	4.5	-28.5	-4.3	-2.3	1571.4	301.4	434.5
254	ok	0.10	0.3	1.69e-03	4.5	4.5	4.5	4.5	4.4	1.3	2.0	-126.7	1153.0	-246.1
255	ok	0.10	0.3	5.68e-03	4.5	4.5	4.5	4.5	-15.7	-11.3	7.9	1454.5	672.6	-556.4
256	ok	0.10	0.2	1.25e-02	4.5	4.5	4.5	4.5	7.4	18.8	20.9	850.6	112.8	-125.4
257	ok	0.10	0.3	1.18e-02	4.5	4.5	4.5	4.5	-13.9	-27.1	-31.1	958.5	-324.3	554.9
258	ok	0.10	0.2	8.89e-04	4.5	4.5	4.5	4.5	1.1	0.8	-1.1	-63.0	954.8	-4.8
259	ok	0.10	0.2	3.60e-03	4.5	4.5	4.5	4.5	-2.6	-6.1	-2.9	1066.9	411.3	-236.5

260	ok	0.10	0.2	4.80e-03	4.5	4.5	4.5	4.5	-5.4	5.8	3.6	613.3	706.2	-179.5
261	ok	0.10	0.2	3.99e-03	4.5	4.5	4.5	4.5	0.3	-1.8	0.3	957.1	55.6	52.1
262	ok	0.10	0.2	1.72e-03	4.5	4.5	4.5	4.5	0.7	-4.5	-2.2	672.8	602.6	28.0
263	ok	0.10	0.3	5.77e-03	4.5	4.5	4.5	4.5	-3.4	-6.8	4.1	1266.0	646.7	-119.7
264	ok	0.10	0.2	3.94e-03	4.5	4.5	4.5	4.5	-12.8	-9.6	-0.6	695.6	686.1	321.6
265	ok	0.10	0.3	3.24e-03	4.5	4.5	4.5	4.5	4.5	-9.6	-9.40e-02	1316.4	281.1	-5.2
266	ok	0.10	0.3	3.06e-03	4.5	4.5	4.5	4.5	-0.6	-9.7	-1.4	1168.9	379.5	-28.3
267	ok	0.10	0.2	1.19e-02	4.5	4.5	4.5	4.5	-13.8	-8.2	10.6	1211.2	461.4	-84.4
268	ok	0.10	0.2	6.42e-03	4.5	4.5	4.5	4.5	-19.3	-18.3	3.8	556.4	513.0	530.2
269	ok	0.10	0.4	7.09e-03	4.5	4.5	4.5	4.5	-31.1	-10.6	-5.0	2051.3	652.6	91.0
270	ok	0.10	0.2	4.31e-03	4.5	4.5	4.5	4.5	-1.6	-11.3	2.6	766.7	308.5	-71.4
271	ok	0.10	0.2	5.42e-03	4.5	4.5	4.5	4.5	-1.7	-2.8	7.2	573.1	611.3	-623.3
272	ok	0.10	0.2	7.10e-03	4.5	4.5	4.5	4.5	-24.0	-12.6	3.6	-1058.4	-160.6	-434.0
273	ok	0.10	0.2	4.84e-03	4.5	4.5	4.5	4.5	-1.5	1.9	7.3	496.0	646.9	-520.1
274	ok	0.10	0.2	7.11e-03	4.5	4.5	4.5	4.5	-24.0	-12.6	-3.6	-1058.3	-160.6	434.0
275	ok	0.10	8.39e-02	4.11e-03	4.5	4.5	4.5	4.5	-0.9	1.2	0.2	25.4	30.3	209.7
276	ok	0.10	0.2	6.52e-03	4.5	4.5	4.5	4.5	-18.4	1.0	1.7	724.5	908.5	-42.1
277	ok	0.10	0.2	5.85e-03	4.5	4.5	4.5	4.5	-8.7	-4.2	1.19e-03	751.5	835.2	352.7
278	ok	0.10	0.2	6.52e-03	4.5	4.5	4.5	4.5	-18.4	1.0	-1.7	724.5	908.5	42.1
279	ok	0.10	0.2	5.90e-03	4.5	4.5	4.5	4.5	-8.1	-10.0	-3.9	811.5	786.2	364.8
280	ok	0.10	0.2	5.42e-03	4.5	4.5	4.5	4.5	-1.7	-2.8	-7.2	573.1	611.3	623.3
281	ok	0.10	0.2	5.85e-03	4.5	4.5	4.5	4.5	-8.7	-4.2	4.02e-04	751.5	835.2	-352.7
282	ok	0.10	8.29e-02	4.11e-03	4.5	4.5	4.5	4.5	-1.3	1.1	-0.1	22.8	29.5	-208.8
283	ok	0.10	0.2	4.34e-03	4.5	4.5	4.5	4.5	-12.8	-6.4	-5.2	-326.4	-157.0	-144.2
284	ok	0.10	0.2	2.75e-03	4.5	4.5	4.5	4.5	-8.7	-4.7	1.3	924.9	950.5	16.2
285	ok	0.10	0.1	1.29e-02	4.5	4.5	4.5	4.5	-0.8	-1.0	-2.1	-47.0	-226.3	-244.6
286	ok	0.10	0.2	4.84e-03	4.5	4.5	4.5	4.5	-1.5	1.9	-7.3	496.0	646.9	520.1
287	ok	0.10	0.2	5.90e-03	4.5	4.5	4.5	4.5	-8.1	-10.0	3.9	811.5	786.2	-364.8
288	ok	0.10	0.2	6.41e-03	4.5	4.5	4.5	4.5	-4.2	-16.3	2.8	699.2	572.3	-339.9
289	ok	0.10	0.3	9.10e-03	4.5	4.5	4.5	4.5	-9.1	-4.5	10.4	-1631.8	-319.3	140.6
290	ok	0.10	0.2	6.71e-03	4.5	4.5	4.5	4.5	-4.0	2.4	-7.9	-144.9	212.9	-505.5
291	ok	0.10	0.3	9.06e-03	4.5	4.5	4.5	4.5	-9.2	-4.6	-10.5	-1631.8	-319.1	-140.6
292	ok	0.10	0.5	3.48e-03	4.5	4.5	4.5	4.5	71.0	57.8	24.5	-928.7	-252.2	-266.2
293	ok	0.10	0.2	3.62e-03	4.5	4.5	4.5	4.5	-8.2	-7.8	3.0	1208.3	846.1	-20.7
294	ok	0.10	0.2	3.66e-03	4.5	4.5	4.5	4.5	-7.7	-3.2	1.5	1022.6	693.0	165.7
295	ok	0.10	0.2	3.62e-03	4.5	4.5	4.5	4.5	-8.2	-7.8	-3.0	1208.3	846.1	20.7
296	ok	0.10	0.3	3.76e-03	4.5	4.5	4.5	4.5	-6.9	-8.6	0.7	1157.9	840.5	216.7
297	ok	0.10	0.2	6.41e-03	4.5	4.5	4.5	4.5	-4.2	-16.3	-2.8	699.2	572.3	339.9
298	ok	0.10	0.2	3.66e-03	4.5	4.5	4.5	4.5	-7.7	-3.2	-1.5	1022.6	693.0	-165.7
299	ok	0.10	0.5	3.45e-03	4.5	4.5	4.5	4.5	70.9	57.6	-24.2	-931.0	-250.7	268.9
300	ok	0.10	0.2	7.03e-03	4.5	4.5	4.5	4.5	14.7	-0.5	0.3	-165.5	-1.4	152.9
301	ok	0.10	0.1	1.51e-03	4.5	4.5	4.5	4.5	15.6	7.15e-03	-1.88e-02	-150.3	10.9	-57.2
302	ok	0.10	0.2	7.04e-03	4.5	4.5	4.5	4.5	-10.1	-3.5	-0.6	-485.1	-21.2	-137.6
303	ok	0.10	0.2	6.71e-03	4.5	4.5	4.5	4.5	-4.0	2.3	7.8	-144.9	212.8	505.7
304	ok	0.10	0.3	3.76e-03	4.5	4.5	4.5	4.5	-6.9	-8.6	-0.7	1157.9	840.5	-216.7
305	ok	0.10	0.2	4.80e-03	4.5	4.5	4.5	4.5	-3.0	-15.4	2.5	734.2	325.5	-62.5
306	ok	0.10	0.3	2.72e-03	4.5	4.5	4.5	4.5	-7.3	3.8	-1.6	-583.1	1093.1	224.8
307	ok	0.10	0.2	2.60e-03	4.5	4.5	4.5	4.5	-8.7	0.9	-0.9	-137.8	847.6	320.6
308	ok	0.10	0.3	2.72e-03	4.5	4.5	4.5	4.5	-7.3	3.8	1.6	-583.1	1093.1	-224.8
309	ok	0.10	0.3	3.42e-03	4.5	4.5	4.5	4.5	7.1	9.13e-02	4.8	-160.4	1021.2	-79.6
310	ok	0.10	0.2	2.50e-03	4.5	4.5	4.5	4.5	-0.9	-8.3	-1.3	1119.1	500.1	-94.6
311	ok	0.10	0.2	1.64e-03	4.5	4.5	4.5	4.5	0.9	-4.4	-2.2	748.6	607.6	-207.0
312	ok	0.10	0.2	2.50e-03	4.5	4.5	4.5	4.5	-0.9	-8.3	1.3	1119.1	500.1	94.6
313	ok	0.10	0.3	3.37e-03	4.5	4.5	4.5	4.5	-2.3	-11.2	0.2	1180.0	429.8	50.3
314	ok	0.10	0.2	4.80e-03	4.5	4.5	4.5	4.5	-3.0	-15.4	-2.5	734.2	325.5	62.5
315	ok	0.10	0.2	1.64e-03	4.5	4.5	4.5	4.5	0.9	-4.4	2.2	748.6	607.6	207.0
316	ok	0.10	0.3	3.42e-03	4.5	4.5	4.5	4.5	7.1	9.11e-02	-4.8	-160.4	1021.1	79.6
317	ok	0.10	0.2	2.12e-03	4.5	4.5	4.5	4.5	10.3	-1.8	-1.5	275.8	959.5	80.7
318	ok	0.10	0.2	1.01e-03	4.5	4.5	4.5	4.5	10.4	-2.2	-2.26e-02	402.0	945.2	-4.7
319	ok	0.10	0.2	2.12e-03	4.5	4.5	4.5	4.5	10.3	-1.8	1.5	275.8	959.5	-80.7
320	ok	0.10	0.2	2.60e-03	4.5	4.5	4.5	4.5	-8.7	0.9	0.9	-137.8	847.6	-320.6
321	ok	0.10	0.3	3.37e-03	4.5	4.5	4.5	4.5	-2.3	-11.2	-0.2	1180.0	429.8	-50.3
322	ok	0.10	0.2	6.26e-03	4.5	4.5	4.5	4.5	2.6	-11.3	-0.2	896.0	377.9	-27.0
323	ok	0.10	0.4	8.82e-03	4.5	4.5	4.5	4.5	21.6	-12.9	-13.5	-519.4	1373.0	440.2
324	ok	0.10	0.3	5.04e-03	4.5	4.5	4.5	4.5	-14.7	-7.7	1.8	-754.8	-699.2	403.9
325	ok	0.10	0.4	8.82e-03	4.5	4.5	4.5	4.5	21.5	-12.9	13.5	-519.3	1373.0	-440.2
326	ok	0.10	0.1	6.20e-03	4.5	4.5	4.5	4.5	-0.2	3.2	23.6	-377.8	-380.6	250.8
327	ok	0.10	0.3	2.74e-03	4.5	4.5	4.5	4.5	-2.1	-8.7	0.4	1207.6	517.3	-147.4
328	ok	0.10	0.2	2.30e-03	4.5	4.5	4.5	4.5	2.0	-7.8	-1.5	917.4	418.6	-318.5
329	ok	0.10	0.3	2.74e-03	4.5	4.5	4.5	4.5	-2.1	-8.7	-0.4	1207.6	517.3	147.4
330	ok	0.10	0.3	4.14e-03	4.5	4.5	4.5	4.5	-3.3	-12.3	-0.7	1219.6	480.6	86.0
331	ok	0.10	0.2	6.26e-03	4.5	4.5	4.5	4.5	2.6	-11.3	0.2	896.0	377.9	27.0
332	ok	0.10	0.2	2.30e-03	4.5	4.5	4.5	4.5	2.0	-7.8	1.5	917.4	418.6	318.5
333	ok	0.10	0.1	6.20e-03	4.5	4.5	4.5	4.5	8.2	-8.9	-7.1	-389.6	217.5	-50.0
334	ok	0.10	0.1	4.75e-03	4.5	4.5	4.5	4.5	13.9	-2.5	0.1	124.4	452.4	92.6
335	ok	0.10	0.1	3.36e-03	4.5	4.5	4.5	4.5	12.6	-2.7	-0.2	207.9	487.2	7.8
336	ok	0.10	0.1	4.75e-03	4.5	4.5	4.5	4.5	13.9	-2.5	-0.1	124.4	452.4	-92.6
337	ok	0.10	0.3	5.04e-03	4.5	4.5	4.5	4.5	12.3	12.5	-0.9	79.0	500.8	-661.8

338	ok	0.10	0.3	4.14e-03	4.5	4.5	4.5	4.5	-3.3	-12.3	0.7	1219.6	480.6	-86.0
339	ok	0.10	0.3	3.71e-03	4.5	4.5	4.5	4.5	4.1	-11.5	-2.4	987.5	203.3	-161.4
340	ok	0.10	0.2	5.60e-03	4.5	4.5	4.5	4.5	2.5	1.7	-1.3	-877.4	911.6	100.4
341	ok	0.10	0.3	3.71e-03	4.5	4.5	4.5	4.5	-1.2	-7.90e-02	0.5	-382.2	507.6	-449.9
342	ok	0.10	0.2	5.60e-03	4.5	4.5	4.5	4.5	2.5	1.7	1.3	-877.4	911.6	-100.4
343	ok	0.10	0.3	3.94e-03	4.5	4.5	4.5	4.5	0.2	1.7	-0.5	-368.1	657.0	-566.7
344	ok	0.10	0.2	2.47e-03	4.5	4.5	4.5	4.5	1.5	-7.6	-2.6	1132.1	311.8	80.9
345	ok	0.10	0.2	2.19e-03	4.5	4.5	4.5	4.5	0.9	-4.9	-2.3	724.5	335.8	226.0
346	ok	0.10	0.2	2.47e-03	4.5	4.5	4.5	4.5	1.5	-7.6	2.6	1132.1	311.8	-80.9
347	ok	0.10	0.3	2.81e-03	4.5	4.5	4.5	4.5	5.5	-7.4	1.9	1180.1	336.9	-20.9
348	ok	0.10	0.3	3.71e-03	4.5	4.5	4.5	4.5	4.1	-11.5	2.4	987.5	203.3	161.4
349	ok	0.10	0.2	2.19e-03	4.5	4.5	4.5	4.5	0.9	-4.9	2.3	724.5	335.8	-226.0
350	ok	0.10	0.3	3.94e-03	4.5	4.5	4.5	4.5	0.2	1.7	0.5	-368.1	657.0	566.7
351	ok	0.10	0.2	9.03e-04	4.5	4.5	4.5	4.5	2.9	-0.1	-0.4	556.2	612.5	271.8
352	ok	0.10	0.2	4.10e-04	4.5	4.5	4.5	4.5	3.3	-0.4	1.61e-02	763.2	619.1	-5.03e-02
353	ok	0.10	0.2	9.03e-04	4.5	4.5	4.5	4.5	2.9	-0.1	0.4	556.2	612.5	-271.8
354	ok	0.10	0.3	3.71e-03	4.5	4.5	4.5	4.5	-1.2	-8.00e-02	-0.5	-382.2	507.6	449.9
355	ok	0.10	0.3	2.81e-03	4.5	4.5	4.5	4.5	5.5	-7.4	-1.9	1180.1	336.9	20.9
356	ok	0.10	0.4	3.84e-03	4.5	4.5	4.5	4.5	13.5	-11.7	-3.8	1479.8	288.0	-165.0
357	ok	0.10	0.8	1.60e-02	4.5	4.5	4.5	4.5	0.9	-1.0	2.5	-2688.2	-947.7	283.0
358	ok	0.10	0.4	9.69e-03	4.5	4.5	4.5	4.5	0.5	-6.8	-8.25e-02	-299.5	-1447.3	-752.5
359	ok	0.10	0.8	1.60e-02	4.5	4.5	4.5	4.5	0.9	-1.0	-2.5	-2688.2	-947.7	-283.0
360	ok	0.10	0.4	9.54e-03	4.5	4.5	4.5	4.5	0.4	-6.0	-0.9	-207.6	-1319.6	-761.7
361	ok	0.12	0.3	2.43e-03	15.8	4.5	4.5	4.5	1.8	-7.6	-0.9	1227.3	200.4	54.5
362	ok	0.10	0.2	2.86e-03	4.5	4.5	4.5	4.5	0.6	-5.4	-0.5	898.3	-54.7	181.7
363	ok	0.10	0.3	2.44e-03	4.5	4.5	4.5	4.5	1.8	-7.6	0.9	1227.3	200.4	-54.5
364	ok	0.10	0.3	2.86e-03	4.5	4.5	4.5	4.5	1.7	-10.6	0.5	1218.9	370.7	20.1
365	ok	0.10	0.4	3.84e-03	4.5	4.5	4.5	4.5	5.2	8.0	-0.7	974.7	502.7	-57.6
366	ok	0.10	0.2	2.86e-03	4.5	4.5	4.5	4.5	0.9	-6.5	1.7	893.9	-71.6	-180.1
367	ok	0.10	0.4	9.54e-03	4.5	4.5	4.5	4.5	0.4	-6.0	0.9	-207.6	-1319.6	761.7
368	ok	0.10	0.2	2.59e-03	4.5	4.5	4.5	4.5	0.4	-0.5	0.7	798.8	48.6	194.6
369	ok	0.10	0.2	6.65e-04	4.5	4.5	4.5	4.5	-0.4	3.40e-02	-0.6	984.3	233.2	-10.6
370	ok	0.10	0.2	2.59e-03	4.5	4.5	4.5	4.5	0.4	-0.5	-0.7	798.8	48.6	-194.6
371	ok	0.10	0.4	9.69e-03	4.5	4.5	4.5	4.5	0.5	-6.8	8.24e-02	-299.5	-1447.3	752.5
372	ok	0.10	0.3	2.86e-03	4.5	4.5	4.5	4.5	1.7	-10.6	-0.5	1218.9	370.7	-20.1
373	ok	0.10	0.4	4.02e-03	4.5	4.5	4.5	4.5	17.4	11.6	2.2	1441.4	598.0	88.5
374	ok	0.10	0.7	1.54e-02	4.5	4.5	4.5	4.5	4.1	65.1	-21.8	-2067.3	-2008.1	-267.0
375	ok	0.10	0.4	9.10e-03	4.5	4.5	4.5	4.5	-2.4	-7.1	-1.1	-419.4	-1202.2	826.9
376	ok	0.10	0.7	1.54e-02	4.5	4.5	4.5	4.5	4.1	65.1	21.8	-2067.3	-2008.1	267.0
377	ok	0.10	0.3	8.75e-03	4.5	4.5	4.5	4.5	-3.2	-6.5	-2.0	-351.3	-1136.3	855.3
378	ok	0.10	0.3	2.33e-03	4.5	4.5	4.5	4.5	-0.4	-7.3	1.7	1241.9	317.8	-73.0
379	ok	0.10	0.2	3.04e-03	4.5	4.5	4.5	4.5	-1.7	-5.1	0.1	903.6	70.8	-214.6
380	ok	0.10	0.3	2.33e-03	4.5	4.5	4.5	4.5	-0.4	-7.3	-1.7	1241.9	317.8	73.0
381	ok	0.10	0.3	2.97e-03	4.5	4.5	4.5	4.5	2.9	-9.5	3.9	1259.4	447.2	64.8
382	ok	0.10	0.4	4.02e-03	4.5	4.5	4.5	4.5	10.7	-13.3	1.1	1377.9	326.4	-138.8
383	ok	0.10	0.2	3.04e-03	4.5	4.5	4.5	4.5	-1.7	-5.1	-0.1	903.6	70.8	214.6
384	ok	0.10	0.3	8.75e-03	4.5	4.5	4.5	4.5	-20.1	-37.4	-6.9	-501.5	-808.1	-444.6
385	ok	0.10	0.2	3.05e-03	4.5	4.5	4.5	4.5	-2.8	-0.8	9.52e-02	770.2	91.1	-230.3
386	ok	0.10	0.2	1.02e-03	4.5	4.5	4.5	4.5	-3.3	-0.3	-0.5	961.5	261.4	-10.8
387	ok	0.10	0.2	3.05e-03	4.5	4.5	4.5	4.5	-2.8	-0.8	-9.55e-02	770.2	91.1	230.3
388	ok	0.10	0.4	9.10e-03	4.5	4.5	4.5	4.5	-10.5	-30.7	-8.0	-378.7	-740.5	-379.5
389	ok	0.10	0.3	2.97e-03	4.5	4.5	4.5	4.5	2.9	-9.5	-3.9	1259.4	447.2	-64.8
390	ok	0.10	0.2	4.42e-03	4.5	4.5	4.5	4.5	-3.50e-02	-18.5	-2.6	927.0	378.3	134.9
391	ok	0.10	0.2	5.09e-03	4.5	4.5	4.5	4.5	-2.2	1.8	2.0	-796.2	1018.0	-78.5
392	ok	0.10	0.3	3.28e-03	4.5	4.5	4.5	4.5	-6.3	-0.6	-0.6	-283.4	723.1	424.2
393	ok	0.10	0.2	5.09e-03	4.5	4.5	4.5	4.5	-2.2	1.8	-2.0	-796.2	1018.0	78.5
394	ok	0.10	0.3	3.38e-03	4.5	4.5	4.5	4.5	-7.0	1.5	-0.5	-319.7	723.6	499.3
395	ok	0.10	0.2	2.40e-03	4.5	4.5	4.5	4.5	-3.4	-6.7	2.7	1163.9	607.6	-87.1
396	ok	0.10	0.2	2.01e-03	4.5	4.5	4.5	4.5	-3.7	-3.9	2.0	764.1	603.0	-248.8
397	ok	0.10	0.2	2.40e-03	4.5	4.5	4.5	4.5	-3.4	-6.7	-2.7	1163.9	607.6	87.1
398	ok	0.10	0.3	3.10e-03	4.5	4.5	4.5	4.5	-2.9	-9.1	-2.8	1232.6	563.8	-49.2
399	ok	0.10	0.2	4.42e-03	4.5	4.5	4.5	4.5	-3.51e-02	-18.5	2.6	927.0	378.3	-134.9
400	ok	0.10	0.2	2.01e-03	4.5	4.5	4.5	4.5	-3.7	-3.9	-2.0	764.1	603.0	248.8
401	ok	0.10	0.3	3.38e-03	4.5	4.5	4.5	4.5	-7.0	1.5	0.5	-319.7	723.6	-499.3
402	ok	0.10	0.2	1.49e-03	4.5	4.5	4.5	4.5	-3.9	-1.1	1.2	523.8	632.1	-261.0
403	ok	0.10	0.2	1.19e-03	4.5	4.5	4.5	4.5	-3.5	-1.7	5.51e-02	720.7	620.8	-0.6
404	ok	0.10	0.2	1.49e-03	4.5	4.5	4.5	4.5	-3.9	-1.1	-1.2	523.8	632.1	261.0
405	ok	0.10	0.3	3.28e-03	4.5	4.5	4.5	4.5	-6.3	-0.6	0.6	-283.4	723.1	-424.2
406	ok	0.10	0.3	3.10e-03	4.5	4.5	4.5	4.5	-2.9	-9.1	2.8	1232.6	563.8	49.2
407	ok	0.10	0.2	5.52e-03	4.5	4.5	4.5	4.5	-6.7	-18.0	-0.8	732.9	549.3	239.1
408	ok	0.10	0.3	5.03e-03	4.5	4.5	4.5	4.5	-17.4	3.2	-2.6	-530.2	1139.5	-66.1
409	ok	0.10	0.2	3.67e-03	4.5	4.5	4.5	4.5	-12.9	-1.6	1.0	-97.7	1024.2	100.3
410	ok	0.10	0.3	5.03e-03	4.5	4.5	4.5	4.5	-17.4	3.2	2.6	-530.2	1139.5	66.1
411	ok	0.10	0.2	2.72e-03	4.5	4.5	4.5	4.5	-7.1	1.8	-1.7	-124.4	962.6	167.8
412	ok	0.10	0.2	2.46e-03	4.5	4.5	4.5	4.5	-6.6	-5.8	2.4	1070.3	865.2	-29.5
413	ok	0.10	0.2	2.12e-03	4.5	4.5	4.5	4.5	-5.8	-3.6	1.2	705.4	910.6	-137.9
414	ok	0.10	0.2	2.46e-03	4.5	4.5	4.5	4.5	-6.6	-5.8	-2.4	1070.3	865.2	29.5
415	ok	0.10	0.2	3.42e-03	4.5	4.5	4.5	4.5	-7.4	-9.9	-2.6	1148.2	774.7	-120.3

416	ok	0.10	0.2	5.52e-03	4.5	4.5	4.5	4.5	-6.7	-18.0	0.8	732.9	549.3	-239.1
417	ok	0.10	0.2	2.12e-03	4.5	4.5	4.5	4.5	-5.8	-3.6	-1.2	705.4	910.6	137.9
418	ok	0.10	0.2	2.72e-03	4.5	4.5	4.5	4.5	-7.1	1.8	1.7	-124.4	962.6	-167.8
419	ok	0.10	0.2	2.36e-03	4.5	4.5	4.5	4.5	-5.2	-2.1	1.2	350.0	790.4	-138.4
420	ok	0.10	0.2	1.96e-03	4.5	4.5	4.5	4.5	-5.3	-3.1	2.77e-02	480.9	745.1	-7.0
421	ok	0.10	0.2	2.36e-03	4.5	4.5	4.5	4.5	-5.2	-2.1	-1.2	350.0	790.4	138.4
422	ok	0.10	0.2	3.67e-03	4.5	4.5	4.5	4.5	-12.9	-1.6	-1.0	-97.7	1024.2	-100.3
423	ok	0.10	0.2	3.42e-03	4.5	4.5	4.5	4.5	-7.4	-9.9	2.6	1148.2	774.7	120.3
424	ok	0.10	0.2	6.37e-03	4.5	4.5	4.5	4.5	-10.4	-21.1	1.8	654.4	605.7	391.2

Nodo	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
								-62.53	-60.14	-47.79	-5292.88	-5650.86	-821.72
	0.18	0.81	0.02	15.83	4.52	15.83	4.52	88.83	65.14	47.79	2051.26	1372.97	855.32

Nodo	**Stato**	**Max tau** daN/cm2	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr** daN/cm	**V sec** daN/cm
1	ok	0.65						
2	ok	0.40						
3	ok	0.85						
4	ok	0.62						
5	ok	0.62						
6	ok	0.62						
7	ok	0.93						
8	ok	0.26						
9	ok	0.73						
10	ok	0.0						
11	ok	1.17						
12	ok	0.0						
13	ok	0.49						
14	ok	0.81						
15	ok	0.78						
16	ok	0.81						
17	ok	0.81						
18	ok	0.73						
19	ok	0.78						
20	ok	0.49						
21	ok	0.48						
22	ok	0.48						
23	ok	0.48						
24	ok	1.17						
25	ok	0.81						
26	ok	0.0						
27	ok	0.0						
28	ok	0.0						
29	ok	0.0						
30	ok	0.0						
31	ok	0.0						
32	ok	0.27						
33	ok	0.30						
34	ok	0.29						
35	ok	0.29						
36	ok	0.30						
37	ok	0.27						
38	ok	0.29						
39	ok	0.29						
40	ok	0.0						
41	ok	0.93						
42	ok	0.93						
43	ok	0.27						
44	ok	0.0						
45	ok	0.0						
46	ok	0.0						
47	ok	0.0						
48	ok	0.0						
49	ok	0.0						
50	ok	0.0						
51	ok	0.28						
52	ok	0.37						
53	ok	0.29						
54	ok	0.30						
55	ok	0.37						
56	ok	0.28						
57	ok	0.30						
58	ok	0.29						
59	ok	0.61						
60	ok	0.47						

61	ok	0.38
62	ok	0.47
63	ok	0.61
64	ok	0.0
65	ok	0.0
66	ok	0.38
67	ok	0.0
68	ok	0.26
69	ok	0.0
70	ok	0.37
71	ok	0.20
72	ok	0.28
73	ok	0.0
74	ok	0.63
75	ok	0.33
76	ok	0.35
77	ok	0.30
78	ok	0.39
79	ok	0.63
80	ok	0.0
81	ok	0.0
82	ok	0.0
83	ok	0.0
84	ok	0.0
85	ok	0.38
86	ok	0.0
87	ok	0.26
88	ok	0.0
89	ok	0.37
90	ok	0.20
91	ok	0.28
92	ok	0.0
93	ok	0.63
94	ok	0.33
95	ok	0.35
96	ok	0.30
97	ok	0.39
98	ok	0.63
99	ok	0.0
100	ok	0.0
101	ok	0.0
102	ok	0.24
103	ok	0.26
104	ok	0.0
106	ok	0.0
108	ok	0.52
109	ok	0.40
110	ok	0.0
112	ok	0.0
114	ok	0.0
116	ok	0.0
118	ok	0.35
120	ok	0.0
122	ok	0.0
124	ok	0.0
126	ok	0.0
140	ok	0.0
141	ok	0.0
142	ok	0.52
143	ok	0.0
144	ok	0.0
145	ok	0.0
146	ok	0.0
147	ok	0.0
148	ok	0.35
149	ok	0.0
150	ok	0.0
151	ok	0.0
159	ok	0.62
160	ok	0.52
161	ok	0.52
162	ok	0.62
163	ok	0.23
164	ok	0.23
165	ok	0.13
166	ok	0.13
167	ok	0.0
168	ok	0.19

169	ok	0.19
170	ok	0.0
171	ok	0.61
172	ok	0.74
173	ok	0.73
174	ok	0.81
175	ok	0.74
176	ok	0.56
177	ok	0.74
178	ok	0.61
179	ok	0.56
180	ok	0.74
181	ok	0.78
182	ok	0.52
183	ok	0.81
184	ok	0.73
185	ok	0.52
186	ok	0.78
187	ok	0.61
188	ok	0.59
189	ok	0.61
190	ok	0.59
191	ok	0.53
192	ok	0.53
193	ok	0.0
194	ok	0.63
195	ok	0.0
196	ok	0.63
197	ok	0.56
198	ok	0.67
199	ok	0.56
200	ok	0.67
201	ok	0.65
202	ok	0.65
203	ok	0.63
204	ok	0.0
205	ok	0.65
206	ok	0.65
207	ok	0.63
208	ok	0.0
209	ok	0.0
210	ok	0.77
211	ok	0.77
212	ok	0.93
213	ok	0.0
214	ok	0.61
215	ok	0.47
216	ok	0.38
217	ok	0.47
218	ok	0.61
219	ok	0.67
220	ok	0.62
221	ok	1.04
222	ok	0.52
223	ok	0.29
224	ok	0.52
225	ok	0.33
226	ok	0.19
227	ok	0.54
228	ok	0.47
229	ok	0.63
230	ok	0.26
231	ok	1.59
232	ok	1.17
233	ok	2.24
234	ok	0.34
235	ok	1.16
236	ok	0.85
237	ok	2.21
238	ok	0.35
239	ok	0.69
240	ok	0.62
241	ok	0.64
242	ok	0.27
243	ok	0.59
244	ok	0.62
245	ok	0.17
246	ok	0.09

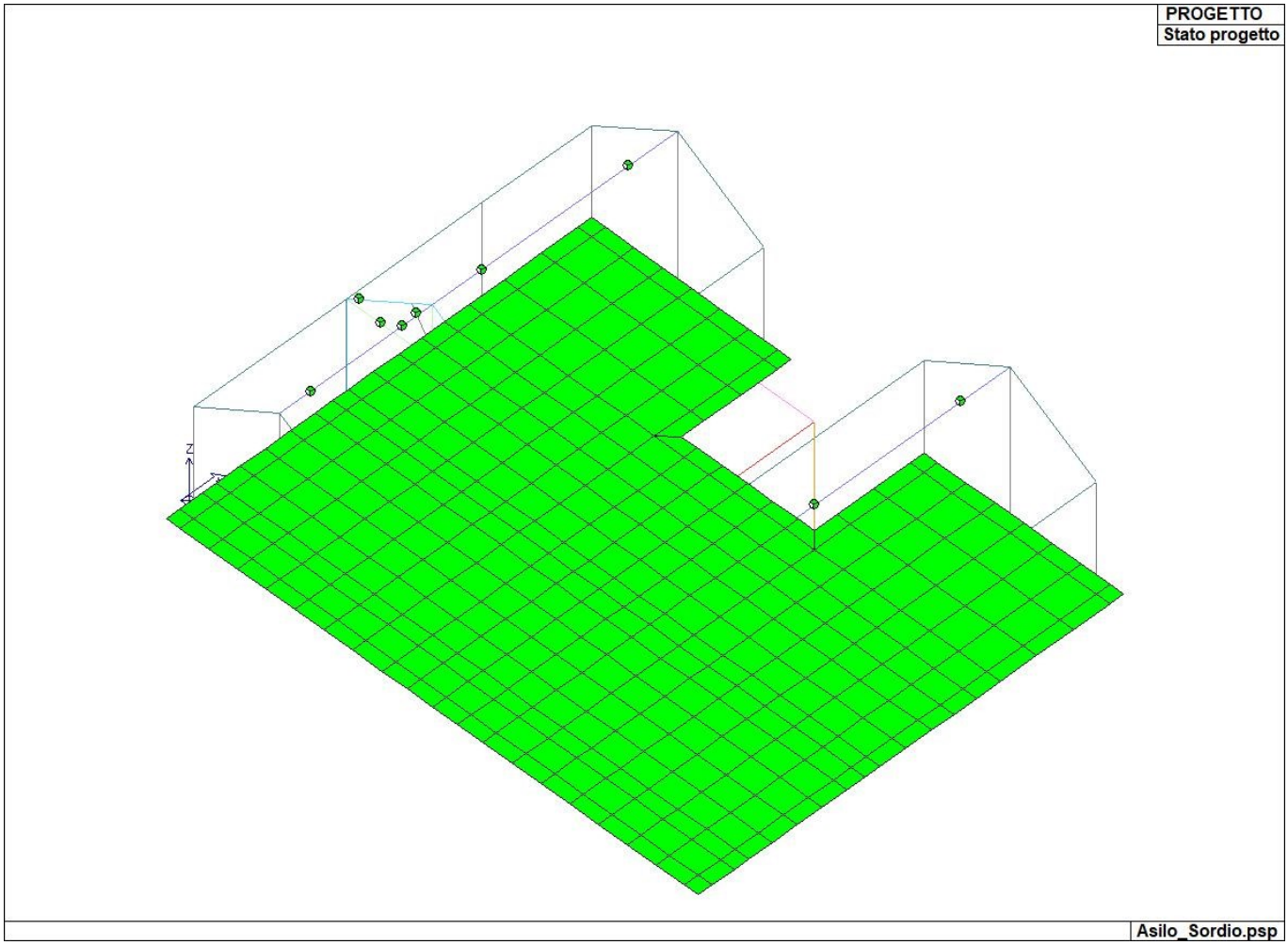
247	ok	0.69
248	ok	0.62
249	ok	0.64
250	ok	0.27
251	ok	1.16
252	ok	0.85
253	ok	2.21
254	ok	0.35
255	ok	1.59
256	ok	1.17
257	ok	2.24
258	ok	0.34
259	ok	0.54
260	ok	0.47
261	ok	0.63
262	ok	0.26
263	ok	0.29
264	ok	0.52
265	ok	0.33
266	ok	0.19
267	ok	0.67
268	ok	0.62
269	ok	1.04
270	ok	0.52
271	ok	0.61
272	ok	0.70
273	ok	0.70
274	ok	0.70
275	ok	0.29
276	ok	0.74
277	ok	0.74
278	ok	0.74
279	ok	0.74
280	ok	0.61
281	ok	0.74
282	ok	0.29
283	ok	0.85
284	ok	0.24
285	ok	0.27
286	ok	0.70
287	ok	0.74
288	ok	0.61
289	ok	1.19
290	ok	1.19
291	ok	1.19
292	ok	0.0
293	ok	0.19
294	ok	0.54
295	ok	0.19
296	ok	0.25
297	ok	0.61
298	ok	0.54
299	ok	0.0
300	ok	0.57
301	ok	0.50
302	ok	0.57
303	ok	1.19
304	ok	0.25
305	ok	0.56
306	ok	0.56
307	ok	0.53
308	ok	0.56
309	ok	0.56
310	ok	0.12
311	ok	0.37
312	ok	0.12
313	ok	0.22
314	ok	0.56
315	ok	0.37
316	ok	0.56
317	ok	0.36
318	ok	0.30
319	ok	0.36
320	ok	0.53
321	ok	0.22
322	ok	0.67
323	ok	1.59
324	ok	1.59

325	ok	1.59
326	ok	1.16
327	ok	0.17
328	ok	0.48
329	ok	0.17
330	ok	0.29
331	ok	0.67
332	ok	0.48
333	ok	1.16
334	ok	0.69
335	ok	0.59
336	ok	0.69
337	ok	1.59
338	ok	0.29
339	ok	0.54
340	ok	1.05
341	ok	1.04
342	ok	1.05
343	ok	1.05
344	ok	0.19
345	ok	0.46
346	ok	0.19
347	ok	0.32
348	ok	0.54
349	ok	0.46
350	ok	1.05
351	ok	0.47
352	ok	0.15
353	ok	0.47
354	ok	1.04
355	ok	0.32
356	ok	1.04
357	ok	0.0
358	ok	2.24
359	ok	0.0
360	ok	2.21
361	ok	0.22
362	ok	0.63
363	ok	0.22
364	ok	0.32
365	ok	1.04
366	ok	0.63
367	ok	2.21
368	ok	0.64
369	ok	0.17
370	ok	0.64
371	ok	2.24
372	ok	0.32
373	ok	0.97
374	ok	0.0
375	ok	2.07
376	ok	0.0
377	ok	2.03
378	ok	0.23
379	ok	0.63
380	ok	0.23
381	ok	0.33
382	ok	0.97
383	ok	0.63
384	ok	2.03
385	ok	0.61
386	ok	0.16
387	ok	0.61
388	ok	2.07
389	ok	0.33
390	ok	0.62
391	ok	0.94
392	ok	0.94
393	ok	0.94
394	ok	0.91
395	ok	0.21
396	ok	0.47
397	ok	0.21
398	ok	0.33
399	ok	0.62
400	ok	0.47
401	ok	0.91
402	ok	0.43

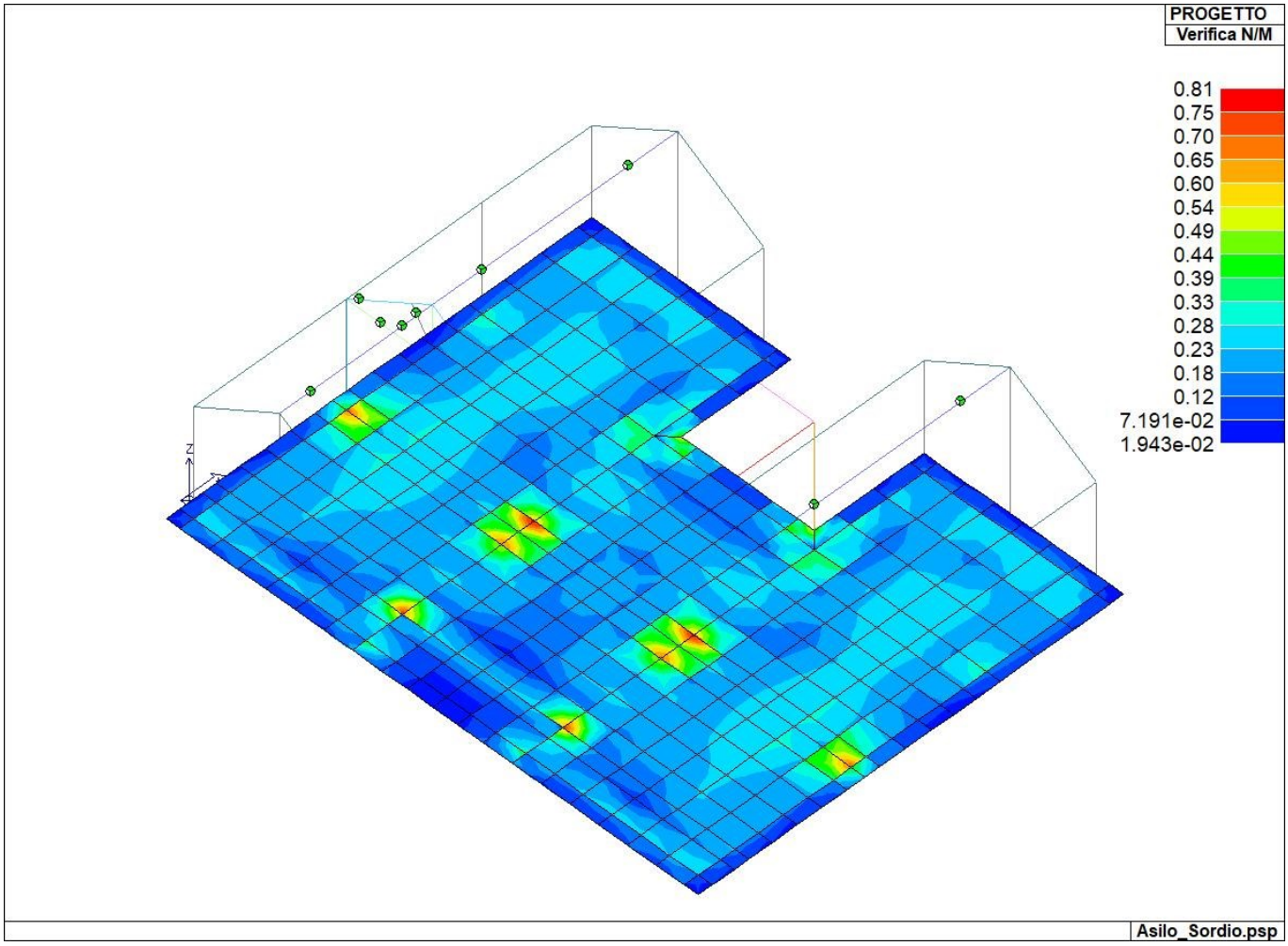
403	ok	0.13
404	ok	0.43
405	ok	0.94
406	ok	0.33
407	ok	0.65
408	ok	0.38
409	ok	0.38
410	ok	0.38
411	ok	0.33
412	ok	0.15
413	ok	0.27
414	ok	0.15
415	ok	0.23
416	ok	0.65
417	ok	0.27
418	ok	0.33
419	ok	0.30
420	ok	0.29
421	ok	0.30
422	ok	0.38
423	ok	0.23
424	ok	0.65

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	2.24						

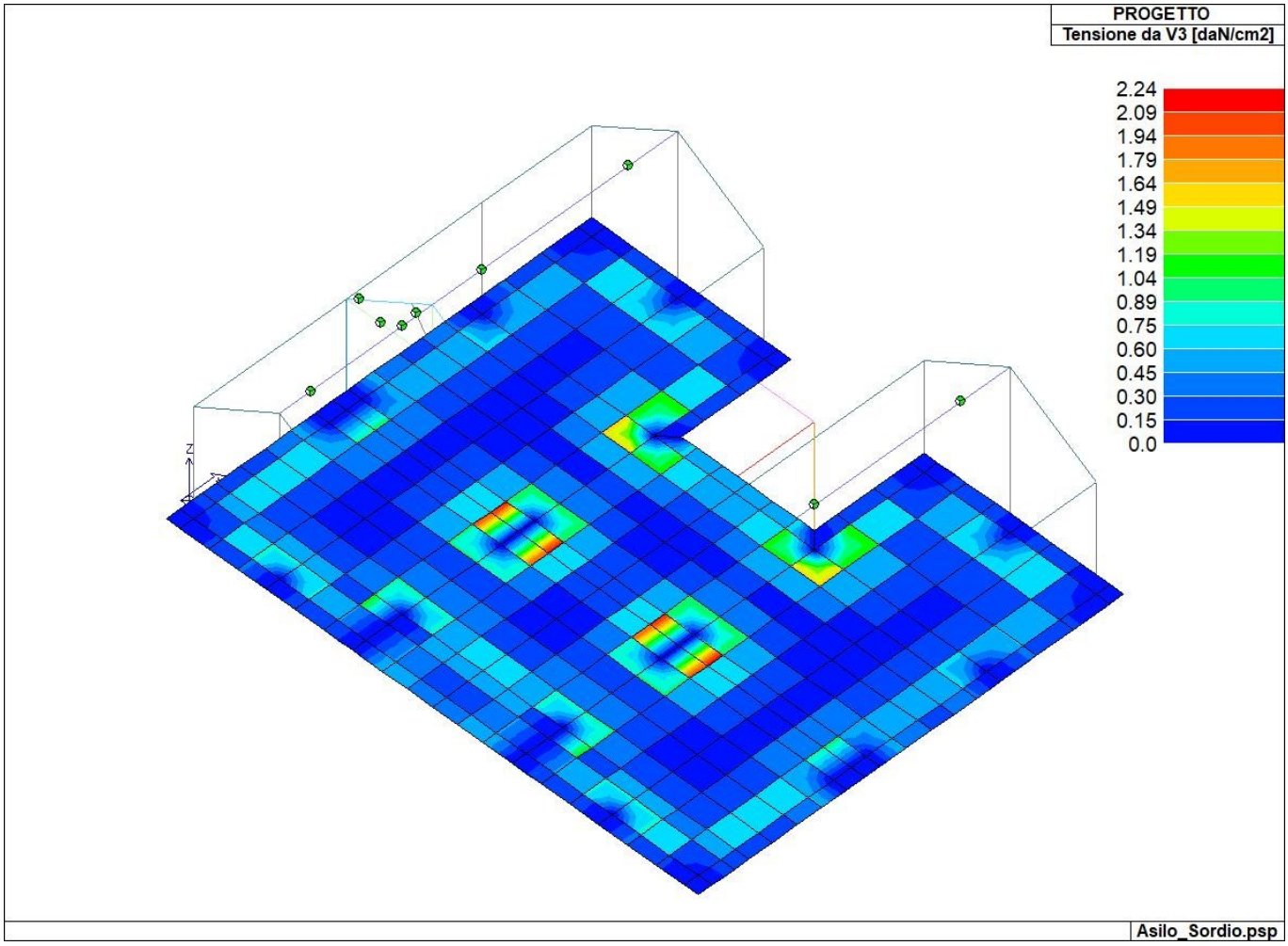
Nodo	Stato	V 6.50	V 6.53	Beta	f. a fon	f. Uout	Aw tot cm2	Asw,min cm2	n. x serie	n.ser 0(R)	n.ser 90	Rif. cmb
104	ok	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0	0	0	1
106	ok	0.07	0.07	1.04	2.00	0.0	0.0	0.0	0	0	0	7
110	ok	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0	0	0	1
112	ok	0.03	0.06	1.05	2.00	0.0	0.0	0.0	0	0	0	7
114	ok	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0	0	0	1
116	ok	0.19	0.13	2.17	2.00	0.0	0.0	0.0	0	0	0	100
120	ok	0.29	0.11	1.01	2.00	0.0	0.0	0.0	0	0	0	3
122	ok	0.11	0.10	1.46	2.00	0.0	0.0	0.0	0	0	0	91
124	ok	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0	0	0	1
126	ok	0.01	0.05	1.07	2.00	0.0	0.0	0.0	0	0	0	7
140	ok	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0	0	0	1
141	ok	0.07	0.07	1.04	2.00	0.0	0.0	0.0	0	0	0	7
143	ok	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0	0	0	1
144	ok	0.03	0.06	1.05	2.00	0.0	0.0	0.0	0	0	0	7
145	ok	0.01	0.05	1.07	2.00	0.0	0.0	0.0	0	0	0	7
146	ok	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0	0	0	1
147	ok	0.19	0.13	2.17	2.00	0.0	0.0	0.0	0	0	0	94
149	ok	0.29	0.11	1.01	2.00	0.0	0.0	0.0	0	0	0	3
150	ok	0.11	0.10	1.46	2.00	0.0	0.0	0.0	0	0	0	85
151	ok	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0	0	0	1
167	ok	0.02	0.05	1.14	2.00	0.0	0.0	0.0	0	0	0	7
170	ok	0.02	0.05	1.14	2.00	0.0	0.0	0.0	0	0	0	7



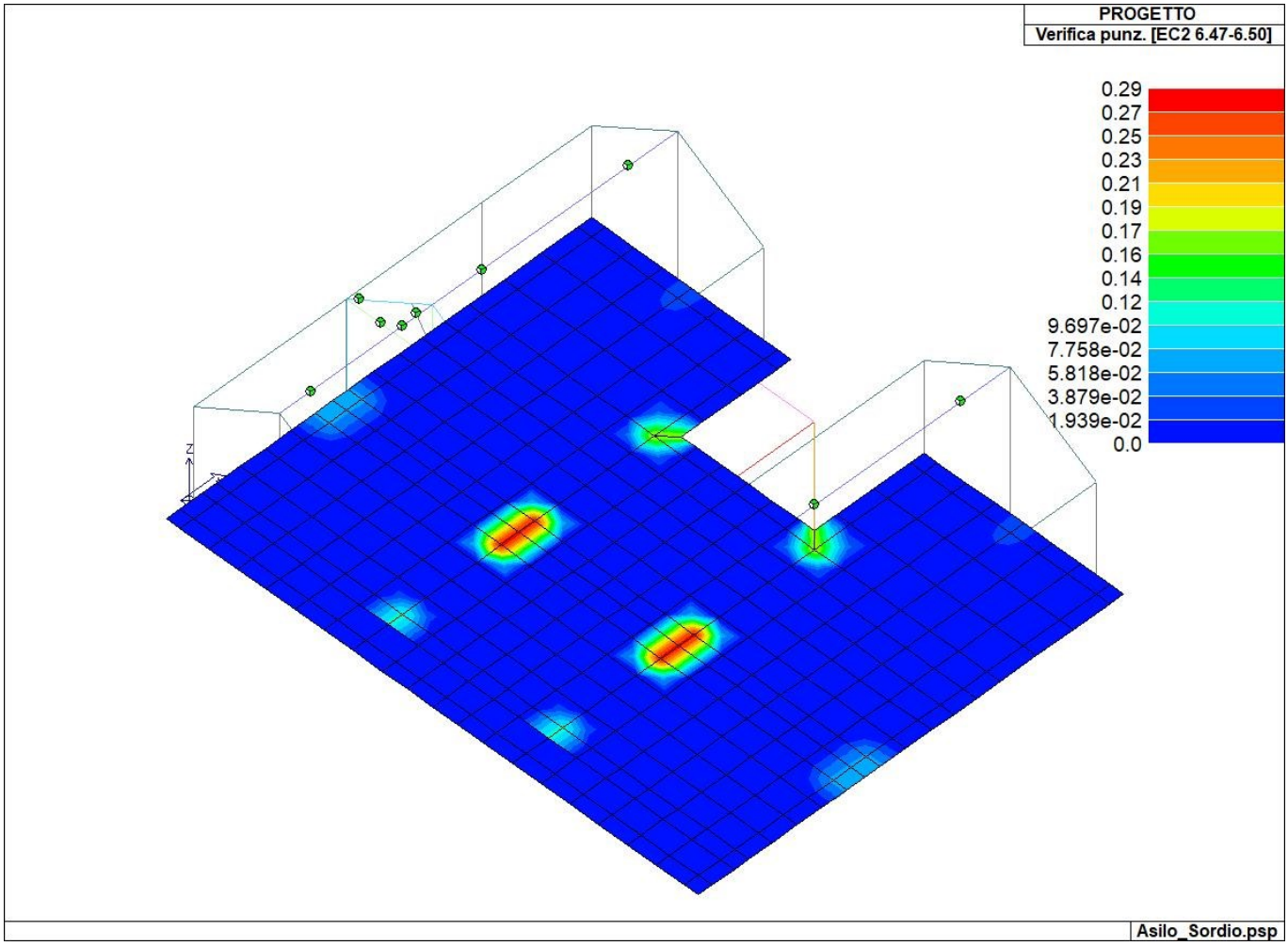
72_CA_D3_01_Stato progetto



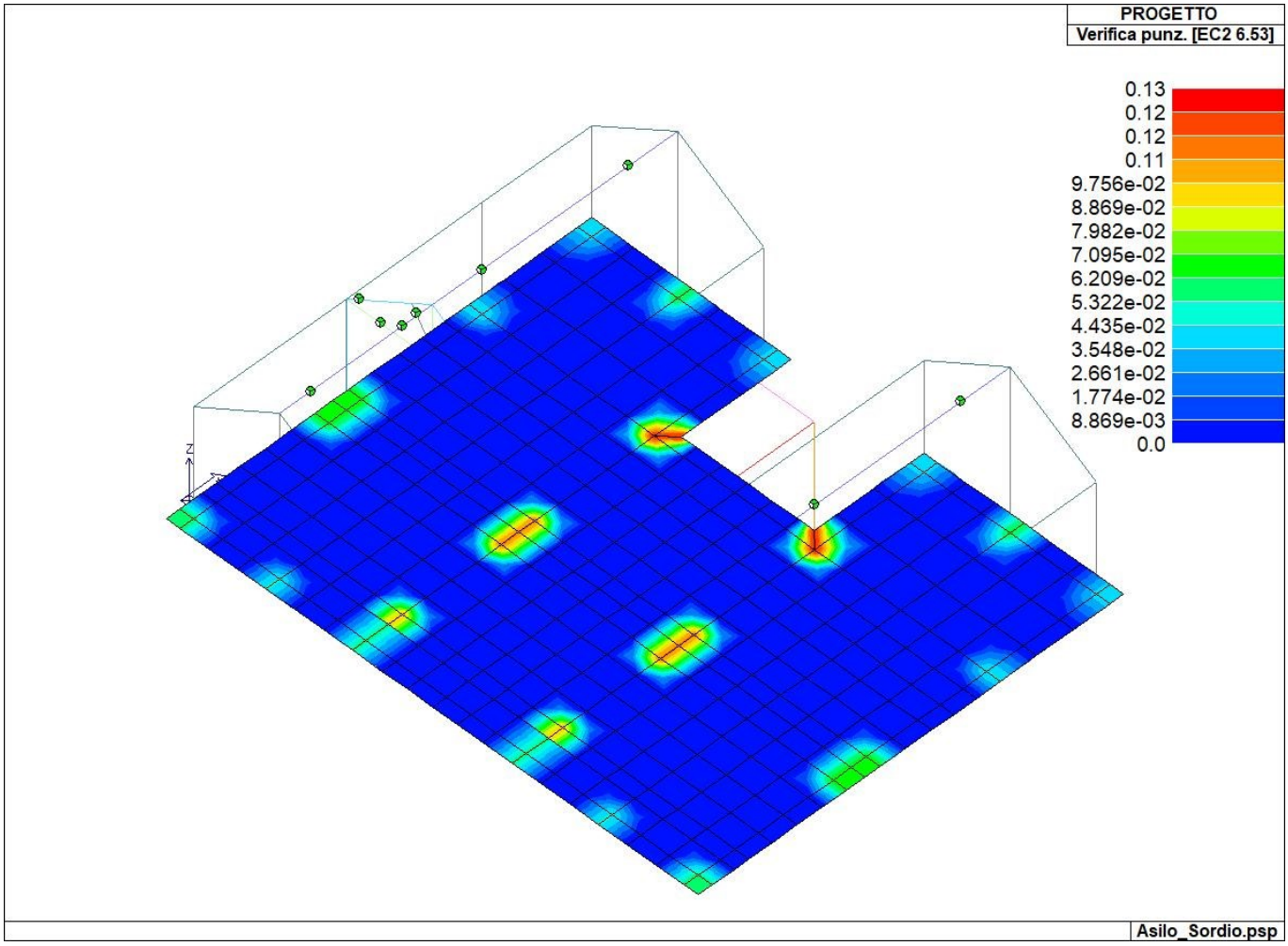
72_CA_D3_02_Verifica NM



72_CA_D3_05_Tensione da V3



72_CA_D3_08_Verifica punz EC2 647-650



72_CA_D3_09_Verifica punz EC2 653

2.3 STATI LIMITE D' ESERCIZIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.

In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare	[*normalizzato a 1*]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare	[*normalizzato a 1*]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti	[*normalizzato a 1*]
wR	apertura caratteristica delle fessure in combinazioni rare	[*mm*]
wF	apertura caratteristica delle fessure in combinazioni frequenti	[*mm*]

wP	apertura caratteristica delle fessure in combinazioni quasi permanenti	[*mm*]
dR	massima deformazione in combinazioni rare	
dF	massima deformazione in combinazioni frequenti	
dP	massima deformazione in combinazioni quasi permanenti	

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato.

In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastri	rRfck	rRfyk	rPfck	per sezioni significative
travi	rRfck	rRfyk	rPfck	per sezioni significative
	wR	wF	wP	per sezioni significative
	dR	dF	dP	massimi in campata
setti e gusci	rRfck	rRfyk	rPfck	massimi nei nodi dell'elemento
	wR	wF	wP	massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1	0.04	0.18	0.05	69,49,84	0.0	0.0	0.0	0,0,0
2	0.05	0.14	0.06	50,50,84	0.0	0.0	0.0	0,0,0
3	0.05	0.12	0.06	49,69,83	0.0	0.0	0.0	0,0,0
4	0.05	0.13	0.07	49,49,83	0.0	0.0	0.0	0,0,0
5	0.04	0.19	0.05	49,49,83	0.0	0.0	0.0	0,0,0
6	0.05	0.10	0.07	49,49,83	0.0	0.0	0.0	0,0,0
7	0.04	0.21	0.04	50,50,84	0.0	0.0	0.0	0,0,0
8	0.03	0.07	0.04	50,50,84	0.0	0.0	0.0	0,0,0
9	0.04	0.11	0.05	50,61,84	0.0	0.0	0.0	0,0,0
10	0.06	0.13	0.07	49,49,83	0.0	0.0	0.0	0,0,0
11	0.05	0.13	0.07	49,61,83	0.0	0.0	0.0	0,0,0
12	0.03	0.08	0.04	50,50,84	0.0	0.0	0.0	0,0,0
13	0.03	0.08	0.04	61,50,84	0.0	0.0	0.0	0,0,0
14	0.03	0.10	0.04	50,50,84	0.0	0.0	0.0	0,0,0
15	0.04	0.22	0.04	50,50,84	0.0	0.0	0.0	0,0,0
16	0.04	0.09	0.05	50,50,84	0.0	0.0	0.0	0,0,0
17	0.05	0.10	0.06	50,50,84	0.0	0.0	0.0	0,0,0
18	0.05	0.11	0.06	49,49,83	0.0	0.0	0.0	0,0,0
19	0.05	0.12	0.06	49,49,83	0.0	0.0	0.0	0,0,0
20	0.03	0.19	0.04	53,49,84	0.0	0.0	0.0	0,0,0
21	0.03	0.11	0.04	53,49,84	0.0	0.0	0.0	0,0,0
22	0.04	0.08	0.05	53,53,84	0.0	0.0	0.0	0,0,0
23	0.04	0.19	0.05	49,49,83	0.0	0.0	0.0	0,0,0
24	0.05	0.10	0.07	49,49,83	0.0	0.0	0.0	0,0,0
25	0.04	0.21	0.04	50,50,84	0.0	0.0	0.0	0,0,0
26	0.03	0.07	0.04	50,50,84	0.0	0.0	0.0	0,0,0
27	0.04	0.11	0.05	50,57,84	0.0	0.0	0.0	0,0,0
28	0.06	0.13	0.07	49,49,83	0.0	0.0	0.0	0,0,0
29	0.05	0.13	0.07	49,57,83	0.0	0.0	0.0	0,0,0
30	0.03	0.08	0.04	50,50,84	0.0	0.0	0.0	0,0,0
31	0.03	0.08	0.04	57,50,84	0.0	0.0	0.0	0,0,0
32	0.03	0.10	0.04	50,50,84	0.0	0.0	0.0	0,0,0
33	0.04	0.22	0.04	50,50,84	0.0	0.0	0.0	0,0,0
34	0.04	0.09	0.05	50,50,84	0.0	0.0	0.0	0,0,0
35	0.05	0.10	0.06	50,50,84	0.0	0.0	0.0	0,0,0
36	0.05	0.11	0.06	49,49,83	0.0	0.0	0.0	0,0,0
37	0.05	0.12	0.06	49,49,83	0.0	0.0	0.0	0,0,0
38	0.03	0.19	0.04	53,49,84	0.0	0.0	0.0	0,0,0
39	0.03	0.11	0.04	53,49,84	0.0	0.0	0.0	0,0,0
40	0.04	0.08	0.05	53,53,84	0.0	0.0	0.0	0,0,0
41	0.10	0.19	0.12	49,49,83	0.0	0.0	0.0	0,0,0
42	0.09	0.18	0.11	49,49,83	0.0	0.0	0.0	0,0,0

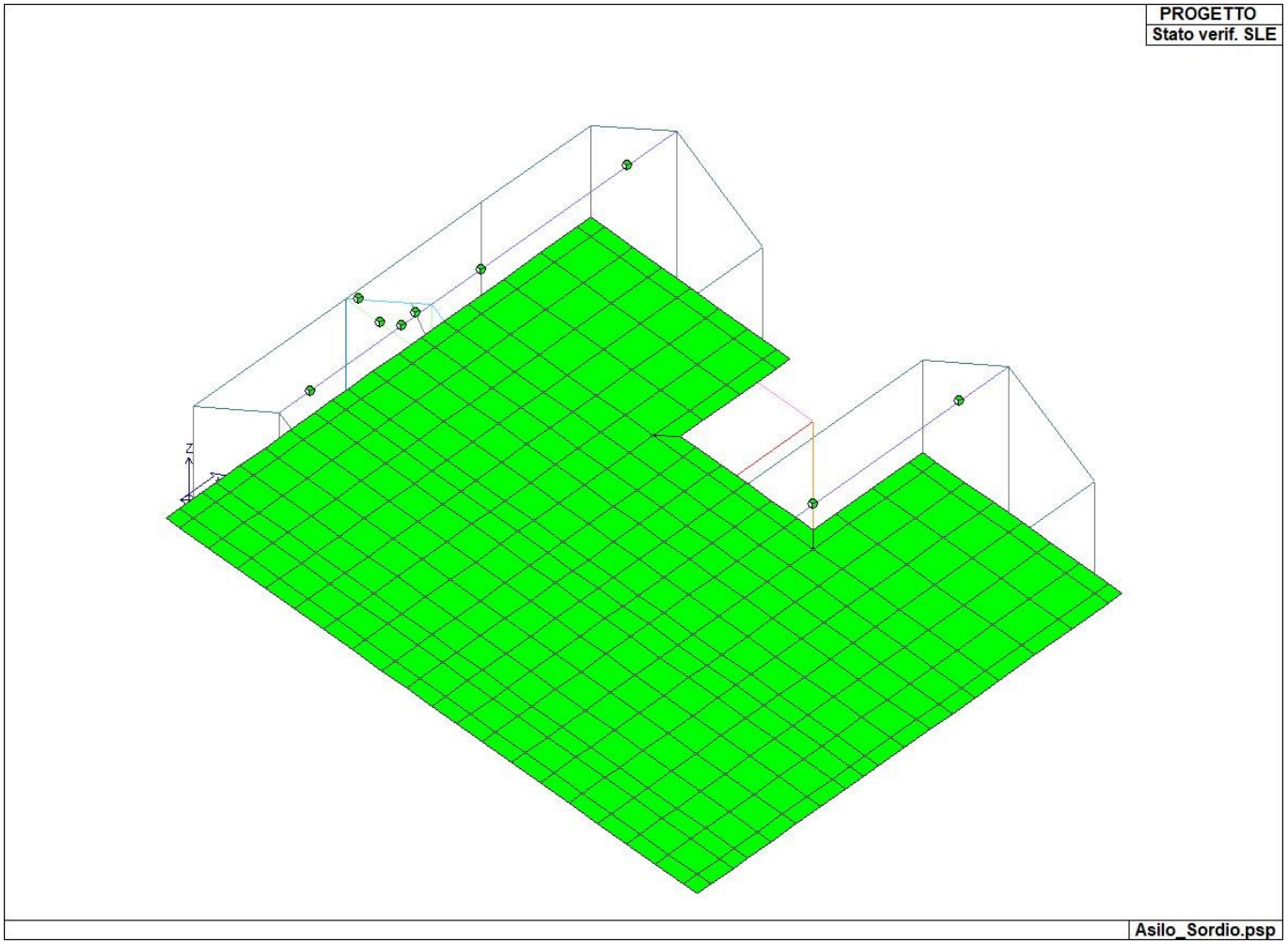
43	0.03	0.12	0.04	53,49,84	0.0	0.0	0.0	0,0,0
44	0.10	0.22	0.11	68,49,83	0.0	0.0	0.0	0,0,0
45	0.10	0.24	0.11	68,49,83	0.0	0.0	0.0	0,0,0
46	0.08	0.17	0.10	49,49,83	0.0	0.0	0.0	0,0,0
47	0.19	0.50	0.23	49,49,83	0.0	0.0	0.0	0,0,0
48	0.06	0.20	0.08	50,65,84	0.0	0.0	0.0	0,0,0
49	0.06	0.15	0.07	49,49,83	0.0	0.0	0.0	0,0,0
50	0.07	0.15	0.09	49,49,83	0.0	0.0	0.0	0,0,0
51	0.09	0.24	0.10	60,58,83	0.0	0.0	0.0	0,0,0
52	0.25	0.44	0.26	49,50,83	0.06	0.0	0.0	49,0,0
53	0.25	0.45	0.26	49,50,83	0.06	0.0	0.0	49,0,0
54	0.09	0.23	0.10	49,49,83	0.0	0.0	0.0	0,0,0
55	0.09	0.24	0.10	49,49,83	0.0	0.0	0.0	0,0,0
56	0.05	0.14	0.06	49,49,83	0.0	0.0	0.0	0,0,0
57	0.09	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
58	0.09	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
59	0.08	0.21	0.09	49,49,83	0.0	0.0	0.0	0,0,0
60	0.08	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
61	0.09	0.23	0.08	60,60,83	0.0	0.0	0.0	0,0,0
62	0.18	0.27	0.22	50,50,84	0.0	0.0	0.0	0,0,0
63	0.15	0.29	0.18	50,50,84	0.0	0.0	0.0	0,0,0
64	0.09	0.22	0.11	49,49,83	0.0	0.0	0.0	0,0,0
65	0.09	0.22	0.11	49,49,83	0.0	0.0	0.0	0,0,0
66	0.10	0.19	0.12	49,49,83	0.0	0.0	0.0	0,0,0
67	0.08	0.17	0.10	49,49,83	0.0	0.0	0.0	0,0,0
68	0.09	0.24	0.10	56,54,83	0.0	0.0	0.0	0,0,0
69	0.05	0.14	0.06	49,49,83	0.0	0.0	0.0	0,0,0
70	0.09	0.23	0.08	56,56,83	0.0	0.0	0.0	0,0,0
71	0.09	0.25	0.11	49,49,83	0.0	0.0	0.0	0,0,0
72	0.07	0.15	0.09	49,49,83	0.0	0.0	0.0	0,0,0
73	0.09	0.24	0.11	49,49,83	0.0	0.0	0.0	0,0,0
74	0.08	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
75	0.09	0.22	0.11	49,49,83	0.0	0.0	0.0	0,0,0
76	0.10	0.22	0.11	68,49,83	0.0	0.0	0.0	0,0,0
77	0.06	0.15	0.07	49,49,83	0.0	0.0	0.0	0,0,0
78	0.09	0.23	0.10	49,49,83	0.0	0.0	0.0	0,0,0
79	0.08	0.21	0.09	49,49,83	0.0	0.0	0.0	0,0,0
80	0.09	0.22	0.11	49,49,83	0.0	0.0	0.0	0,0,0
81	0.08	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
82	0.05	0.18	0.06	49,49,83	0.0	0.0	0.0	0,0,0
83	0.08	0.20	0.09	49,50,83	0.0	0.0	0.0	0,0,0
84	0.06	0.17	0.08	49,50,83	0.0	0.0	0.0	0,0,0
85	0.08	0.20	0.10	49,49,83	0.0	0.0	0.0	0,0,0
86	0.03	0.12	0.04	53,49,84	0.0	0.0	0.0	0,0,0
87	0.06	0.20	0.08	50,65,84	0.0	0.0	0.0	0,0,0
88	0.25	0.45	0.26	49,50,83	0.06	0.0	0.0	49,0,0
89	0.09	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
90	0.15	0.29	0.18	50,50,84	0.0	0.0	0.0	0,0,0
91	0.04	0.18	0.05	49,68,83	0.0	0.0	0.0	0,0,0
92	0.07	0.19	0.09	65,65,84	0.0	0.0	0.0	0,0,0
93	0.07	0.18	0.07	49,49,83	0.0	0.0	0.0	0,0,0
94	0.08	0.21	0.10	49,49,83	0.0	0.0	0.0	0,0,0
95	0.09	0.21	0.11	69,69,84	0.0	0.0	0.0	0,0,0
96	0.05	0.13	0.07	49,49,83	0.0	0.0	0.0	0,0,0
97	0.07	0.19	0.10	65,65,84	0.0	0.0	0.0	0,0,0
98	0.07	0.18	0.08	50,50,84	0.0	0.0	0.0	0,0,0
99	0.07	0.18	0.09	50,49,84	0.0	0.0	0.0	0,0,0
100	0.06	0.14	0.07	69,69,84	0.0	0.0	0.0	0,0,0
101	0.04	0.12	0.05	50,50,84	0.0	0.0	0.0	0,0,0
102	0.07	0.19	0.10	65,65,84	0.0	0.0	0.0	0,0,0
103	0.07	0.18	0.08	50,50,84	0.0	0.0	0.0	0,0,0
104	0.07	0.18	0.09	50,49,84	0.0	0.0	0.0	0,0,0
105	0.06	0.14	0.07	69,69,84	0.0	0.0	0.0	0,0,0
106	0.05	0.20	0.06	69,69,84	0.0	0.0	0.0	0,0,0
107	0.07	0.19	0.09	65,65,84	0.0	0.0	0.0	0,0,0
108	0.07	0.18	0.07	49,49,83	0.0	0.0	0.0	0,0,0
109	0.08	0.21	0.10	49,49,83	0.0	0.0	0.0	0,0,0
110	0.09	0.21	0.11	69,69,84	0.0	0.0	0.0	0,0,0
111	0.09	0.18	0.11	49,49,83	0.0	0.0	0.0	0,0,0
112	0.19	0.50	0.23	49,49,83	0.0	0.0	0.0	0,0,0
113	0.25	0.44	0.26	49,50,83	0.06	0.0	0.0	49,0,0
114	0.09	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
115	0.18	0.27	0.22	50,50,84	0.0	0.0	0.0	0,0,0
116	0.08	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
117	0.05	0.18	0.06	49,49,83	0.0	0.0	0.0	0,0,0
118	0.08	0.20	0.09	49,50,83	0.0	0.0	0.0	0,0,0
119	0.06	0.17	0.08	49,50,83	0.0	0.0	0.0	0,0,0
120	0.08	0.20	0.10	49,49,83	0.0	0.0	0.0	0,0,0

121	0.10	0.24	0.11	68,49,83	0.0	0.0	0.0	0,0,0
122	0.07	0.15	0.09	49,49,83	0.0	0.0	0.0	0,0,0
123	0.09	0.24	0.10	49,49,83	0.0	0.0	0.0	0,0,0
124	0.08	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
125	0.09	0.22	0.11	49,49,83	0.0	0.0	0.0	0,0,0
126	0.09	0.25	0.11	49,49,83	0.0	0.0	0.0	0,0,0
127	0.07	0.15	0.09	49,49,83	0.0	0.0	0.0	0,0,0
128	0.09	0.24	0.11	49,49,83	0.0	0.0	0.0	0,0,0
129	0.08	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
130	0.09	0.22	0.11	49,49,83	0.0	0.0	0.0	0,0,0
131	0.08	0.19	0.10	49,49,83	0.0	0.0	0.0	0,0,0
132	0.11	0.27	0.14	49,49,83	0.0	0.0	0.0	0,0,0
133	0.04	0.10	0.05	49,50,83	0.0	0.0	0.0	0,0,0
134	0.08	0.19	0.10	49,49,83	0.0	0.0	0.0	0,0,0
135	0.09	0.21	0.11	49,49,83	0.0	0.0	0.0	0,0,0
136	0.08	0.19	0.10	49,49,83	0.0	0.0	0.0	0,0,0
137	0.09	0.19	0.11	49,49,83	0.0	0.0	0.0	0,0,0
138	0.08	0.19	0.10	49,49,83	0.0	0.0	0.0	0,0,0
139	0.08	0.18	0.09	49,49,83	0.0	0.0	0.0	0,0,0
140	0.04	0.10	0.05	49,50,83	0.0	0.0	0.0	0,0,0
141	0.05	0.14	0.06	50,50,84	0.0	0.0	0.0	0,0,0
142	0.05	0.20	0.06	69,69,84	0.0	0.0	0.0	0,0,0
143	0.03	0.08	0.04	69,69,84	0.0	0.0	0.0	0,0,0
144	0.04	0.12	0.05	50,50,84	0.0	0.0	0.0	0,0,0
145	0.11	0.27	0.14	49,49,83	0.0	0.0	0.0	0,0,0
146	0.08	0.18	0.09	49,49,83	0.0	0.0	0.0	0,0,0
147	0.09	0.21	0.11	49,49,83	0.0	0.0	0.0	0,0,0
148	0.09	0.19	0.11	49,49,83	0.0	0.0	0.0	0,0,0
149	0.08	0.20	0.08	60,60,83	0.0	0.0	0.0	0,0,0
150	0.18	0.24	0.22	50,50,84	0.0	0.0	0.0	0,0,0
151	0.04	0.18	0.05	69,49,84	0.0	0.0	0.0	0,0,0
152	0.09	0.22	0.11	49,49,83	0.0	0.0	0.0	0,0,0
153	0.09	0.22	0.11	49,49,83	0.0	0.0	0.0	0,0,0
154	0.08	0.20	0.08	56,56,83	0.0	0.0	0.0	0,0,0
155	0.09	0.21	0.11	49,49,83	0.0	0.0	0.0	0,0,0
156	0.09	0.22	0.11	49,49,83	0.0	0.0	0.0	0,0,0
157	0.08	0.19	0.09	49,49,83	0.0	0.0	0.0	0,0,0
158	0.04	0.18	0.05	49,68,83	0.0	0.0	0.0	0,0,0
159	0.04	0.16	0.06	61,50,84	0.0	0.0	0.0	0,0,0
160	0.03	0.10	0.04	61,51,84	0.0	0.0	0.0	0,0,0
161	0.03	0.10	0.04	57,51,84	0.0	0.0	0.0	0,0,0
162	0.03	0.48	0.04	55,50,84	0.0	0.0	0.0	0,0,0
163	0.18	0.24	0.22	50,50,84	0.0	0.0	0.0	0,0,0
164	0.08	0.19	0.09	49,49,83	0.0	0.0	0.0	0,0,0
165	0.09	0.22	0.11	49,49,83	0.0	0.0	0.0	0,0,0
166	0.09	0.21	0.11	49,49,83	0.0	0.0	0.0	0,0,0
167	0.05	0.13	0.06	49,49,83	0.0	0.0	0.0	0,0,0
168	0.08	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
169	0.08	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
170	0.08	0.20	0.09	49,49,83	0.0	0.0	0.0	0,0,0
171	0.08	0.21	0.10	49,49,83	0.0	0.0	0.0	0,0,0
172	0.05	0.13	0.06	49,49,83	0.0	0.0	0.0	0,0,0
173	0.08	0.21	0.10	49,49,83	0.0	0.0	0.0	0,0,0
174	0.08	0.20	0.09	49,49,83	0.0	0.0	0.0	0,0,0
175	0.07	0.18	0.08	49,49,83	0.0	0.0	0.0	0,0,0
176	0.08	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
177	0.08	0.21	0.10	49,49,83	0.0	0.0	0.0	0,0,0
178	0.07	0.19	0.09	50,49,84	0.0	0.0	0.0	0,0,0
179	0.07	0.19	0.09	50,49,84	0.0	0.0	0.0	0,0,0
180	0.08	0.21	0.10	49,49,83	0.0	0.0	0.0	0,0,0
181	0.08	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
182	0.07	0.18	0.08	49,49,83	0.0	0.0	0.0	0,0,0
183	0.08	0.21	0.10	49,49,83	0.0	0.0	0.0	0,0,0
184	0.08	0.21	0.10	49,49,83	0.0	0.0	0.0	0,0,0
185	0.06	0.14	0.06	61,61,83	0.0	0.0	0.0	0,0,0
186	0.10	0.23	0.12	50,49,84	0.0	0.0	0.0	0,0,0
187	0.08	0.21	0.09	49,49,83	0.0	0.0	0.0	0,0,0
188	0.09	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
189	0.09	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
190	0.06	0.14	0.06	57,57,83	0.0	0.0	0.0	0,0,0
191	0.09	0.21	0.10	49,49,83	0.0	0.0	0.0	0,0,0
192	0.09	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
193	0.07	0.19	0.09	49,49,83	0.0	0.0	0.0	0,0,0
194	0.08	0.21	0.09	49,49,83	0.0	0.0	0.0	0,0,0
195	0.07	0.18	0.08	49,49,83	0.0	0.0	0.0	0,0,0
196	0.07	0.17	0.08	49,49,83	0.0	0.0	0.0	0,0,0
197	0.07	0.17	0.08	49,49,83	0.0	0.0	0.0	0,0,0
198	0.07	0.18	0.08	49,49,83	0.0	0.0	0.0	0,0,0

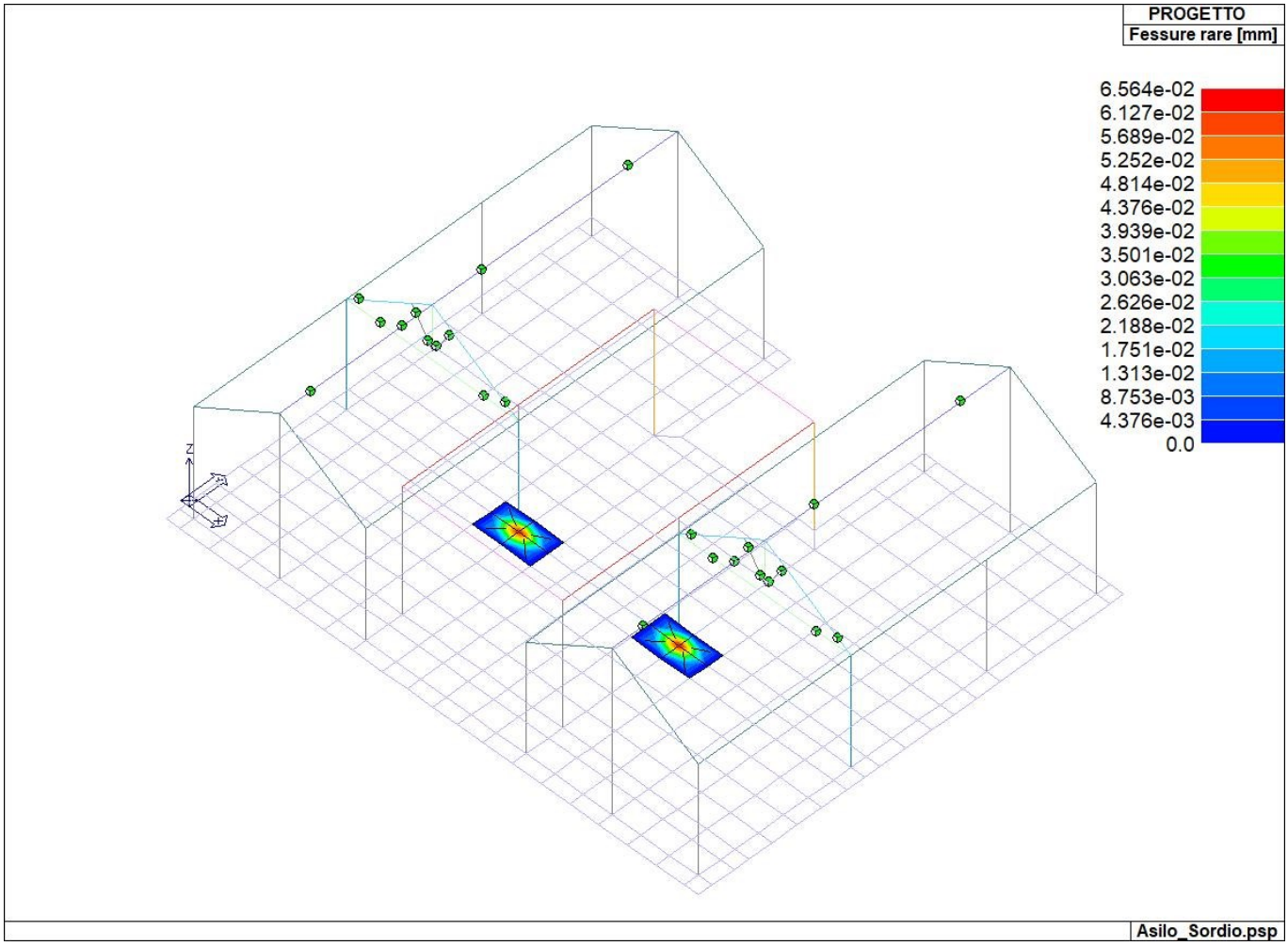
199	0.10	0.23	0.12	50,49,84	0.0	0.0	0.0	0,0,0
200	0.07	0.19	0.09	49,49,83	0.0	0.0	0.0	0,0,0
201	0.09	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
202	0.09	0.21	0.10	49,49,83	0.0	0.0	0.0	0,0,0
203	0.06	0.16	0.07	60,49,83	0.0	0.0	0.0	0,0,0
204	0.19	0.49	0.21	49,50,83	0.0	0.0	0.0	0,0,0
205	0.19	0.49	0.20	50,50,84	0.0	0.0	0.0	0,0,0
206	0.08	0.23	0.09	49,49,83	0.0	0.0	0.0	0,0,0
207	0.09	0.23	0.10	49,49,83	0.0	0.0	0.0	0,0,0
208	0.06	0.16	0.07	56,49,83	0.0	0.0	0.0	0,0,0
209	0.09	0.24	0.10	49,49,83	0.0	0.0	0.0	0,0,0
210	0.09	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
211	0.07	0.17	0.07	50,50,83	0.0	0.0	0.0	0,0,0
212	0.19	0.49	0.20	50,50,84	0.0	0.0	0.0	0,0,0
213	0.06	0.16	0.07	50,50,84	0.0	0.0	0.0	0,0,0
214	0.07	0.18	0.08	50,50,84	0.0	0.0	0.0	0,0,0
215	0.07	0.18	0.08	50,50,84	0.0	0.0	0.0	0,0,0
216	0.06	0.16	0.07	50,50,84	0.0	0.0	0.0	0,0,0
217	0.19	0.49	0.21	49,50,83	0.0	0.0	0.0	0,0,0
218	0.07	0.17	0.07	50,50,83	0.0	0.0	0.0	0,0,0
219	0.09	0.23	0.10	49,49,83	0.0	0.0	0.0	0,0,0
220	0.09	0.24	0.10	49,49,83	0.0	0.0	0.0	0,0,0
221	0.09	0.26	0.10	60,60,83	0.0	0.0	0.0	0,0,0
222	0.25	0.52	0.27	50,50,84	0.07	0.06	0.0	50,73,0
223	0.25	0.52	0.27	50,50,84	0.07	0.0	0.0	50,0,0
224	0.09	0.23	0.10	49,49,83	0.0	0.0	0.0	0,0,0
225	0.09	0.24	0.10	49,49,83	0.0	0.0	0.0	0,0,0
226	0.09	0.26	0.10	56,56,83	0.0	0.0	0.0	0,0,0
227	0.09	0.25	0.11	49,49,83	0.0	0.0	0.0	0,0,0
228	0.09	0.23	0.10	49,49,83	0.0	0.0	0.0	0,0,0
229	0.09	0.21	0.09	50,50,84	0.0	0.0	0.0	0,0,0
230	0.25	0.52	0.27	50,50,84	0.07	0.0	0.0	50,0,0
231	0.08	0.19	0.08	50,50,84	0.0	0.0	0.0	0,0,0
232	0.07	0.18	0.08	50,50,84	0.0	0.0	0.0	0,0,0
233	0.07	0.18	0.08	50,50,84	0.0	0.0	0.0	0,0,0
234	0.08	0.19	0.08	50,50,84	0.0	0.0	0.0	0,0,0
235	0.25	0.52	0.27	50,50,84	0.07	0.06	0.0	50,73,0
236	0.09	0.21	0.09	50,50,84	0.0	0.0	0.0	0,0,0
237	0.09	0.24	0.10	49,49,83	0.0	0.0	0.0	0,0,0
238	0.09	0.25	0.11	49,49,83	0.0	0.0	0.0	0,0,0
239	0.06	0.16	0.07	60,60,83	0.0	0.0	0.0	0,0,0
240	0.17	0.43	0.18	49,50,83	0.0	0.0	0.0	0,0,0
241	0.17	0.43	0.18	49,50,83	0.0	0.0	0.0	0,0,0
242	0.09	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
243	0.09	0.23	0.10	49,49,83	0.0	0.0	0.0	0,0,0
244	0.06	0.16	0.07	56,56,83	0.0	0.0	0.0	0,0,0
245	0.09	0.23	0.10	49,49,83	0.0	0.0	0.0	0,0,0
246	0.09	0.22	0.10	49,49,83	0.0	0.0	0.0	0,0,0
247	0.07	0.17	0.08	49,49,83	0.0	0.0	0.0	0,0,0
248	0.17	0.43	0.18	49,50,83	0.0	0.0	0.0	0,0,0
249	0.06	0.16	0.08	49,49,83	0.0	0.0	0.0	0,0,0
250	0.07	0.17	0.07	50,50,84	0.0	0.0	0.0	0,0,0
251	0.07	0.17	0.07	50,50,84	0.0	0.0	0.0	0,0,0
252	0.06	0.16	0.08	49,49,83	0.0	0.0	0.0	0,0,0
253	0.17	0.43	0.18	49,50,83	0.0	0.0	0.0	0,0,0
254	0.07	0.17	0.08	49,49,83	0.0	0.0	0.0	0,0,0
255	0.09	0.23	0.10	49,49,83	0.0	0.0	0.0	0,0,0
256	0.09	0.23	0.10	49,49,83	0.0	0.0	0.0	0,0,0
257	0.06	0.15	0.07	49,49,83	0.0	0.0	0.0	0,0,0
258	0.08	0.21	0.09	49,49,83	0.0	0.0	0.0	0,0,0
259	0.08	0.21	0.09	49,49,83	0.0	0.0	0.0	0,0,0
260	0.08	0.20	0.10	49,49,83	0.0	0.0	0.0	0,0,0
261	0.09	0.21	0.10	49,49,83	0.0	0.0	0.0	0,0,0
262	0.06	0.15	0.07	49,49,83	0.0	0.0	0.0	0,0,0
263	0.09	0.21	0.10	49,49,83	0.0	0.0	0.0	0,0,0
264	0.08	0.20	0.10	49,49,83	0.0	0.0	0.0	0,0,0
265	0.07	0.19	0.09	49,49,83	0.0	0.0	0.0	0,0,0
266	0.08	0.21	0.09	49,49,83	0.0	0.0	0.0	0,0,0
267	0.07	0.18	0.08	49,49,83	0.0	0.0	0.0	0,0,0
268	0.06	0.14	0.07	49,49,83	0.0	0.0	0.0	0,0,0
269	0.06	0.14	0.07	49,49,83	0.0	0.0	0.0	0,0,0
270	0.07	0.18	0.08	49,49,83	0.0	0.0	0.0	0,0,0
271	0.08	0.21	0.09	49,49,83	0.0	0.0	0.0	0,0,0
272	0.07	0.19	0.09	49,49,83	0.0	0.0	0.0	0,0,0
273	0.09	0.21	0.10	49,49,83	0.0	0.0	0.0	0,0,0
274	0.09	0.21	0.10	49,49,83	0.0	0.0	0.0	0,0,0
275	0.07	0.16	0.09	49,49,83	0.0	0.0	0.0	0,0,0
276	0.08	0.23	0.10	49,49,83	0.0	0.0	0.0	0,0,0

277	0.08	0.21	0.09	49,49,83	0.0	0.0	0.0	0,0,0
278	0.08	0.18	0.09	49,49,83	0.0	0.0	0.0	0,0,0
279	0.08	0.20	0.10	49,49,83	0.0	0.0	0.0	0,0,0
280	0.07	0.16	0.09	49,49,83	0.0	0.0	0.0	0,0,0
281	0.08	0.20	0.10	49,49,83	0.0	0.0	0.0	0,0,0
282	0.08	0.18	0.09	49,49,83	0.0	0.0	0.0	0,0,0
283	0.07	0.19	0.09	49,49,83	0.0	0.0	0.0	0,0,0
284	0.08	0.21	0.09	49,49,83	0.0	0.0	0.0	0,0,0
285	0.07	0.18	0.08	49,49,83	0.0	0.0	0.0	0,0,0
286	0.06	0.14	0.07	49,49,83	0.0	0.0	0.0	0,0,0
287	0.06	0.14	0.07	49,49,83	0.0	0.0	0.0	0,0,0
288	0.07	0.18	0.08	49,49,83	0.0	0.0	0.0	0,0,0
289	0.08	0.23	0.10	49,49,83	0.0	0.0	0.0	0,0,0
290	0.07	0.19	0.09	49,49,83	0.0	0.0	0.0	0,0,0
291	0.08	0.20	0.10	49,49,83	0.0	0.0	0.0	0,0,0
292	0.08	0.20	0.10	49,49,83	0.0	0.0	0.0	0,0,0
293	0.08	0.17	0.10	49,49,83	0.0	0.0	0.0	0,0,0
294	0.20	0.63	0.24	65,65,84	0.0	0.0	0.0	0,0,0
295	0.19	0.50	0.22	65,65,84	0.0	0.0	0.0	0,0,0
296	0.07	0.16	0.08	49,49,83	0.0	0.0	0.0	0,0,0
297	0.08	0.18	0.10	49,49,83	0.0	0.0	0.0	0,0,0
298	0.08	0.17	0.10	49,49,83	0.0	0.0	0.0	0,0,0
299	0.08	0.19	0.10	49,49,83	0.0	0.0	0.0	0,0,0
300	0.07	0.16	0.08	49,49,83	0.0	0.0	0.0	0,0,0
301	0.06	0.16	0.07	49,49,83	0.0	0.0	0.0	0,0,0
302	0.19	0.50	0.22	65,65,84	0.0	0.0	0.0	0,0,0
303	0.08	0.21	0.09	65,65,84	0.0	0.0	0.0	0,0,0
304	0.08	0.20	0.09	65,65,84	0.0	0.0	0.0	0,0,0
305	0.08	0.20	0.09	65,65,84	0.0	0.0	0.0	0,0,0
306	0.08	0.21	0.09	65,65,84	0.0	0.0	0.0	0,0,0
307	0.20	0.63	0.24	65,65,84	0.0	0.0	0.0	0,0,0
308	0.06	0.16	0.07	49,49,83	0.0	0.0	0.0	0,0,0
309	0.08	0.18	0.10	49,49,83	0.0	0.0	0.0	0,0,0
310	0.08	0.19	0.10	49,49,83	0.0	0.0	0.0	0,0,0
311	0.10	0.17	0.12	49,49,83	0.0	0.0	0.0	0,0,0
312	0.10	0.28	0.13	49,50,83	0.0	0.0	0.0	0,0,0
313	0.03	0.16	0.04	49,69,83	0.0	0.0	0.0	0,0,0
314	0.10	0.22	0.11	64,49,83	0.0	0.0	0.0	0,0,0
315	0.10	0.24	0.11	64,49,83	0.0	0.0	0.0	0,0,0
316	0.10	0.17	0.12	49,49,83	0.0	0.0	0.0	0,0,0
317	0.09	0.26	0.10	49,49,83	0.0	0.0	0.0	0,0,0
318	0.10	0.22	0.11	64,49,83	0.0	0.0	0.0	0,0,0
319	0.08	0.22	0.10	64,49,83	0.0	0.0	0.0	0,0,0
320	0.03	0.16	0.04	49,69,83	0.0	0.0	0.0	0,0,0
321	0.02	0.07	0.03	53,69,84	0.0	0.0	0.0	0,0,0
322	0.03	0.07	0.03	53,65,84	0.0	0.0	0.0	0,0,0
323	0.03	0.07	0.03	53,65,84	0.0	0.0	0.0	0,0,0
324	0.02	0.07	0.03	53,69,84	0.0	0.0	0.0	0,0,0
325	0.10	0.28	0.13	49,50,83	0.0	0.0	0.0	0,0,0
326	0.08	0.22	0.10	64,49,83	0.0	0.0	0.0	0,0,0
327	0.10	0.24	0.11	64,49,83	0.0	0.0	0.0	0,0,0
328	0.09	0.26	0.10	49,49,83	0.0	0.0	0.0	0,0,0
329	0.04	0.18	0.04	49,49,83	0.0	0.0	0.0	0,0,0
330	0.04	0.14	0.04	53,49,84	0.0	0.0	0.0	0,0,0
331	0.05	0.12	0.06	61,61,84	0.0	0.0	0.0	0,0,0
332	0.05	0.12	0.06	50,50,84	0.0	0.0	0.0	0,0,0
333	0.05	0.12	0.06	49,65,83	0.0	0.0	0.0	0,0,0
334	0.04	0.18	0.04	49,49,83	0.0	0.0	0.0	0,0,0
335	0.05	0.11	0.07	49,49,83	0.0	0.0	0.0	0,0,0
336	0.05	0.12	0.06	50,50,84	0.0	0.0	0.0	0,0,0
337	0.05	0.10	0.06	50,50,84	0.0	0.0	0.0	0,0,0
338	0.05	0.12	0.06	57,57,84	0.0	0.0	0.0	0,0,0
339	0.02	0.05	0.03	53,53,84	0.0	0.0	0.0	0,0,0
340	0.02	0.05	0.03	53,53,84	0.0	0.0	0.0	0,0,0
341	0.03	0.08	0.04	69,69,84	0.0	0.0	0.0	0,0,0
342	0.05	0.12	0.06	49,69,83	0.0	0.0	0.0	0,0,0
343	0.04	0.14	0.04	53,49,84	0.0	0.0	0.0	0,0,0
344	0.05	0.10	0.06	50,50,84	0.0	0.0	0.0	0,0,0
345	0.05	0.12	0.06	49,65,83	0.0	0.0	0.0	0,0,0
346	0.05	0.11	0.07	49,49,83	0.0	0.0	0.0	0,0,0
347	0.04	0.16	0.06	57,50,84	0.0	0.0	0.0	0,0,0
348	0.04	0.43	0.04	56,50,83	0.0	0.0	0.0	0,0,0
349	0.04	0.43	0.04	60,50,83	0.0	0.0	0.0	0,0,0
350	0.04	0.48	0.04	59,50,84	0.0	0.0	0.0	0,0,0

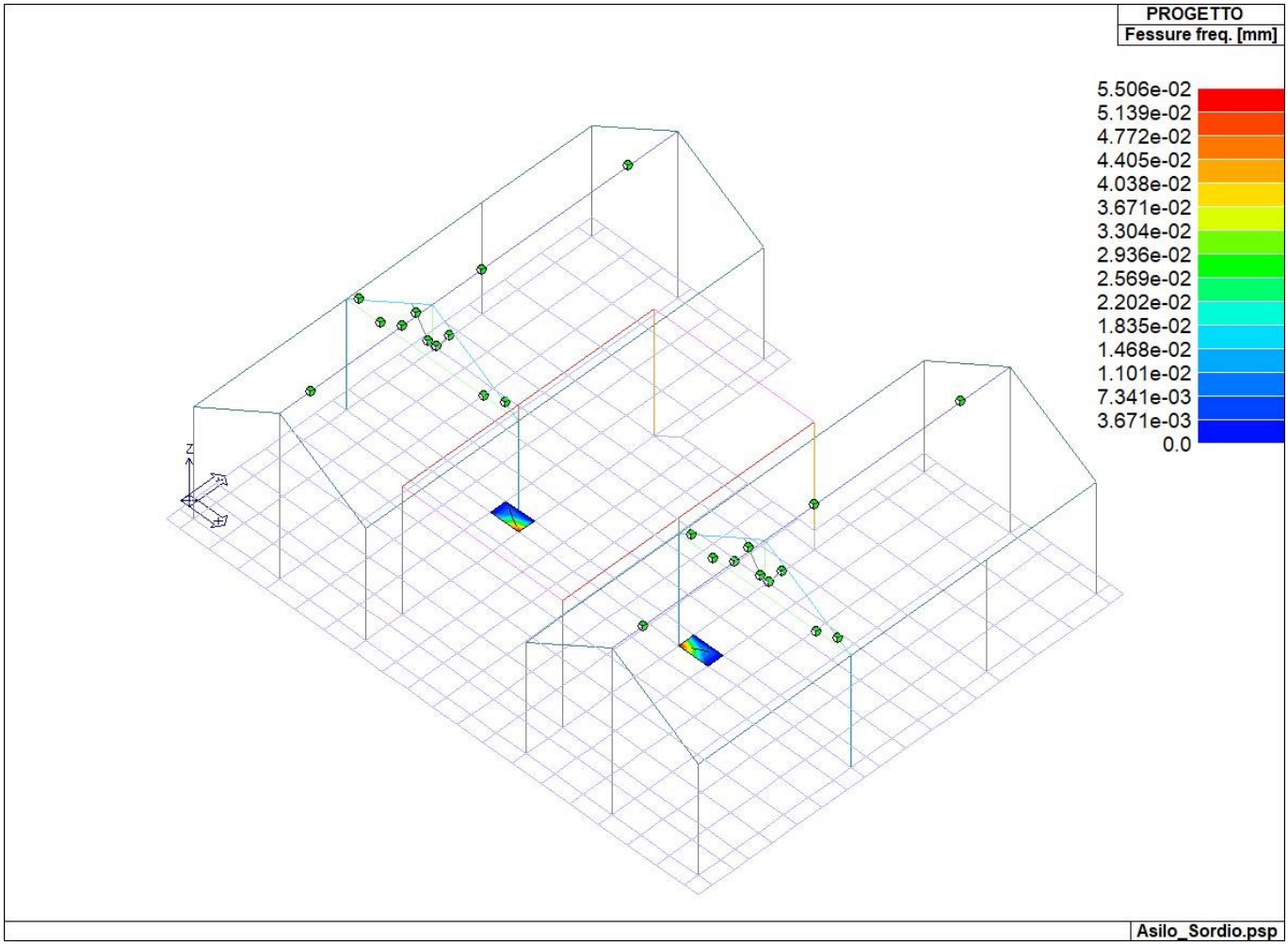
Guscio	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.25	0.63	0.27		0.07	0.06	0.0	



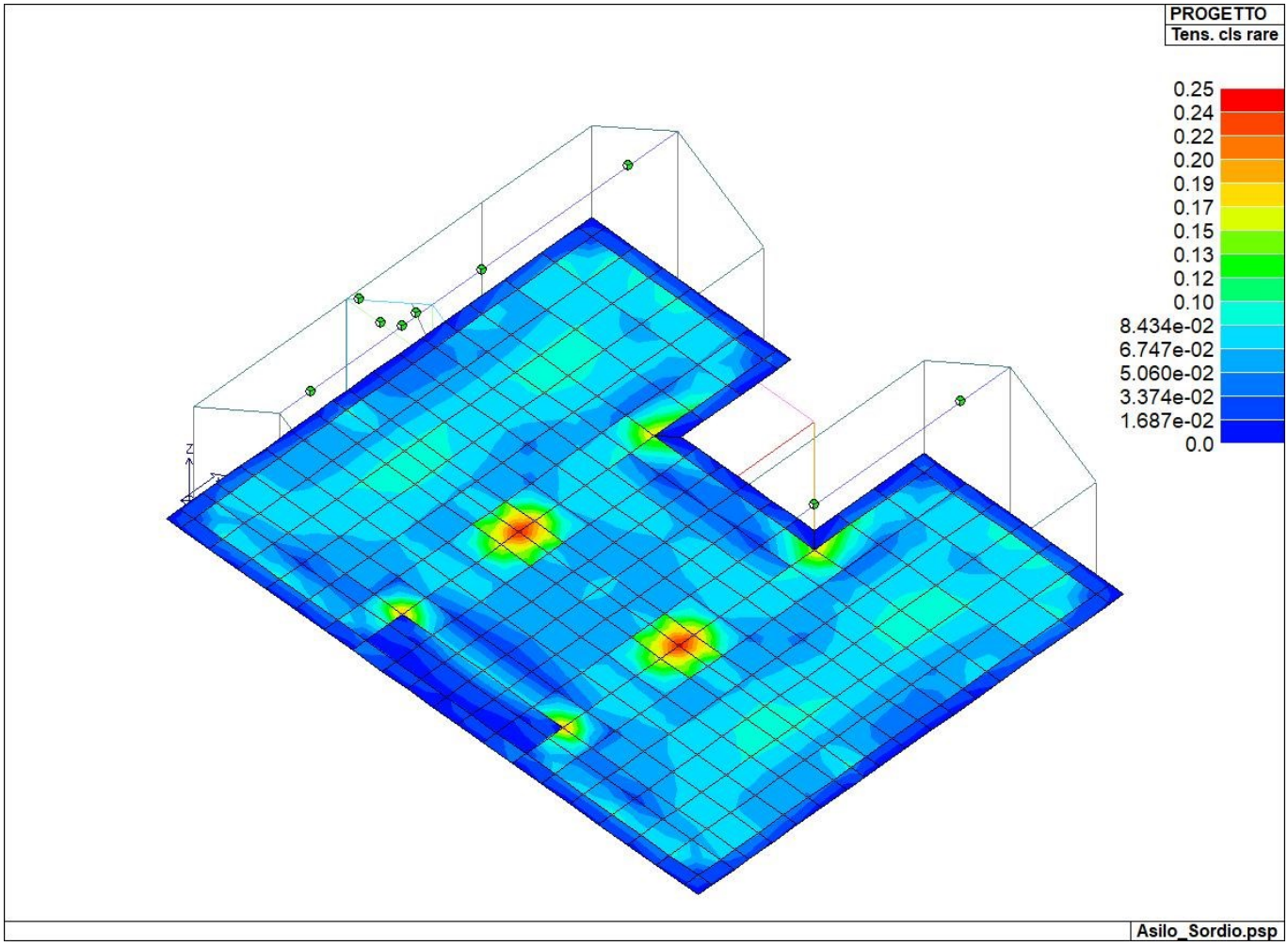
72_CA_D3_17_Stato verif SLE



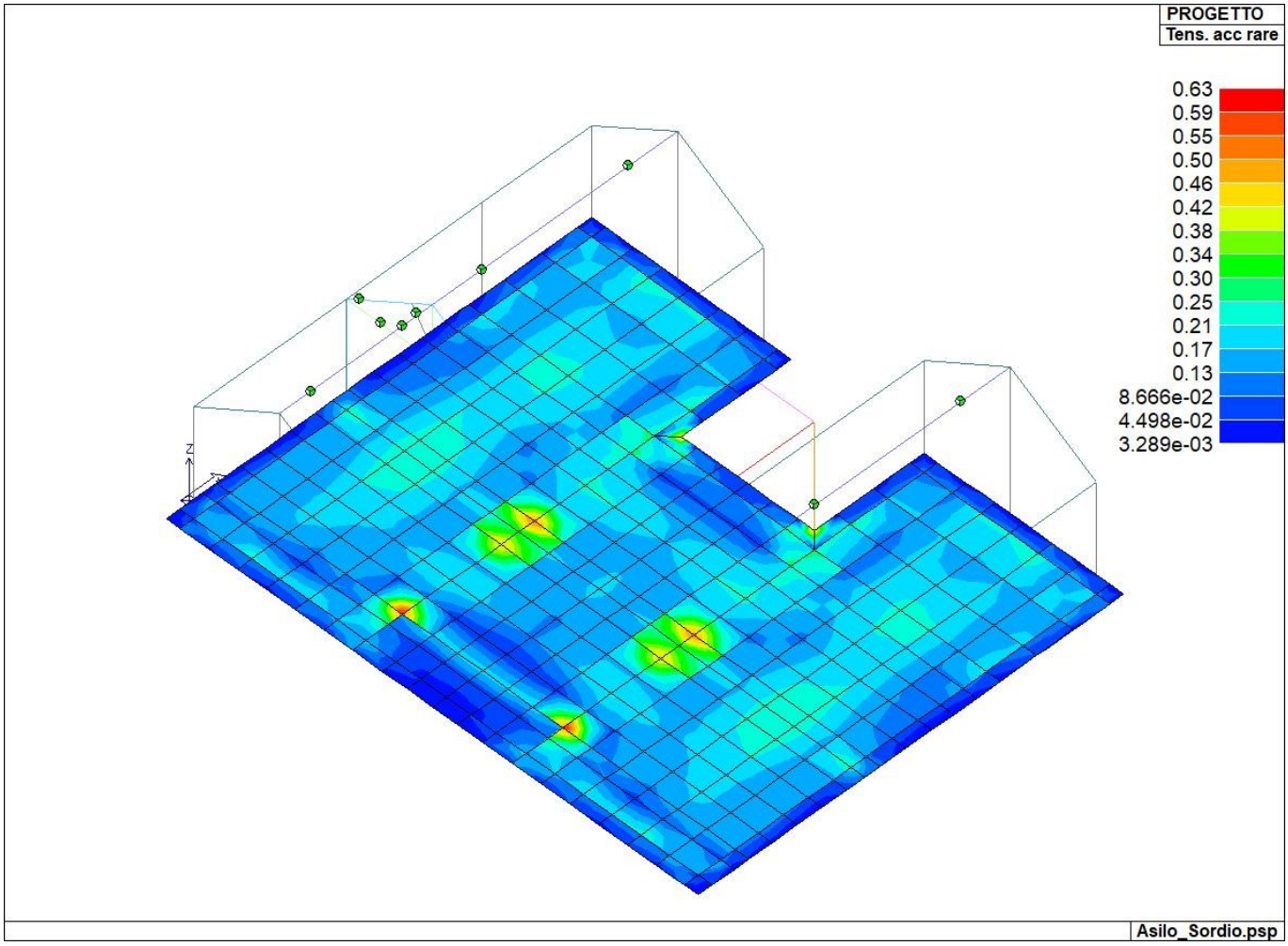
72_CA_D3_18_Fessure rare



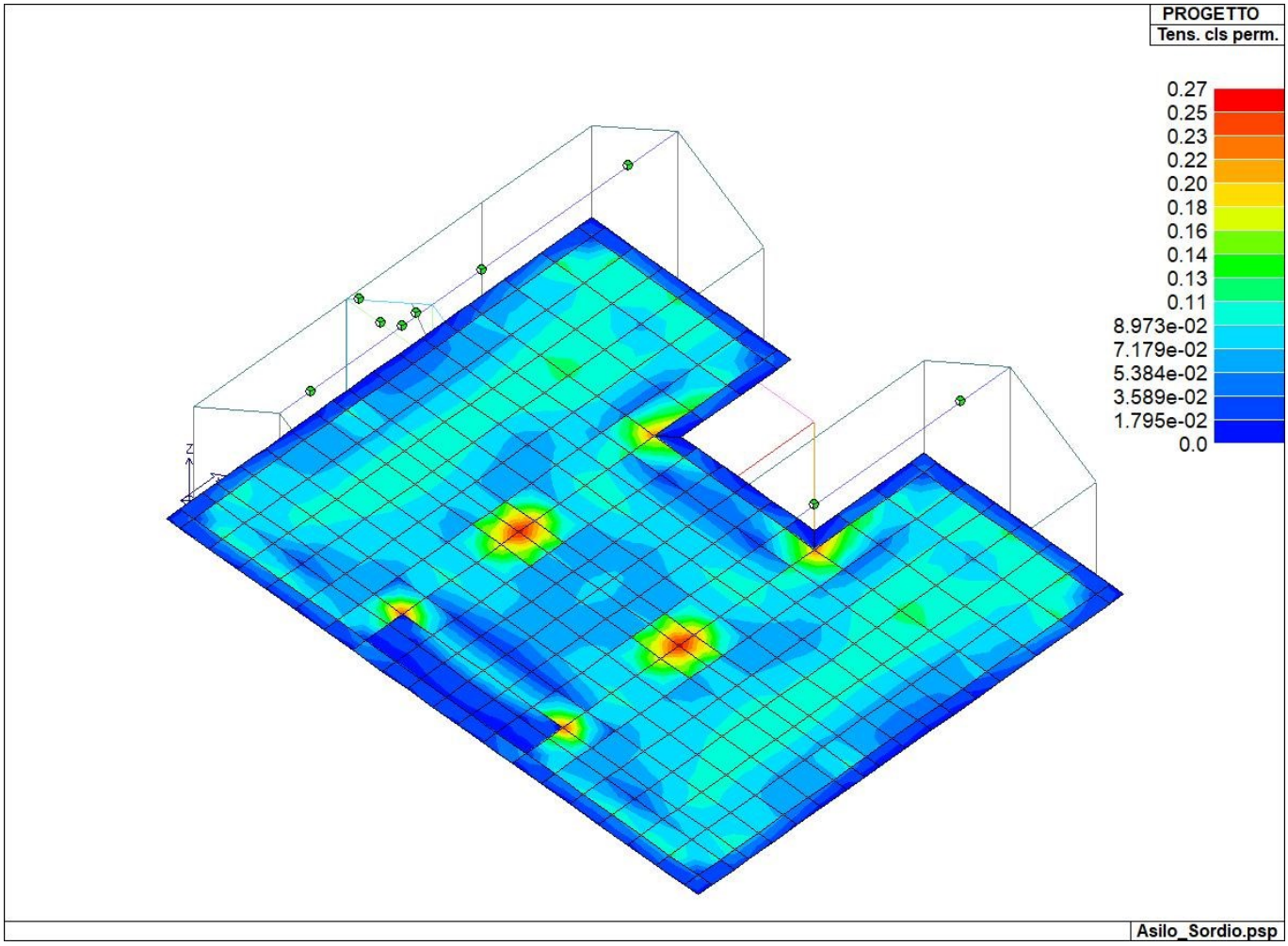
72_CA_D3_19_Fessure freq



72_CA_D3_21_Tens cls rare



72_CA_D3_22_Tens acc rare



72_CA_D3_23_Tens cls perm

2.4 STATO LIMITE D' ESERCIZIO: SLD DANNO SISMICO

Le verifiche RES per SLD sono effettuate in accordo alle Norme Tecniche 17 Gennaio 2018 e alla circolare n.7 del 21 gennaio 2019 nonché alle linee guida del Consiglio Superiore LL.PP. “Linee guida per la Progettazione, l’Esecuzione ed il Collaudo di Interventi di Rinforzo di strutture di c.a., c.a.p. e murarie mediante FRP”.

Le verifiche RES per SLD, sono riportate nelle successive tabelle nella forma di rapporto “domanda” su “capacità” e hanno esito positivo quando il rapporto è non superiore al valore unitario.

La “domanda” è ottenuta direttamente dall’analisi per le previste combinazioni SLD (NTC18 2.5.3. COMBINAZIONI DELLE AZIONI formula [2.5.5]).

Per “capacità” si intende qui il valore della sollecitazione corrispondente al raggiungimento dello stato limite di danno per la sezione: per la resistenza flessionale questo stato limite si identifica con la tensione di snervamento dell’acciaio o la resistenza massima a compressione per il calcestruzzo e la muratura. Lo stato limite di danno si ritiene attinto anche in caso di superamento della resistenza a taglio.

Le resistenze flessionali sono valutate utilizzando i legami costitutivi del materiale limitati al solo tratto elastico, ottenendo così resistenze sostanzialmente elastiche come previsto dalla norma.

La seguente tabella identifica per quali configurazioni (materiale nuovo, esistente, con rinforzi e metodo di analisi) sono state condotte le verifiche di seguito riportate.

Configurazione	Verifica SLD	NOTE
1) c.a. nuovo e esist. Verifica SLU con q>1	Verifica N/M SE Verifica V/T	Sono verifiche per struttura non dissipativa condotte secondo il cap.4 NTC18 in regime sostanzialmente elastico; si verificano travi,pilastri, setti e gusci.
2) Muratura nuova Verifica SLU con q>1	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap.7
3) Muratura esis. AO Verifica SLU con q>1	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap. 7 e 8
4) Muratura esis. PO Verifica SLU con q>1	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap. 7 e 8; Anche per rinforzi FRP è prevista verifica N/M SE e V

Per le verifiche agli SLD di pilastri, travi setti e gusci in *c.a*. è presente una tabella con i simboli di seguito descritti:

Pilas./Trave/ Setto/Guscio	numero identificativo dell'elemento D2 o D3
Stato	Codici relativi all'esito delle verifiche effettuate appresso descritte
Pos.	Posizione nell'elemento della sezione per la quale si riporta la verifica
V N/M	Verifica a pressoflessione con rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd lato cls: valore minore o uguale a 1 per verifica positiva
V V/T acc	Verifica a taglio/torsione con rapporto Ved/Vrd lato acciaio: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il pilastro

TABELLA VERIFICHE ELEMENTI D3 GUSCI C.A.

Guscio	Stato	Nodo	V N/M	V V/T cls	V V/T acc	Rif. cmb	Nodo	V N/M	V V/T cls	V V/T acc	Rif. cmb
1	ok	50	0.16	0.0	0.0	124,0,0	57	0.06	0.0	0.0	144,0,0
		185	0.20	0.0	0.0	121,0,0	151	0.15	0.0	0.0	146,0,0
2	ok	57	0.06	0.0	0.0	136,0,0	58	0.08	0.0	0.0	140,0,0
		186	0.12	0.0	0.0	133,0,0	185	0.14	0.0	0.0	141,0,0
3	ok	49	0.07	0.0	0.0	119,0,0	55	0.10	0.0	0.0	124,0,0
		183	0.12	0.0	0.0	120,0,0	145	0.13	0.0	0.0	138,0,0
4	ok	55	0.10	0.0	0.0	119,0,0	56	0.07	0.0	0.0	124,0,0
		184	0.14	0.0	0.0	124,0,0	183	0.12	0.0	0.0	124,0,0
5	ok	190	0.17	0.0	0.0	123,0,0	71	0.03	0.0	0.0	128,0,0
		67	0.10	0.0	0.0	128,0,0	143	0.09	0.0	0.0	138,0,0
6	ok	192	0.11	0.0	0.0	120,0,0	72	0.03	0.0	0.0	136,0,0
		68	0.05	0.0	0.0	118,0,0	159	0.09	0.0	0.0	136,0,0
7	ok	208	0.20	0.0	0.0	120,0,0	80	0.09	0.0	0.0	119,0,0
		65	0.19	0.0	0.0	118,0,0	141	0.30	0.0	0.0	118,0,0
8	ok	196	0.09	0.0	0.0	119,0,0	74	0.08	0.0	0.0	119,0,0
		66	0.05	0.0	0.0	117,0,0	142	0.07	0.0	0.0	119,0,0
9	ok	200	0.12	0.0	0.0	131,0,0	76	0.04	0.0	0.0	139,0,0
		69	0.07	0.0	0.0	127,0,0	167	0.12	0.0	0.0	126,0,0
10	ok	189	0.11	0.0	0.0	127,0,0	70	0.07	0.0	0.0	126,0,0

		71	0.04	0.0	0.0	141,0,0	190	0.12	0.0	0.0	141,0,0
11	ok	167	0.13	0.0	0.0	126,0,0	69	0.05	0.0	0.0	126,0,0
		70	0.08	0.0	0.0	148,0,0	189	0.12	0.0	0.0	122,0,0
12	ok	142	0.07	0.0	0.0	120,0,0	66	0.03	0.0	0.0	119,0,0
		75	0.03	0.0	0.0	121,0,0	199	0.07	0.0	0.0	127,0,0
13	ok	199	0.08	0.0	0.0	120,0,0	75	9.21e-03	0.0	0.0	126,0,0
		76	0.05	0.0	0.0	131,0,0	200	0.10	0.0	0.0	127,0,0
14	ok	195	0.14	0.0	0.0	139,0,0	73	0.14	0.0	0.0	137,0,0
		74	0.08	0.0	0.0	117,0,0	196	0.11	0.0	0.0	119,0,0
15	ok	141	0.33	0.0	0.0	137,0,0	65	0.19	0.0	0.0	117,0,0
		73	0.10	0.0	0.0	120,0,0	195	0.24	0.0	0.0	127,0,0
16	ok	207	0.10	0.0	0.0	118,0,0	79	0.07	0.0	0.0	118,0,0
		80	0.10	0.0	0.0	120,0,0	208	0.11	0.0	0.0	120,0,0
17	ok	206	0.10	0.0	0.0	126,0,0	78	0.05	0.0	0.0	118,0,0
		79	0.05	0.0	0.0	118,0,0	207	0.09	0.0	0.0	125,0,0
18	ok	205	0.11	0.0	0.0	138,0,0	77	0.04	0.0	0.0	126,0,0
		78	0.01	0.0	0.0	117,0,0	206	0.09	0.0	0.0	129,0,0
19	ok	159	0.10	0.0	0.0	138,0,0	68	0.04	0.0	0.0	138,0,0
		77	0.02	0.0	0.0	126,0,0	205	0.11	0.0	0.0	126,0,0
20	ok	140	0.08	0.0	0.0	133,0,0	64	0.06	0.0	0.0	120,0,0
		72	0.02	0.0	0.0	136,0,0	192	0.18	0.0	0.0	120,0,0
21	ok	143	0.10	0.0	0.0	131,0,0	67	0.04	0.0	0.0	147,0,0
		81	0.05	0.0	0.0	128,0,0	29	0.02	0.0	0.0	148,0,0
22	ok	48	0.04	0.0	0.0	136,0,0	82	0.06	0.0	0.0	120,0,0
		64	0.03	0.0	0.0	117,0,0	140	0.12	0.0	0.0	117,0,0
23	ok	90	0.03	0.0	0.0	130,0,0	188	0.17	0.0	0.0	117,0,0
		110	0.09	0.0	0.0	148,0,0	86	0.10	0.0	0.0	130,0,0
24	ok	91	0.03	0.0	0.0	142,0,0	191	0.11	0.0	0.0	122,0,0
		162	0.09	0.0	0.0	142,0,0	87	0.05	0.0	0.0	124,0,0
25	ok	99	0.09	0.0	0.0	121,0,0	204	0.20	0.0	0.0	122,0,0
		106	0.30	0.0	0.0	124,0,0	84	0.19	0.0	0.0	124,0,0
26	ok	93	0.08	0.0	0.0	121,0,0	194	0.09	0.0	0.0	121,0,0
		108	0.07	0.0	0.0	121,0,0	85	0.05	0.0	0.0	123,0,0
27	ok	95	0.04	0.0	0.0	145,0,0	198	0.12	0.0	0.0	125,0,0
		170	0.12	0.0	0.0	132,0,0	88	0.07	0.0	0.0	129,0,0
28	ok	89	0.07	0.0	0.0	132,0,0	187	0.11	0.0	0.0	129,0,0
		188	0.12	0.0	0.0	135,0,0	90	0.04	0.0	0.0	135,0,0
29	ok	88	0.05	0.0	0.0	132,0,0	170	0.13	0.0	0.0	132,0,0
		187	0.12	0.0	0.0	120,0,0	89	0.08	0.0	0.0	138,0,0
30	ok	85	0.03	0.0	0.0	121,0,0	108	0.07	0.0	0.0	122,0,0
		197	0.07	0.0	0.0	129,0,0	94	0.03	0.0	0.0	119,0,0
31	ok	94	9.21e-03	0.0	0.0	132,0,0	197	0.08	0.0	0.0	122,0,0
		198	0.10	0.0	0.0	129,0,0	95	0.05	0.0	0.0	125,0,0
32	ok	92	0.14	0.0	0.0	147,0,0	193	0.14	0.0	0.0	145,0,0
		194	0.11	0.0	0.0	121,0,0	93	0.08	0.0	0.0	123,0,0
33	ok	84	0.19	0.0	0.0	123,0,0	106	0.33	0.0	0.0	147,0,0
		193	0.24	0.0	0.0	129,0,0	92	0.10	0.0	0.0	122,0,0
34	ok	98	0.07	0.0	0.0	124,0,0	203	0.10	0.0	0.0	124,0,0
		204	0.11	0.0	0.0	122,0,0	99	0.10	0.0	0.0	122,0,0
35	ok	97	0.05	0.0	0.0	124,0,0	202	0.10	0.0	0.0	132,0,0
		203	0.09	0.0	0.0	131,0,0	98	0.05	0.0	0.0	124,0,0
36	ok	96	0.04	0.0	0.0	132,0,0	201	0.11	0.0	0.0	148,0,0
		202	0.09	0.0	0.0	127,0,0	97	0.01	0.0	0.0	123,0,0
37	ok	87	0.04	0.0	0.0	148,0,0	162	0.10	0.0	0.0	148,0,0
		201	0.11	0.0	0.0	132,0,0	96	0.02	0.0	0.0	132,0,0
38	ok	83	0.06	0.0	0.0	122,0,0	104	0.08	0.0	0.0	143,0,0
		191	0.18	0.0	0.0	122,0,0	91	0.02	0.0	0.0	142,0,0
39	ok	86	0.04	0.0	0.0	137,0,0	110	0.10	0.0	0.0	125,0,0
		26	0.02	0.0	0.0	138,0,0	100	0.05	0.0	0.0	130,0,0
40	ok	101	0.06	0.0	0.0	122,0,0	45	0.04	0.0	0.0	142,0,0
		104	0.12	0.0	0.0	123,0,0	83	0.03	0.0	0.0	123,0,0
41	ok	271	0.16	0.0	0.0	121,0,0	190	0.16	0.0	0.0	131,0,0
		143	0.19	0.0	0.0	128,0,0	178	0.16	0.0	0.0	128,0,0
42	ok	273	0.16	0.0	0.0	132,0,0	272	0.20	0.0	0.0	128,0,0
		114	0.17	0.0	0.0	128,0,0	176	0.15	0.0	0.0	128,0,0
43	ok	275	0.03	0.0	0.0	130,0,0	274	0.13	0.0	0.0	146,0,0
		146	0.08	0.0	0.0	146,0,0	213	0.09	0.0	0.0	130,0,0
44	ok	277	0.21	0.0	0.0	125,0,0	276	0.15	0.0	0.0	139,0,0
		144	0.22	0.0	0.0	138,0,0	180	0.19	0.0	0.0	126,0,0
45	ok	279	0.19	0.0	0.0	129,0,0	278	0.16	0.0	0.0	129,0,0
		112	0.22	0.0	0.0	148,0,0	172	0.20	0.0	0.0	148,0,0
46	ok	9	0.09	0.0	0.0	120,0,0	192	0.10	0.0	0.0	120,0,0
		159	0.18	0.0	0.0	120,0,0	268	0.14	0.0	0.0	125,0,0
47	ok	11	0.21	0.0	0.0	143,0,0	10	0.25	0.0	0.0	134,0,0
		122	0.46	0.0	0.0	143,0,0	232	0.19	0.0	0.0	122,0,0
48	ok	13	0.11	0.0	0.0	133,0,0	12	0.18	0.0	0.0	124,0,0
		150	0.14	0.0	0.0	124,0,0	252	0.23	0.0	0.0	133,0,0
49	ok	15	0.10	0.0	0.0	121,0,0	14	0.09	0.0	0.0	117,0,0

		160	0.12	0.0	0.0	136,0,0	260	0.15	0.0	0.0	138,0,0
50	ok	17	0.11	0.0	0.0	122,0,0	16	0.08	0.0	0.0	132,0,0
		161	0.13	0.0	0.0	122,0,0	224	0.14	0.0	0.0	142,0,0
51	ok	373	0.31	0.0	0.0	117,0,0	208	0.27	0.0	0.0	120,0,0
		141	0.52	0.0	0.0	120,0,0	269	0.32	0.0	0.0	117,0,0
52	ok	375	0.27	0.0	0.0	135,0,0	374	0.51	0.0	0.0	134,0,0
		120	0.36	0.0	0.0	140,0,0	233	0.26	0.0	0.0	126,0,0
53	ok	377	0.29	0.0	0.0	147,0,0	376	0.52	0.0	0.0	146,0,0
		149	0.36	0.0	0.0	144,0,0	253	0.27	0.0	0.0	122,0,0
54	ok	379	0.14	0.0	0.0	133,0,0	378	0.18	0.0	0.0	117,0,0
		163	0.19	0.0	0.0	127,0,0	261	0.14	0.0	0.0	131,0,0
55	ok	381	0.21	0.0	0.0	124,0,0	380	0.20	0.0	0.0	124,0,0
		164	0.21	0.0	0.0	120,0,0	225	0.22	0.0	0.0	123,0,0
56	ok	339	0.21	0.0	0.0	118,0,0	196	0.17	0.0	0.0	119,0,0
		142	0.13	0.0	0.0	127,0,0	270	0.17	0.0	0.0	126,0,0
57	ok	341	0.12	0.0	0.0	128,0,0	340	0.17	0.0	0.0	135,0,0
		118	0.19	0.0	0.0	148,0,0	234	0.17	0.0	0.0	148,0,0
58	ok	343	0.15	0.0	0.0	136,0,0	342	0.16	0.0	0.0	147,0,0
		148	0.19	0.0	0.0	130,0,0	254	0.20	0.0	0.0	136,0,0
59	ok	345	0.12	0.0	0.0	133,0,0	344	0.18	0.0	0.0	139,0,0
		165	0.17	0.0	0.0	139,0,0	262	0.14	0.0	0.0	138,0,0
60	ok	347	0.20	0.0	0.0	123,0,0	346	0.19	0.0	0.0	123,0,0
		166	0.19	0.0	0.0	131,0,0	226	0.20	0.0	0.0	123,0,0
61	ok	322	0.18	0.0	0.0	126,0,0	200	0.18	0.0	0.0	127,0,0
		167	0.29	0.0	0.0	127,0,0	267	0.21	0.0	0.0	126,0,0
62	ok	324	0.20	0.0	0.0	132,0,0	323	0.31	0.0	0.0	129,0,0
		116	0.32	0.0	0.0	128,0,0	231	0.30	0.0	0.0	129,0,0
63	ok	326	0.10	0.0	0.0	133,0,0	325	0.30	0.0	0.0	126,0,0
		147	0.22	0.0	0.0	126,0,0	251	0.30	0.0	0.0	128,0,0
64	ok	328	0.18	0.0	0.0	133,0,0	327	0.20	0.0	0.0	145,0,0
		168	0.20	0.0	0.0	130,0,0	259	0.17	0.0	0.0	130,0,0
65	ok	330	0.20	0.0	0.0	132,0,0	329	0.21	0.0	0.0	128,0,0
		169	0.22	0.0	0.0	128,0,0	223	0.20	0.0	0.0	132,0,0
66	ok	188	0.16	0.0	0.0	125,0,0	280	0.16	0.0	0.0	119,0,0
		171	0.16	0.0	0.0	130,0,0	110	0.19	0.0	0.0	130,0,0
67	ok	191	0.10	0.0	0.0	122,0,0	18	0.09	0.0	0.0	122,0,0
		220	0.14	0.0	0.0	131,0,0	162	0.18	0.0	0.0	122,0,0
68	ok	204	0.27	0.0	0.0	122,0,0	382	0.31	0.0	0.0	123,0,0
		221	0.32	0.0	0.0	123,0,0	106	0.52	0.0	0.0	122,0,0
69	ok	194	0.17	0.0	0.0	121,0,0	348	0.21	0.0	0.0	124,0,0
		222	0.17	0.0	0.0	132,0,0	108	0.13	0.0	0.0	129,0,0
70	ok	198	0.18	0.0	0.0	129,0,0	331	0.18	0.0	0.0	132,0,0
		219	0.21	0.0	0.0	132,0,0	170	0.29	0.0	0.0	129,0,0
71	ok	280	0.14	0.0	0.0	125,0,0	279	0.17	0.0	0.0	129,0,0
		172	0.22	0.0	0.0	130,0,0	171	0.12	0.0	0.0	130,0,0
72	ok	18	0.11	0.0	0.0	148,0,0	17	0.10	0.0	0.0	142,0,0
		224	0.15	0.0	0.0	142,0,0	220	0.14	0.0	0.0	132,0,0
73	ok	382	0.22	0.0	0.0	124,0,0	381	0.27	0.0	0.0	124,0,0
		225	0.24	0.0	0.0	119,0,0	221	0.19	0.0	0.0	124,0,0
74	ok	348	0.19	0.0	0.0	123,0,0	347	0.25	0.0	0.0	123,0,0
		226	0.23	0.0	0.0	131,0,0	222	0.17	0.0	0.0	123,0,0
75	ok	331	0.18	0.0	0.0	132,0,0	330	0.23	0.0	0.0	132,0,0
		223	0.22	0.0	0.0	127,0,0	219	0.14	0.0	0.0	127,0,0
76	ok	278	0.15	0.0	0.0	145,0,0	281	0.21	0.0	0.0	131,0,0
		175	0.19	0.0	0.0	132,0,0	112	0.22	0.0	0.0	148,0,0
77	ok	16	0.09	0.0	0.0	123,0,0	19	0.10	0.0	0.0	119,0,0
		228	0.15	0.0	0.0	148,0,0	161	0.12	0.0	0.0	142,0,0
78	ok	380	0.18	0.0	0.0	123,0,0	383	0.14	0.0	0.0	143,0,0
		229	0.14	0.0	0.0	125,0,0	164	0.19	0.0	0.0	129,0,0
79	ok	346	0.18	0.0	0.0	145,0,0	349	0.12	0.0	0.0	143,0,0
		230	0.14	0.0	0.0	148,0,0	166	0.17	0.0	0.0	145,0,0
80	ok	329	0.20	0.0	0.0	139,0,0	332	0.18	0.0	0.0	143,0,0
		227	0.17	0.0	0.0	128,0,0	169	0.20	0.0	0.0	128,0,0
81	ok	281	0.19	0.0	0.0	131,0,0	273	0.14	0.0	0.0	131,0,0
		176	0.11	0.0	0.0	140,0,0	175	0.21	0.0	0.0	132,0,0
82	ok	19	0.12	0.0	0.0	139,0,0	11	0.14	0.0	0.0	143,0,0
		232	0.18	0.0	0.0	119,0,0	228	0.12	0.0	0.0	135,0,0
83	ok	383	0.17	0.0	0.0	134,0,0	375	0.15	0.0	0.0	143,0,0
		233	0.19	0.0	0.0	137,0,0	229	0.16	0.0	0.0	137,0,0
84	ok	349	0.15	0.0	0.0	129,0,0	341	0.10	0.0	0.0	128,0,0
		234	0.17	0.0	0.0	148,0,0	230	0.13	0.0	0.0	142,0,0
85	ok	332	0.17	0.0	0.0	126,0,0	324	0.18	0.0	0.0	129,0,0
		231	0.14	0.0	0.0	128,0,0	227	0.18	0.0	0.0	119,0,0
86	ok	272	0.13	0.0	0.0	140,0,0	282	0.03	0.0	0.0	128,0,0
		209	0.09	0.0	0.0	128,0,0	114	0.08	0.0	0.0	140,0,0
87	ok	10	0.18	0.0	0.0	118,0,0	20	0.11	0.0	0.0	143,0,0
		236	0.23	0.0	0.0	143,0,0	122	0.14	0.0	0.0	118,0,0
88	ok	374	0.52	0.0	0.0	140,0,0	384	0.29	0.0	0.0	137,0,0

		237	0.27	0.0	0.0	120,0,0	120	0.36	0.0	0.0	134,0,0
89	ok	340	0.16	0.0	0.0	137,0,0	350	0.15	0.0	0.0	142,0,0
		238	0.20	0.0	0.0	142,0,0	118	0.19	0.0	0.0	128,0,0
90	ok	323	0.30	0.0	0.0	132,0,0	333	0.10	0.0	0.0	143,0,0
		235	0.30	0.0	0.0	130,0,0	116	0.22	0.0	0.0	132,0,0
91	ok	45	0.13	0.0	0.0	121,0,0	51	0.06	0.0	0.0	142,0,0
		173	0.20	0.0	0.0	122,0,0	104	0.13	0.0	0.0	122,0,0
92	ok	20	0.11	0.0	0.0	143,0,0	21	0.10	0.0	0.0	143,0,0
		240	0.21	0.0	0.0	143,0,0	236	0.21	0.0	0.0	143,0,0
93	ok	384	0.17	0.0	0.0	125,0,0	385	0.15	0.0	0.0	140,0,0
		241	0.15	0.0	0.0	137,0,0	237	0.19	0.0	0.0	137,0,0
94	ok	350	0.15	0.0	0.0	122,0,0	351	0.14	0.0	0.0	129,0,0
		242	0.19	0.0	0.0	142,0,0	238	0.20	0.0	0.0	142,0,0
95	ok	333	0.11	0.0	0.0	137,0,0	334	0.10	0.0	0.0	126,0,0
		239	0.17	0.0	0.0	130,0,0	235	0.24	0.0	0.0	140,0,0
96	ok	51	0.07	0.0	0.0	118,0,0	52	0.10	0.0	0.0	121,0,0
		174	0.12	0.0	0.0	118,0,0	173	0.14	0.0	0.0	118,0,0
97	ok	21	0.10	0.0	0.0	143,0,0	22	0.10	0.0	0.0	133,0,0
		244	0.21	0.0	0.0	133,0,0	240	0.21	0.0	0.0	143,0,0
98	ok	385	0.12	0.0	0.0	119,0,0	386	0.13	0.0	0.0	122,0,0
		245	0.15	0.0	0.0	123,0,0	241	0.12	0.0	0.0	123,0,0
99	ok	351	0.15	0.0	0.0	122,0,0	352	0.14	0.0	0.0	143,0,0
		246	0.17	0.0	0.0	148,0,0	242	0.18	0.0	0.0	142,0,0
100	ok	334	0.11	0.0	0.0	129,0,0	335	0.11	0.0	0.0	126,0,0
		243	0.14	0.0	0.0	130,0,0	239	0.16	0.0	0.0	128,0,0
101	ok	47	0.06	0.0	0.0	121,0,0	53	0.09	0.0	0.0	121,0,0
		181	0.12	0.0	0.0	145,0,0	126	0.13	0.0	0.0	121,0,0
102	ok	22	0.10	0.0	0.0	143,0,0	23	0.10	0.0	0.0	133,0,0
		248	0.21	0.0	0.0	133,0,0	244	0.21	0.0	0.0	143,0,0
103	ok	386	0.13	0.0	0.0	120,0,0	387	0.12	0.0	0.0	121,0,0
		249	0.12	0.0	0.0	117,0,0	245	0.15	0.0	0.0	117,0,0
104	ok	352	0.14	0.0	0.0	133,0,0	353	0.15	0.0	0.0	120,0,0
		250	0.18	0.0	0.0	136,0,0	246	0.17	0.0	0.0	138,0,0
105	ok	335	0.11	0.0	0.0	132,0,0	336	0.11	0.0	0.0	127,0,0
		247	0.16	0.0	0.0	130,0,0	243	0.14	0.0	0.0	128,0,0
106	ok	63	0.09	0.0	0.0	120,0,0	50	0.16	0.0	0.0	124,0,0
		151	0.33	0.0	0.0	124,0,0	218	0.10	0.0	0.0	124,0,0
107	ok	23	0.10	0.0	0.0	133,0,0	13	0.11	0.0	0.0	133,0,0
		252	0.21	0.0	0.0	133,0,0	248	0.21	0.0	0.0	133,0,0
108	ok	387	0.15	0.0	0.0	146,0,0	377	0.17	0.0	0.0	131,0,0
		253	0.19	0.0	0.0	147,0,0	249	0.15	0.0	0.0	147,0,0
109	ok	353	0.14	0.0	0.0	127,0,0	343	0.15	0.0	0.0	120,0,0
		254	0.20	0.0	0.0	136,0,0	250	0.19	0.0	0.0	136,0,0
110	ok	336	0.10	0.0	0.0	132,0,0	326	0.11	0.0	0.0	147,0,0
		251	0.24	0.0	0.0	146,0,0	247	0.17	0.0	0.0	128,0,0
111	ok	274	0.20	0.0	0.0	130,0,0	286	0.16	0.0	0.0	126,0,0
		179	0.15	0.0	0.0	130,0,0	146	0.17	0.0	0.0	130,0,0
112	ok	12	0.25	0.0	0.0	144,0,0	24	0.21	0.0	0.0	133,0,0
		256	0.19	0.0	0.0	120,0,0	150	0.46	0.0	0.0	133,0,0
113	ok	376	0.51	0.0	0.0	144,0,0	388	0.27	0.0	0.0	141,0,0
		257	0.26	0.0	0.0	132,0,0	149	0.36	0.0	0.0	146,0,0
114	ok	342	0.17	0.0	0.0	141,0,0	354	0.12	0.0	0.0	130,0,0
		258	0.17	0.0	0.0	138,0,0	148	0.19	0.0	0.0	138,0,0
115	ok	325	0.31	0.0	0.0	127,0,0	337	0.20	0.0	0.0	126,0,0
		255	0.30	0.0	0.0	127,0,0	147	0.32	0.0	0.0	130,0,0
116	ok	286	0.14	0.0	0.0	125,0,0	277	0.19	0.0	0.0	125,0,0
		180	0.21	0.0	0.0	126,0,0	179	0.11	0.0	0.0	146,0,0
117	ok	24	0.14	0.0	0.0	133,0,0	15	0.12	0.0	0.0	145,0,0
		260	0.12	0.0	0.0	141,0,0	256	0.18	0.0	0.0	121,0,0
118	ok	388	0.15	0.0	0.0	133,0,0	379	0.17	0.0	0.0	144,0,0
		261	0.16	0.0	0.0	147,0,0	257	0.19	0.0	0.0	147,0,0
119	ok	354	0.10	0.0	0.0	130,0,0	345	0.15	0.0	0.0	127,0,0
		262	0.13	0.0	0.0	136,0,0	258	0.17	0.0	0.0	138,0,0
120	ok	337	0.18	0.0	0.0	127,0,0	328	0.17	0.0	0.0	132,0,0
		259	0.18	0.0	0.0	121,0,0	255	0.14	0.0	0.0	130,0,0
121	ok	276	0.16	0.0	0.0	127,0,0	287	0.19	0.0	0.0	127,0,0
		177	0.20	0.0	0.0	138,0,0	144	0.22	0.0	0.0	138,0,0
122	ok	14	0.08	0.0	0.0	126,0,0	25	0.11	0.0	0.0	120,0,0
		264	0.14	0.0	0.0	136,0,0	160	0.13	0.0	0.0	120,0,0
123	ok	378	0.20	0.0	0.0	118,0,0	389	0.21	0.0	0.0	118,0,0
		265	0.22	0.0	0.0	117,0,0	163	0.21	0.0	0.0	122,0,0
124	ok	344	0.19	0.0	0.0	117,0,0	355	0.20	0.0	0.0	117,0,0
		266	0.20	0.0	0.0	117,0,0	165	0.19	0.0	0.0	125,0,0
125	ok	327	0.21	0.0	0.0	130,0,0	338	0.20	0.0	0.0	126,0,0
		263	0.20	0.0	0.0	126,0,0	168	0.22	0.0	0.0	130,0,0
126	ok	287	0.17	0.0	0.0	127,0,0	271	0.14	0.0	0.0	131,0,0
		178	0.12	0.0	0.0	128,0,0	177	0.22	0.0	0.0	128,0,0
127	ok	25	0.10	0.0	0.0	136,0,0	9	0.11	0.0	0.0	138,0,0

		268	0.14	0.0	0.0	126,0,0	264	0.15	0.0	0.0	136,0,0
128	ok	389	0.27	0.0	0.0	118,0,0	373	0.22	0.0	0.0	118,0,0
		269	0.19	0.0	0.0	118,0,0	265	0.24	0.0	0.0	121,0,0
129	ok	355	0.25	0.0	0.0	117,0,0	339	0.19	0.0	0.0	117,0,0
		270	0.17	0.0	0.0	117,0,0	266	0.23	0.0	0.0	125,0,0
130	ok	338	0.23	0.0	0.0	126,0,0	322	0.18	0.0	0.0	126,0,0
		267	0.14	0.0	0.0	129,0,0	263	0.22	0.0	0.0	129,0,0
131	ok	288	0.18	0.0	0.0	126,0,0	189	0.19	0.0	0.0	127,0,0
		190	0.13	0.0	0.0	132,0,0	271	0.14	0.0	0.0	118,0,0
132	ok	290	0.11	0.0	0.0	128,0,0	289	0.26	0.0	0.0	132,0,0
		272	0.18	0.0	0.0	131,0,0	273	0.15	0.0	0.0	128,0,0
133	ok	285	0.09	0.0	0.0	133,0,0	291	0.10	0.0	0.0	121,0,0
		274	0.10	0.0	0.0	130,0,0	275	0.07	0.0	0.0	129,0,0
134	ok	294	0.19	0.0	0.0	130,0,0	293	0.20	0.0	0.0	130,0,0
		276	0.13	0.0	0.0	127,0,0	277	0.18	0.0	0.0	130,0,0
135	ok	296	0.19	0.0	0.0	131,0,0	295	0.19	0.0	0.0	131,0,0
		278	0.13	0.0	0.0	131,0,0	279	0.16	0.0	0.0	129,0,0
136	ok	187	0.19	0.0	0.0	129,0,0	297	0.18	0.0	0.0	132,0,0
		280	0.14	0.0	0.0	124,0,0	188	0.13	0.0	0.0	126,0,0
137	ok	297	0.15	0.0	0.0	132,0,0	296	0.20	0.0	0.0	132,0,0
		279	0.14	0.0	0.0	119,0,0	280	0.13	0.0	0.0	135,0,0
138	ok	295	0.20	0.0	0.0	128,0,0	298	0.19	0.0	0.0	128,0,0
		281	0.18	0.0	0.0	128,0,0	278	0.13	0.0	0.0	129,0,0
139	ok	298	0.17	0.0	0.0	128,0,0	290	0.12	0.0	0.0	128,0,0
		273	0.15	0.0	0.0	128,0,0	281	0.17	0.0	0.0	128,0,0
140	ok	289	0.10	0.0	0.0	119,0,0	43	0.09	0.0	0.0	143,0,0
		282	0.07	0.0	0.0	127,0,0	272	0.10	0.0	0.0	128,0,0
141	ok	53	0.08	0.0	0.0	146,0,0	54	0.06	0.0	0.0	142,0,0
		182	0.14	0.0	0.0	135,0,0	181	0.12	0.0	0.0	143,0,0
142	ok	46	0.16	0.0	0.0	118,0,0	59	0.09	0.0	0.0	122,0,0
		214	0.10	0.0	0.0	118,0,0	124	0.33	0.0	0.0	118,0,0
143	ok	59	0.11	0.0	0.0	134,0,0	60	0.03	0.0	0.0	118,0,0
		215	0.06	0.0	0.0	122,0,0	214	0.10	0.0	0.0	118,0,0
144	ok	58	0.09	0.0	0.0	119,0,0	49	0.06	0.0	0.0	119,0,0
		145	0.13	0.0	0.0	119,0,0	186	0.12	0.0	0.0	139,0,0
145	ok	291	0.26	0.0	0.0	126,0,0	303	0.11	0.0	0.0	130,0,0
		286	0.15	0.0	0.0	130,0,0	274	0.18	0.0	0.0	125,0,0
146	ok	303	0.12	0.0	0.0	130,0,0	294	0.17	0.0	0.0	130,0,0
		277	0.17	0.0	0.0	130,0,0	286	0.15	0.0	0.0	130,0,0
147	ok	293	0.19	0.0	0.0	125,0,0	304	0.19	0.0	0.0	125,0,0
		287	0.16	0.0	0.0	127,0,0	276	0.13	0.0	0.0	125,0,0
148	ok	304	0.20	0.0	0.0	126,0,0	288	0.15	0.0	0.0	126,0,0
		271	0.13	0.0	0.0	141,0,0	287	0.14	0.0	0.0	121,0,0
149	ok	267	0.21	0.0	0.0	126,0,0	167	0.25	0.0	0.0	127,0,0
		189	0.17	0.0	0.0	127,0,0	288	0.18	0.0	0.0	126,0,0
150	ok	231	0.25	0.0	0.0	129,0,0	116	0.26	0.0	0.0	132,0,0
		289	0.24	0.0	0.0	119,0,0	290	0.14	0.0	0.0	142,0,0
151	ok	54	0.06	0.0	0.0	134,0,0	46	0.16	0.0	0.0	118,0,0
		124	0.15	0.0	0.0	140,0,0	182	0.20	0.0	0.0	119,0,0
152	ok	259	0.17	0.0	0.0	130,0,0	168	0.20	0.0	0.0	130,0,0
		293	0.18	0.0	0.0	130,0,0	294	0.18	0.0	0.0	130,0,0
153	ok	223	0.21	0.0	0.0	128,0,0	169	0.22	0.0	0.0	128,0,0
		295	0.19	0.0	0.0	128,0,0	296	0.18	0.0	0.0	131,0,0
154	ok	170	0.25	0.0	0.0	129,0,0	219	0.21	0.0	0.0	132,0,0
		297	0.18	0.0	0.0	132,0,0	187	0.17	0.0	0.0	129,0,0
155	ok	219	0.15	0.0	0.0	127,0,0	223	0.21	0.0	0.0	127,0,0
		296	0.21	0.0	0.0	132,0,0	297	0.15	0.0	0.0	132,0,0
156	ok	169	0.20	0.0	0.0	128,0,0	227	0.17	0.0	0.0	128,0,0
		298	0.18	0.0	0.0	128,0,0	295	0.18	0.0	0.0	128,0,0
157	ok	227	0.19	0.0	0.0	144,0,0	231	0.13	0.0	0.0	128,0,0
		290	0.10	0.0	0.0	132,0,0	298	0.17	0.0	0.0	134,0,0
158	ok	56	0.06	0.0	0.0	136,0,0	48	0.13	0.0	0.0	119,0,0
		140	0.13	0.0	0.0	120,0,0	184	0.20	0.0	0.0	120,0,0
159	ok	235	0.21	0.0	0.0	126,0,0	239	0.15	0.0	0.0	125,0,0
		300	0.19	0.0	0.0	126,0,0	211	0.18	0.0	0.0	126,0,0
160	ok	239	0.11	0.0	0.0	125,0,0	243	0.10	0.0	0.0	125,0,0
		301	0.11	0.0	0.0	126,0,0	300	0.11	0.0	0.0	130,0,0
161	ok	243	0.10	0.0	0.0	131,0,0	247	0.11	0.0	0.0	131,0,0
		302	0.11	0.0	0.0	128,0,0	301	0.11	0.0	0.0	132,0,0
162	ok	251	0.38	0.0	0.0	132,0,0	147	0.11	0.0	0.0	129,0,0
		292	0.48	0.0	0.0	131,0,0	210	0.23	0.0	0.0	131,0,0
163	ok	147	0.26	0.0	0.0	126,0,0	255	0.25	0.0	0.0	127,0,0
		303	0.14	0.0	0.0	136,0,0	291	0.24	0.0	0.0	121,0,0
164	ok	255	0.13	0.0	0.0	130,0,0	259	0.19	0.0	0.0	134,0,0
		294	0.17	0.0	0.0	144,0,0	303	0.10	0.0	0.0	126,0,0
165	ok	168	0.22	0.0	0.0	130,0,0	263	0.21	0.0	0.0	130,0,0
		304	0.18	0.0	0.0	125,0,0	293	0.19	0.0	0.0	130,0,0
166	ok	263	0.21	0.0	0.0	129,0,0	267	0.15	0.0	0.0	129,0,0

		288	0.15	0.0	0.0	126,0,0	304	0.21	0.0	0.0	126,0,0
167	ok	270	0.16	0.0	0.0	126,0,0	142	0.13	0.0	0.0	127,0,0
		199	0.14	0.0	0.0	127,0,0	305	0.16	0.0	0.0	126,0,0
168	ok	234	0.15	0.0	0.0	124,0,0	118	0.20	0.0	0.0	145,0,0
		306	0.20	0.0	0.0	129,0,0	307	0.16	0.0	0.0	124,0,0
169	ok	254	0.20	0.0	0.0	127,0,0	148	0.20	0.0	0.0	137,0,0
		308	0.19	0.0	0.0	139,0,0	309	0.18	0.0	0.0	127,0,0
170	ok	262	0.11	0.0	0.0	117,0,0	165	0.17	0.0	0.0	139,0,0
		310	0.17	0.0	0.0	126,0,0	311	0.16	0.0	0.0	129,0,0
171	ok	226	0.20	0.0	0.0	123,0,0	166	0.19	0.0	0.0	131,0,0
		312	0.20	0.0	0.0	127,0,0	313	0.20	0.0	0.0	127,0,0
172	ok	108	0.13	0.0	0.0	129,0,0	222	0.16	0.0	0.0	132,0,0
		314	0.16	0.0	0.0	132,0,0	197	0.14	0.0	0.0	129,0,0
173	ok	222	0.17	0.0	0.0	123,0,0	226	0.23	0.0	0.0	131,0,0
		313	0.23	0.0	0.0	127,0,0	314	0.16	0.0	0.0	127,0,0
174	ok	166	0.17	0.0	0.0	145,0,0	230	0.11	0.0	0.0	123,0,0
		315	0.16	0.0	0.0	127,0,0	312	0.17	0.0	0.0	132,0,0
175	ok	230	0.12	0.0	0.0	125,0,0	234	0.15	0.0	0.0	132,0,0
		307	0.16	0.0	0.0	124,0,0	315	0.15	0.0	0.0	129,0,0
176	ok	118	0.20	0.0	0.0	147,0,0	238	0.20	0.0	0.0	129,0,0
		316	0.18	0.0	0.0	129,0,0	306	0.19	0.0	0.0	145,0,0
177	ok	238	0.19	0.0	0.0	129,0,0	242	0.18	0.0	0.0	125,0,0
		317	0.17	0.0	0.0	125,0,0	316	0.17	0.0	0.0	129,0,0
178	ok	242	0.19	0.0	0.0	125,0,0	246	0.16	0.0	0.0	132,0,0
		318	0.15	0.0	0.0	144,0,0	317	0.17	0.0	0.0	129,0,0
179	ok	246	0.16	0.0	0.0	126,0,0	250	0.19	0.0	0.0	131,0,0
		319	0.17	0.0	0.0	127,0,0	318	0.15	0.0	0.0	134,0,0
180	ok	250	0.18	0.0	0.0	131,0,0	254	0.19	0.0	0.0	127,0,0
		309	0.17	0.0	0.0	127,0,0	319	0.17	0.0	0.0	131,0,0
181	ok	148	0.20	0.0	0.0	139,0,0	258	0.15	0.0	0.0	118,0,0
		320	0.16	0.0	0.0	118,0,0	308	0.20	0.0	0.0	127,0,0
182	ok	258	0.15	0.0	0.0	126,0,0	262	0.12	0.0	0.0	131,0,0
		311	0.15	0.0	0.0	127,0,0	320	0.16	0.0	0.0	118,0,0
183	ok	165	0.19	0.0	0.0	125,0,0	266	0.20	0.0	0.0	117,0,0
		321	0.20	0.0	0.0	129,0,0	310	0.20	0.0	0.0	129,0,0
184	ok	266	0.23	0.0	0.0	125,0,0	270	0.17	0.0	0.0	117,0,0
		305	0.16	0.0	0.0	129,0,0	321	0.23	0.0	0.0	129,0,0
185	ok	305	0.16	0.0	0.0	126,0,0	199	0.15	0.0	0.0	127,0,0
		200	0.17	0.0	0.0	127,0,0	322	0.17	0.0	0.0	126,0,0
186	ok	307	0.17	0.0	0.0	137,0,0	306	0.21	0.0	0.0	125,0,0
		323	0.23	0.0	0.0	132,0,0	324	0.22	0.0	0.0	125,0,0
187	ok	309	0.24	0.0	0.0	131,0,0	308	0.19	0.0	0.0	147,0,0
		325	0.19	0.0	0.0	138,0,0	326	0.10	0.0	0.0	138,0,0
188	ok	311	0.15	0.0	0.0	133,0,0	310	0.17	0.0	0.0	129,0,0
		327	0.20	0.0	0.0	137,0,0	328	0.18	0.0	0.0	133,0,0
189	ok	313	0.20	0.0	0.0	127,0,0	312	0.20	0.0	0.0	127,0,0
		329	0.21	0.0	0.0	128,0,0	330	0.20	0.0	0.0	131,0,0
190	ok	197	0.15	0.0	0.0	129,0,0	314	0.16	0.0	0.0	132,0,0
		331	0.17	0.0	0.0	132,0,0	198	0.17	0.0	0.0	129,0,0
191	ok	314	0.16	0.0	0.0	127,0,0	313	0.23	0.0	0.0	127,0,0
		330	0.24	0.0	0.0	132,0,0	331	0.16	0.0	0.0	132,0,0
192	ok	312	0.17	0.0	0.0	127,0,0	315	0.15	0.0	0.0	143,0,0
		332	0.18	0.0	0.0	143,0,0	329	0.20	0.0	0.0	147,0,0
193	ok	315	0.16	0.0	0.0	125,0,0	307	0.18	0.0	0.0	135,0,0
		324	0.14	0.0	0.0	143,0,0	332	0.18	0.0	0.0	126,0,0
194	ok	306	0.19	0.0	0.0	137,0,0	316	0.24	0.0	0.0	125,0,0
		333	0.10	0.0	0.0	148,0,0	323	0.19	0.0	0.0	148,0,0
195	ok	316	0.22	0.0	0.0	125,0,0	317	0.18	0.0	0.0	129,0,0
		334	0.11	0.0	0.0	125,0,0	333	0.11	0.0	0.0	126,0,0
196	ok	317	0.17	0.0	0.0	137,0,0	318	0.15	0.0	0.0	145,0,0
		335	0.10	0.0	0.0	138,0,0	334	0.10	0.0	0.0	129,0,0
197	ok	318	0.15	0.0	0.0	139,0,0	319	0.17	0.0	0.0	147,0,0
		336	0.10	0.0	0.0	127,0,0	335	0.10	0.0	0.0	148,0,0
198	ok	319	0.18	0.0	0.0	127,0,0	309	0.22	0.0	0.0	131,0,0
		326	0.11	0.0	0.0	132,0,0	336	0.11	0.0	0.0	131,0,0
199	ok	308	0.21	0.0	0.0	131,0,0	320	0.17	0.0	0.0	147,0,0
		337	0.22	0.0	0.0	131,0,0	325	0.23	0.0	0.0	126,0,0
200	ok	320	0.18	0.0	0.0	141,0,0	311	0.16	0.0	0.0	131,0,0
		328	0.18	0.0	0.0	132,0,0	337	0.14	0.0	0.0	133,0,0
201	ok	310	0.20	0.0	0.0	129,0,0	321	0.20	0.0	0.0	129,0,0
		338	0.20	0.0	0.0	125,0,0	327	0.21	0.0	0.0	130,0,0
202	ok	321	0.23	0.0	0.0	129,0,0	305	0.16	0.0	0.0	129,0,0
		322	0.16	0.0	0.0	126,0,0	338	0.24	0.0	0.0	126,0,0
203	ok	356	0.31	0.0	0.0	118,0,0	195	0.26	0.0	0.0	119,0,0
		196	0.17	0.0	0.0	119,0,0	339	0.21	0.0	0.0	118,0,0
204	ok	358	0.21	0.0	0.0	137,0,0	357	0.42	0.0	0.0	135,0,0
		340	0.17	0.0	0.0	135,0,0	341	0.21	0.0	0.0	140,0,0
205	ok	360	0.19	0.0	0.0	147,0,0	359	0.42	0.0	0.0	147,0,0

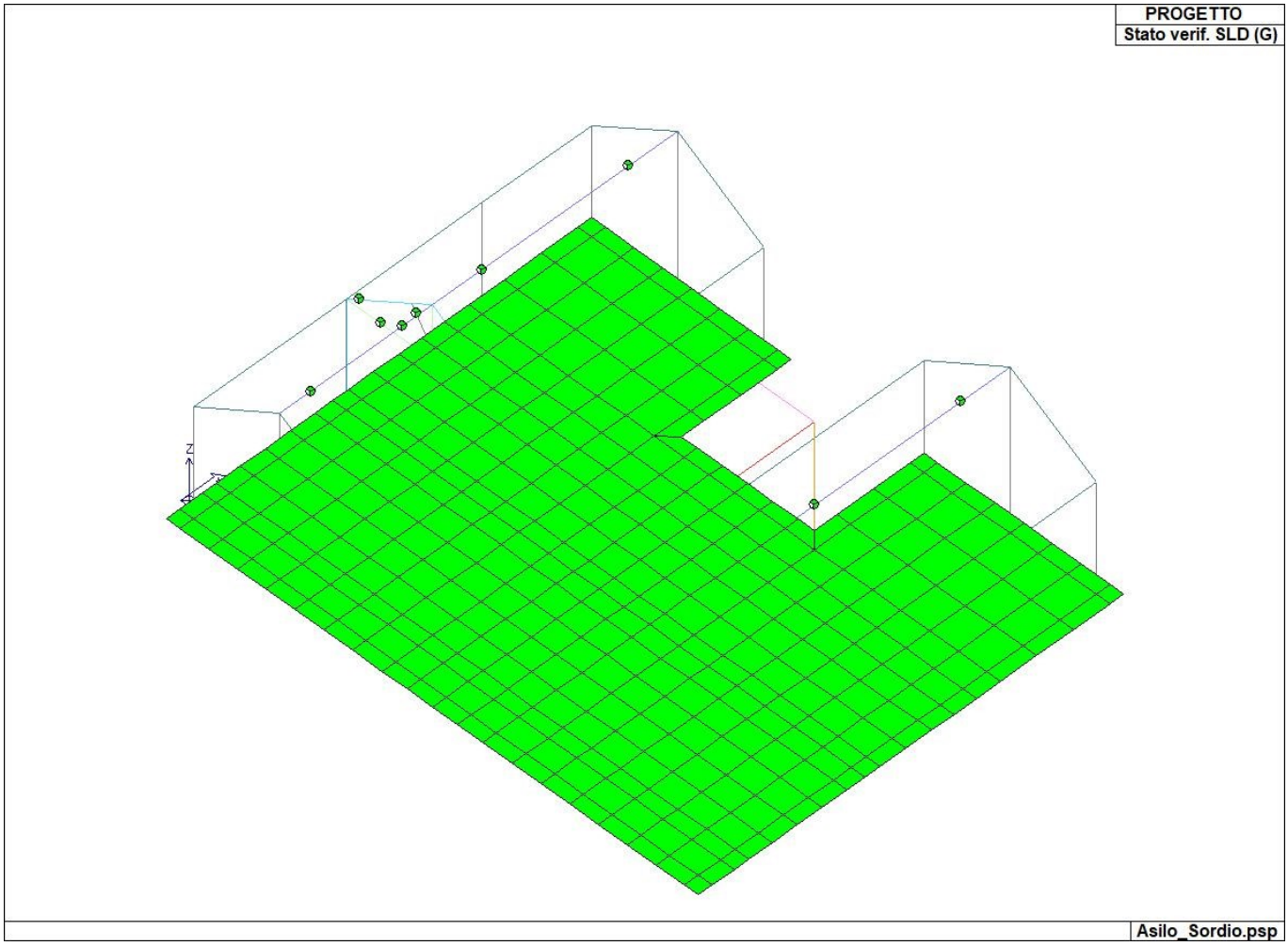
		342	0.17	0.0	0.0	147,0,0	343	0.24	0.0	0.0	144,0,0
206	ok	362	0.14	0.0	0.0	138,0,0	361	0.19	0.0	0.0	133,0,0
		344	0.19	0.0	0.0	139,0,0	345	0.13	0.0	0.0	146,0,0
207	ok	364	0.21	0.0	0.0	123,0,0	363	0.20	0.0	0.0	123,0,0
		346	0.20	0.0	0.0	123,0,0	347	0.21	0.0	0.0	123,0,0
208	ok	193	0.26	0.0	0.0	121,0,0	365	0.31	0.0	0.0	124,0,0
		348	0.21	0.0	0.0	124,0,0	194	0.17	0.0	0.0	121,0,0
209	ok	365	0.19	0.0	0.0	123,0,0	364	0.26	0.0	0.0	123,0,0
		347	0.26	0.0	0.0	123,0,0	348	0.19	0.0	0.0	123,0,0
210	ok	363	0.19	0.0	0.0	143,0,0	366	0.14	0.0	0.0	148,0,0
		349	0.13	0.0	0.0	140,0,0	346	0.19	0.0	0.0	145,0,0
211	ok	366	0.18	0.0	0.0	129,0,0	358	0.16	0.0	0.0	137,0,0
		341	0.19	0.0	0.0	140,0,0	349	0.15	0.0	0.0	121,0,0
212	ok	357	0.42	0.0	0.0	137,0,0	367	0.19	0.0	0.0	137,0,0
		350	0.24	0.0	0.0	134,0,0	340	0.17	0.0	0.0	137,0,0
213	ok	367	0.15	0.0	0.0	125,0,0	368	0.16	0.0	0.0	135,0,0
		351	0.14	0.0	0.0	140,0,0	350	0.22	0.0	0.0	134,0,0
214	ok	368	0.13	0.0	0.0	118,0,0	369	0.14	0.0	0.0	137,0,0
		352	0.14	0.0	0.0	143,0,0	351	0.15	0.0	0.0	134,0,0
215	ok	369	0.14	0.0	0.0	147,0,0	370	0.13	0.0	0.0	124,0,0
		353	0.15	0.0	0.0	144,0,0	352	0.14	0.0	0.0	133,0,0
216	ok	370	0.16	0.0	0.0	141,0,0	360	0.15	0.0	0.0	131,0,0
		343	0.22	0.0	0.0	144,0,0	353	0.14	0.0	0.0	146,0,0
217	ok	359	0.42	0.0	0.0	141,0,0	371	0.21	0.0	0.0	147,0,0
		354	0.21	0.0	0.0	146,0,0	342	0.17	0.0	0.0	141,0,0
218	ok	371	0.16	0.0	0.0	147,0,0	362	0.18	0.0	0.0	127,0,0
		345	0.15	0.0	0.0	119,0,0	354	0.19	0.0	0.0	146,0,0
219	ok	361	0.20	0.0	0.0	117,0,0	372	0.21	0.0	0.0	117,0,0
		355	0.21	0.0	0.0	117,0,0	344	0.20	0.0	0.0	117,0,0
220	ok	372	0.26	0.0	0.0	117,0,0	356	0.19	0.0	0.0	117,0,0
		339	0.19	0.0	0.0	117,0,0	355	0.26	0.0	0.0	117,0,0
221	ok	269	0.32	0.0	0.0	121,0,0	141	0.55	0.0	0.0	119,0,0
		195	0.31	0.0	0.0	119,0,0	356	0.35	0.0	0.0	118,0,0
222	ok	233	0.27	0.0	0.0	122,0,0	120	0.39	0.0	0.0	135,0,0
		357	0.61	0.0	0.0	137,0,0	358	0.31	0.0	0.0	140,0,0
223	ok	253	0.28	0.0	0.0	130,0,0	149	0.39	0.0	0.0	147,0,0
		359	0.61	0.0	0.0	141,0,0	360	0.31	0.0	0.0	144,0,0
224	ok	261	0.13	0.0	0.0	123,0,0	163	0.19	0.0	0.0	132,0,0
		361	0.19	0.0	0.0	133,0,0	362	0.14	0.0	0.0	144,0,0
225	ok	225	0.22	0.0	0.0	120,0,0	164	0.21	0.0	0.0	119,0,0
		363	0.20	0.0	0.0	123,0,0	364	0.21	0.0	0.0	119,0,0
226	ok	106	0.55	0.0	0.0	121,0,0	221	0.32	0.0	0.0	119,0,0
		365	0.35	0.0	0.0	124,0,0	193	0.31	0.0	0.0	121,0,0
227	ok	221	0.18	0.0	0.0	124,0,0	225	0.24	0.0	0.0	124,0,0
		364	0.26	0.0	0.0	123,0,0	365	0.22	0.0	0.0	119,0,0
228	ok	164	0.19	0.0	0.0	126,0,0	229	0.13	0.0	0.0	117,0,0
		366	0.14	0.0	0.0	134,0,0	363	0.18	0.0	0.0	143,0,0
229	ok	229	0.16	0.0	0.0	134,0,0	233	0.20	0.0	0.0	140,0,0
		358	0.18	0.0	0.0	140,0,0	366	0.17	0.0	0.0	137,0,0
230	ok	120	0.39	0.0	0.0	137,0,0	237	0.28	0.0	0.0	128,0,0
		367	0.31	0.0	0.0	134,0,0	357	0.61	0.0	0.0	135,0,0
231	ok	237	0.20	0.0	0.0	134,0,0	241	0.15	0.0	0.0	134,0,0
		368	0.15	0.0	0.0	135,0,0	367	0.19	0.0	0.0	118,0,0
232	ok	241	0.12	0.0	0.0	132,0,0	245	0.15	0.0	0.0	123,0,0
		369	0.15	0.0	0.0	137,0,0	368	0.13	0.0	0.0	128,0,0
233	ok	245	0.15	0.0	0.0	117,0,0	249	0.12	0.0	0.0	126,0,0
		370	0.13	0.0	0.0	130,0,0	369	0.15	0.0	0.0	147,0,0
234	ok	249	0.15	0.0	0.0	144,0,0	253	0.20	0.0	0.0	144,0,0
		360	0.19	0.0	0.0	124,0,0	370	0.15	0.0	0.0	141,0,0
235	ok	149	0.39	0.0	0.0	141,0,0	257	0.27	0.0	0.0	120,0,0
		371	0.31	0.0	0.0	146,0,0	359	0.61	0.0	0.0	147,0,0
236	ok	257	0.20	0.0	0.0	146,0,0	261	0.16	0.0	0.0	144,0,0
		362	0.17	0.0	0.0	147,0,0	371	0.18	0.0	0.0	146,0,0
237	ok	163	0.21	0.0	0.0	121,0,0	265	0.22	0.0	0.0	122,0,0
		372	0.21	0.0	0.0	121,0,0	361	0.20	0.0	0.0	117,0,0
238	ok	265	0.24	0.0	0.0	118,0,0	269	0.18	0.0	0.0	118,0,0
		356	0.22	0.0	0.0	121,0,0	372	0.26	0.0	0.0	117,0,0
239	ok	390	0.18	0.0	0.0	117,0,0	207	0.18	0.0	0.0	120,0,0
		208	0.25	0.0	0.0	120,0,0	373	0.28	0.0	0.0	117,0,0
240	ok	392	0.22	0.0	0.0	135,0,0	391	0.20	0.0	0.0	129,0,0
		374	0.36	0.0	0.0	140,0,0	375	0.19	0.0	0.0	134,0,0
241	ok	394	0.23	0.0	0.0	147,0,0	393	0.16	0.0	0.0	133,0,0
		376	0.36	0.0	0.0	144,0,0	377	0.19	0.0	0.0	144,0,0
242	ok	396	0.15	0.0	0.0	133,0,0	395	0.19	0.0	0.0	138,0,0
		378	0.18	0.0	0.0	121,0,0	379	0.15	0.0	0.0	141,0,0
243	ok	398	0.20	0.0	0.0	124,0,0	397	0.20	0.0	0.0	124,0,0
		380	0.20	0.0	0.0	124,0,0	381	0.20	0.0	0.0	124,0,0
244	ok	203	0.18	0.0	0.0	122,0,0	399	0.18	0.0	0.0	123,0,0

		382	0.28	0.0	0.0	123,0,0	204	0.25	0.0	0.0	122,0,0
245	ok	399	0.17	0.0	0.0	124,0,0	398	0.25	0.0	0.0	124,0,0
		381	0.27	0.0	0.0	124,0,0	382	0.19	0.0	0.0	124,0,0
246	ok	397	0.19	0.0	0.0	148,0,0	400	0.15	0.0	0.0	143,0,0
		383	0.15	0.0	0.0	135,0,0	380	0.18	0.0	0.0	119,0,0
247	ok	400	0.15	0.0	0.0	130,0,0	392	0.21	0.0	0.0	135,0,0
		375	0.14	0.0	0.0	140,0,0	383	0.18	0.0	0.0	118,0,0
248	ok	391	0.16	0.0	0.0	143,0,0	401	0.23	0.0	0.0	137,0,0
		384	0.19	0.0	0.0	134,0,0	374	0.36	0.0	0.0	134,0,0
249	ok	401	0.22	0.0	0.0	137,0,0	402	0.13	0.0	0.0	135,0,0
		385	0.16	0.0	0.0	140,0,0	384	0.14	0.0	0.0	134,0,0
250	ok	402	0.14	0.0	0.0	137,0,0	403	0.12	0.0	0.0	148,0,0
		386	0.13	0.0	0.0	125,0,0	385	0.13	0.0	0.0	125,0,0
251	ok	403	0.12	0.0	0.0	138,0,0	404	0.14	0.0	0.0	147,0,0
		387	0.13	0.0	0.0	131,0,0	386	0.13	0.0	0.0	131,0,0
252	ok	404	0.13	0.0	0.0	141,0,0	394	0.22	0.0	0.0	147,0,0
		377	0.14	0.0	0.0	144,0,0	387	0.16	0.0	0.0	146,0,0
253	ok	393	0.20	0.0	0.0	127,0,0	405	0.22	0.0	0.0	141,0,0
		388	0.19	0.0	0.0	144,0,0	376	0.36	0.0	0.0	146,0,0
254	ok	405	0.21	0.0	0.0	141,0,0	396	0.15	0.0	0.0	128,0,0
		379	0.18	0.0	0.0	124,0,0	388	0.14	0.0	0.0	146,0,0
255	ok	395	0.20	0.0	0.0	118,0,0	406	0.20	0.0	0.0	118,0,0
		389	0.20	0.0	0.0	118,0,0	378	0.20	0.0	0.0	118,0,0
256	ok	406	0.25	0.0	0.0	118,0,0	390	0.17	0.0	0.0	118,0,0
		373	0.19	0.0	0.0	118,0,0	389	0.27	0.0	0.0	118,0,0
257	ok	407	0.15	0.0	0.0	117,0,0	206	0.16	0.0	0.0	120,0,0
		207	0.18	0.0	0.0	120,0,0	390	0.19	0.0	0.0	117,0,0
258	ok	409	0.17	0.0	0.0	143,0,0	408	0.18	0.0	0.0	118,0,0
		391	0.15	0.0	0.0	130,0,0	392	0.13	0.0	0.0	143,0,0
259	ok	411	0.17	0.0	0.0	123,0,0	410	0.18	0.0	0.0	144,0,0
		393	0.14	0.0	0.0	146,0,0	394	0.15	0.0	0.0	123,0,0
260	ok	413	0.15	0.0	0.0	121,0,0	412	0.16	0.0	0.0	144,0,0
		395	0.18	0.0	0.0	136,0,0	396	0.14	0.0	0.0	126,0,0
261	ok	415	0.18	0.0	0.0	124,0,0	414	0.18	0.0	0.0	124,0,0
		397	0.19	0.0	0.0	124,0,0	398	0.20	0.0	0.0	124,0,0
262	ok	202	0.16	0.0	0.0	122,0,0	416	0.15	0.0	0.0	123,0,0
		399	0.19	0.0	0.0	123,0,0	203	0.18	0.0	0.0	122,0,0
263	ok	416	0.15	0.0	0.0	124,0,0	415	0.20	0.0	0.0	124,0,0
		398	0.24	0.0	0.0	124,0,0	399	0.17	0.0	0.0	120,0,0
264	ok	414	0.16	0.0	0.0	134,0,0	417	0.15	0.0	0.0	119,0,0
		400	0.14	0.0	0.0	132,0,0	397	0.18	0.0	0.0	142,0,0
265	ok	417	0.15	0.0	0.0	137,0,0	409	0.16	0.0	0.0	143,0,0
		392	0.13	0.0	0.0	142,0,0	400	0.15	0.0	0.0	134,0,0
266	ok	408	0.18	0.0	0.0	134,0,0	418	0.17	0.0	0.0	117,0,0
		401	0.15	0.0	0.0	117,0,0	391	0.14	0.0	0.0	140,0,0
267	ok	418	0.16	0.0	0.0	117,0,0	419	0.13	0.0	0.0	125,0,0
		402	0.14	0.0	0.0	142,0,0	401	0.15	0.0	0.0	122,0,0
268	ok	419	0.13	0.0	0.0	125,0,0	420	0.11	0.0	0.0	119,0,0
		403	0.12	0.0	0.0	148,0,0	402	0.14	0.0	0.0	118,0,0
269	ok	420	0.11	0.0	0.0	121,0,0	421	0.13	0.0	0.0	131,0,0
		404	0.14	0.0	0.0	124,0,0	403	0.12	0.0	0.0	138,0,0
270	ok	421	0.13	0.0	0.0	131,0,0	411	0.16	0.0	0.0	123,0,0
		394	0.15	0.0	0.0	120,0,0	404	0.14	0.0	0.0	136,0,0
271	ok	410	0.18	0.0	0.0	124,0,0	422	0.17	0.0	0.0	133,0,0
		405	0.13	0.0	0.0	133,0,0	393	0.15	0.0	0.0	128,0,0
272	ok	422	0.16	0.0	0.0	133,0,0	413	0.15	0.0	0.0	147,0,0
		396	0.15	0.0	0.0	144,0,0	405	0.13	0.0	0.0	136,0,0
273	ok	412	0.18	0.0	0.0	118,0,0	423	0.18	0.0	0.0	118,0,0
		406	0.20	0.0	0.0	118,0,0	395	0.19	0.0	0.0	118,0,0
274	ok	423	0.20	0.0	0.0	118,0,0	407	0.15	0.0	0.0	118,0,0
		390	0.17	0.0	0.0	122,0,0	406	0.24	0.0	0.0	118,0,0
275	ok	424	0.14	0.0	0.0	117,0,0	205	0.17	0.0	0.0	120,0,0
		206	0.17	0.0	0.0	120,0,0	407	0.15	0.0	0.0	117,0,0
276	ok	41	0.17	0.0	0.0	142,0,0	212	0.11	0.0	0.0	141,0,0
		408	0.21	0.0	0.0	142,0,0	409	0.20	0.0	0.0	142,0,0
277	ok	283	0.10	0.0	0.0	136,0,0	42	0.12	0.0	0.0	136,0,0
		410	0.20	0.0	0.0	136,0,0	411	0.21	0.0	0.0	136,0,0
278	ok	109	0.14	0.0	0.0	138,0,0	284	0.14	0.0	0.0	120,0,0
		412	0.15	0.0	0.0	144,0,0	413	0.15	0.0	0.0	138,0,0
279	ok	103	0.16	0.0	0.0	148,0,0	102	0.15	0.0	0.0	144,0,0
		414	0.18	0.0	0.0	124,0,0	415	0.18	0.0	0.0	124,0,0
280	ok	201	0.17	0.0	0.0	122,0,0	1	0.14	0.0	0.0	123,0,0
		416	0.15	0.0	0.0	123,0,0	202	0.17	0.0	0.0	122,0,0
281	ok	1	0.14	0.0	0.0	124,0,0	103	0.17	0.0	0.0	127,0,0
		415	0.20	0.0	0.0	124,0,0	416	0.15	0.0	0.0	124,0,0
282	ok	102	0.14	0.0	0.0	122,0,0	2	0.14	0.0	0.0	148,0,0
		417	0.15	0.0	0.0	148,0,0	414	0.15	0.0	0.0	134,0,0
283	ok	2	0.14	0.0	0.0	148,0,0	41	0.14	0.0	0.0	142,0,0

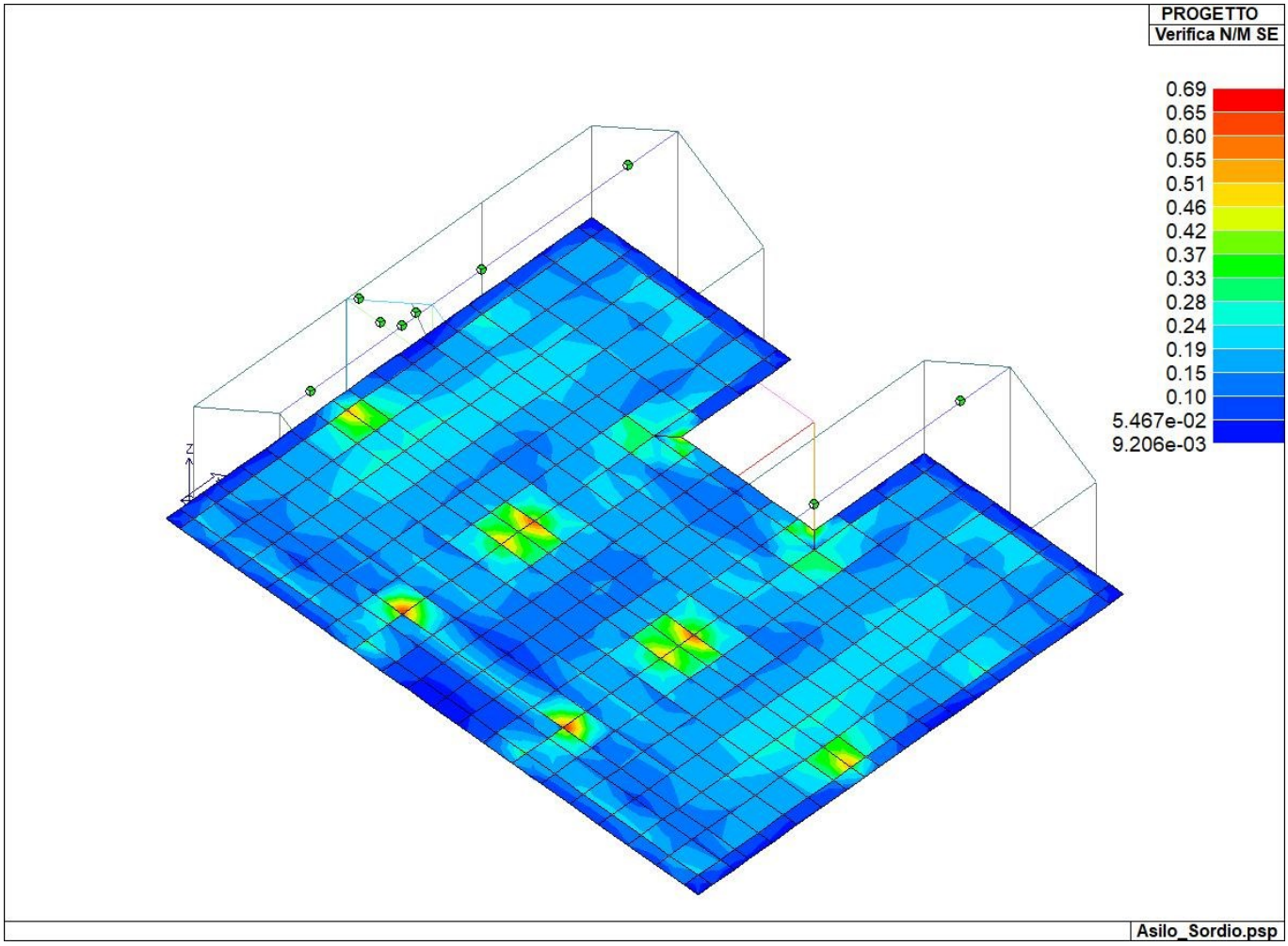
		409	0.21	0.0	0.0	142,0,0	417	0.16	0.0	0.0	142,0,0
284	ok	212	0.12	0.0	0.0	142,0,0	3	0.10	0.0	0.0	142,0,0
		418	0.21	0.0	0.0	142,0,0	408	0.20	0.0	0.0	142,0,0
285	ok	3	0.09	0.0	0.0	142,0,0	4	0.07	0.0	0.0	142,0,0
		419	0.16	0.0	0.0	142,0,0	418	0.20	0.0	0.0	142,0,0
286	ok	4	0.07	0.0	0.0	142,0,0	5	0.05	0.0	0.0	144,0,0
		420	0.13	0.0	0.0	134,0,0	419	0.15	0.0	0.0	142,0,0
287	ok	5	0.05	0.0	0.0	134,0,0	6	0.07	0.0	0.0	136,0,0
		421	0.15	0.0	0.0	136,0,0	420	0.13	0.0	0.0	144,0,0
288	ok	6	0.07	0.0	0.0	136,0,0	283	0.09	0.0	0.0	136,0,0
		411	0.20	0.0	0.0	136,0,0	421	0.16	0.0	0.0	136,0,0
289	ok	42	0.11	0.0	0.0	135,0,0	7	0.17	0.0	0.0	136,0,0
		422	0.20	0.0	0.0	136,0,0	410	0.21	0.0	0.0	136,0,0
290	ok	7	0.14	0.0	0.0	136,0,0	109	0.14	0.0	0.0	138,0,0
		413	0.16	0.0	0.0	136,0,0	422	0.21	0.0	0.0	136,0,0
291	ok	284	0.15	0.0	0.0	134,0,0	8	0.16	0.0	0.0	138,0,0
		423	0.18	0.0	0.0	118,0,0	412	0.18	0.0	0.0	118,0,0
292	ok	8	0.17	0.0	0.0	129,0,0	424	0.14	0.0	0.0	118,0,0
		407	0.15	0.0	0.0	118,0,0	423	0.20	0.0	0.0	118,0,0
293	ok	268	0.13	0.0	0.0	137,0,0	159	0.16	0.0	0.0	120,0,0
		205	0.17	0.0	0.0	120,0,0	424	0.15	0.0	0.0	129,0,0
294	ok	232	0.17	0.0	0.0	134,0,0	122	0.69	0.0	0.0	143,0,0
		212	0.27	0.0	0.0	142,0,0	41	0.12	0.0	0.0	142,0,0
295	ok	252	0.19	0.0	0.0	133,0,0	150	0.56	0.0	0.0	133,0,0
		42	0.27	0.0	0.0	136,0,0	283	0.11	0.0	0.0	138,0,0
296	ok	260	0.13	0.0	0.0	118,0,0	160	0.13	0.0	0.0	136,0,0
		284	0.15	0.0	0.0	136,0,0	109	0.15	0.0	0.0	138,0,0
297	ok	224	0.14	0.0	0.0	142,0,0	161	0.12	0.0	0.0	148,0,0
		102	0.15	0.0	0.0	142,0,0	103	0.17	0.0	0.0	148,0,0
298	ok	162	0.16	0.0	0.0	122,0,0	220	0.13	0.0	0.0	147,0,0
		1	0.15	0.0	0.0	127,0,0	201	0.17	0.0	0.0	122,0,0
299	ok	220	0.13	0.0	0.0	132,0,0	224	0.13	0.0	0.0	142,0,0
		103	0.17	0.0	0.0	124,0,0	1	0.14	0.0	0.0	124,0,0
300	ok	161	0.13	0.0	0.0	142,0,0	228	0.13	0.0	0.0	124,0,0
		2	0.15	0.0	0.0	148,0,0	102	0.15	0.0	0.0	142,0,0
301	ok	228	0.15	0.0	0.0	142,0,0	232	0.08	0.0	0.0	143,0,0
		41	0.17	0.0	0.0	142,0,0	2	0.15	0.0	0.0	148,0,0
302	ok	122	0.56	0.0	0.0	143,0,0	236	0.19	0.0	0.0	143,0,0
		3	0.11	0.0	0.0	148,0,0	212	0.27	0.0	0.0	142,0,0
303	ok	236	0.24	0.0	0.0	143,0,0	240	0.22	0.0	0.0	143,0,0
		4	0.07	0.0	0.0	142,0,0	3	0.13	0.0	0.0	142,0,0
304	ok	240	0.22	0.0	0.0	143,0,0	244	0.22	0.0	0.0	133,0,0
		5	0.06	0.0	0.0	136,0,0	4	0.08	0.0	0.0	142,0,0
305	ok	244	0.22	0.0	0.0	143,0,0	248	0.22	0.0	0.0	133,0,0
		6	0.08	0.0	0.0	136,0,0	5	0.06	0.0	0.0	142,0,0
306	ok	248	0.22	0.0	0.0	133,0,0	252	0.24	0.0	0.0	133,0,0
		283	0.13	0.0	0.0	136,0,0	6	0.07	0.0	0.0	136,0,0
307	ok	150	0.69	0.0	0.0	133,0,0	256	0.17	0.0	0.0	144,0,0
		7	0.12	0.0	0.0	136,0,0	42	0.27	0.0	0.0	136,0,0
308	ok	256	0.08	0.0	0.0	133,0,0	260	0.15	0.0	0.0	136,0,0
		109	0.15	0.0	0.0	138,0,0	7	0.17	0.0	0.0	136,0,0
309	ok	160	0.12	0.0	0.0	138,0,0	264	0.14	0.0	0.0	136,0,0
		8	0.17	0.0	0.0	138,0,0	284	0.15	0.0	0.0	136,0,0
310	ok	264	0.13	0.0	0.0	136,0,0	268	0.13	0.0	0.0	126,0,0
		424	0.14	0.0	0.0	118,0,0	8	0.17	0.0	0.0	118,0,0
311	ok	184	0.19	0.0	0.0	120,0,0	140	0.21	0.0	0.0	124,0,0
		192	0.14	0.0	0.0	120,0,0	9	0.13	0.0	0.0	120,0,0
312	ok	182	0.19	0.0	0.0	119,0,0	124	0.16	0.0	0.0	124,0,0
		10	0.27	0.0	0.0	135,0,0	11	0.17	0.0	0.0	140,0,0
313	ok	218	0.16	0.0	0.0	124,0,0	151	0.26	0.0	0.0	124,0,0
		12	0.14	0.0	0.0	124,0,0	13	0.09	0.0	0.0	124,0,0
314	ok	186	0.21	0.0	0.0	139,0,0	145	0.23	0.0	0.0	139,0,0
		14	0.07	0.0	0.0	121,0,0	15	0.14	0.0	0.0	121,0,0
315	ok	174	0.20	0.0	0.0	130,0,0	126	0.23	0.0	0.0	145,0,0
		16	0.07	0.0	0.0	142,0,0	17	0.14	0.0	0.0	142,0,0
316	ok	104	0.21	0.0	0.0	118,0,0	173	0.19	0.0	0.0	122,0,0
		18	0.13	0.0	0.0	122,0,0	191	0.14	0.0	0.0	122,0,0
317	ok	173	0.15	0.0	0.0	122,0,0	174	0.22	0.0	0.0	121,0,0
		17	0.11	0.0	0.0	142,0,0	18	0.12	0.0	0.0	148,0,0
318	ok	126	0.23	0.0	0.0	145,0,0	181	0.21	0.0	0.0	145,0,0
		19	0.14	0.0	0.0	119,0,0	16	0.07	0.0	0.0	119,0,0
319	ok	181	0.21	0.0	0.0	143,0,0	182	0.16	0.0	0.0	141,0,0
		11	0.14	0.0	0.0	119,0,0	19	0.14	0.0	0.0	119,0,0
320	ok	124	0.26	0.0	0.0	118,0,0	214	0.16	0.0	0.0	118,0,0
		20	0.09	0.0	0.0	118,0,0	10	0.14	0.0	0.0	118,0,0
321	ok	214	0.09	0.0	0.0	117,0,0	215	0.06	0.0	0.0	117,0,0
		21	0.07	0.0	0.0	122,0,0	20	0.09	0.0	0.0	122,0,0
322	ok	215	0.05	0.0	0.0	117,0,0	216	0.04	0.0	0.0	133,0,0

		22	0.08	0.0	0.0	133,0,0	21	0.07	0.0	0.0	143,0,0
323	ok	216	0.04	0.0	0.0	143,0,0	217	0.05	0.0	0.0	123,0,0
		23	0.07	0.0	0.0	133,0,0	22	0.08	0.0	0.0	143,0,0
324	ok	217	0.06	0.0	0.0	123,0,0	218	0.09	0.0	0.0	123,0,0
		13	0.09	0.0	0.0	120,0,0	23	0.07	0.0	0.0	120,0,0
325	ok	151	0.16	0.0	0.0	118,0,0	185	0.19	0.0	0.0	121,0,0
		24	0.17	0.0	0.0	146,0,0	12	0.27	0.0	0.0	141,0,0
326	ok	185	0.16	0.0	0.0	135,0,0	186	0.21	0.0	0.0	133,0,0
		15	0.14	0.0	0.0	121,0,0	24	0.14	0.0	0.0	121,0,0
327	ok	145	0.23	0.0	0.0	139,0,0	183	0.20	0.0	0.0	128,0,0
		25	0.14	0.0	0.0	136,0,0	14	0.07	0.0	0.0	136,0,0
328	ok	183	0.22	0.0	0.0	119,0,0	184	0.15	0.0	0.0	120,0,0
		9	0.12	0.0	0.0	138,0,0	25	0.11	0.0	0.0	136,0,0
329	ok	178	0.19	0.0	0.0	127,0,0	143	0.10	0.0	0.0	127,0,0
		29	0.08	0.0	0.0	128,0,0	37	0.01	0.0	0.0	131,0,0
330	ok	176	0.16	0.0	0.0	128,0,0	114	0.11	0.0	0.0	127,0,0
		28	0.06	0.0	0.0	130,0,0	35	0.02	0.0	0.0	140,0,0
331	ok	213	0.04	0.0	0.0	130,0,0	146	0.14	0.0	0.0	131,0,0
		31	0.02	0.0	0.0	138,0,0	44	0.05	0.0	0.0	130,0,0
332	ok	180	0.09	0.0	0.0	129,0,0	144	0.13	0.0	0.0	139,0,0
		30	0.02	0.0	0.0	137,0,0	39	0.05	0.0	0.0	126,0,0
333	ok	172	0.11	0.0	0.0	129,0,0	112	0.13	0.0	0.0	147,0,0
		27	0.02	0.0	0.0	148,0,0	33	0.06	0.0	0.0	129,0,0
334	ok	110	0.10	0.0	0.0	129,0,0	171	0.19	0.0	0.0	129,0,0
		32	0.01	0.0	0.0	125,0,0	26	0.08	0.0	0.0	130,0,0
335	ok	171	0.11	0.0	0.0	129,0,0	172	0.10	0.0	0.0	125,0,0
		33	0.10	0.0	0.0	129,0,0	32	0.04	0.0	0.0	129,0,0
336	ok	112	0.13	0.0	0.0	145,0,0	175	0.09	0.0	0.0	127,0,0
		34	0.05	0.0	0.0	132,0,0	27	0.02	0.0	0.0	147,0,0
337	ok	175	0.10	0.0	0.0	132,0,0	176	0.11	0.0	0.0	132,0,0
		35	0.03	0.0	0.0	128,0,0	34	0.07	0.0	0.0	127,0,0
338	ok	114	0.14	0.0	0.0	125,0,0	209	0.04	0.0	0.0	128,0,0
		40	0.05	0.0	0.0	128,0,0	28	0.02	0.0	0.0	148,0,0
339	ok	60	0.02	0.0	0.0	123,0,0	61	0.02	0.0	0.0	117,0,0
		216	0.04	0.0	0.0	118,0,0	215	0.05	0.0	0.0	122,0,0
340	ok	61	0.02	0.0	0.0	123,0,0	62	0.02	0.0	0.0	117,0,0
		217	0.05	0.0	0.0	120,0,0	216	0.04	0.0	0.0	124,0,0
341	ok	62	0.03	0.0	0.0	124,0,0	63	0.11	0.0	0.0	144,0,0
		218	0.10	0.0	0.0	124,0,0	217	0.06	0.0	0.0	120,0,0
342	ok	52	0.10	0.0	0.0	118,0,0	47	0.07	0.0	0.0	121,0,0
		126	0.13	0.0	0.0	148,0,0	174	0.12	0.0	0.0	122,0,0
343	ok	146	0.11	0.0	0.0	129,0,0	179	0.16	0.0	0.0	130,0,0
		38	0.02	0.0	0.0	146,0,0	31	0.06	0.0	0.0	128,0,0
344	ok	179	0.11	0.0	0.0	126,0,0	180	0.10	0.0	0.0	126,0,0
		39	0.07	0.0	0.0	129,0,0	38	0.03	0.0	0.0	130,0,0
345	ok	144	0.13	0.0	0.0	137,0,0	177	0.11	0.0	0.0	127,0,0
		36	0.06	0.0	0.0	127,0,0	30	0.02	0.0	0.0	138,0,0
346	ok	177	0.10	0.0	0.0	131,0,0	178	0.11	0.0	0.0	127,0,0
		37	0.04	0.0	0.0	127,0,0	36	0.10	0.0	0.0	127,0,0
347	ok	247	0.15	0.0	0.0	131,0,0	251	0.21	0.0	0.0	132,0,0
		210	0.18	0.0	0.0	132,0,0	302	0.19	0.0	0.0	132,0,0
348	ok	116	0.14	0.0	0.0	134,0,0	299	0.41	0.0	0.0	126,0,0
		43	0.08	0.0	0.0	127,0,0	289	0.26	0.0	0.0	123,0,0
349	ok	292	0.41	0.0	0.0	132,0,0	147	0.14	0.0	0.0	144,0,0
		291	0.26	0.0	0.0	117,0,0	285	0.08	0.0	0.0	129,0,0
350	ok	116	0.11	0.0	0.0	127,0,0	235	0.38	0.0	0.0	126,0,0
		211	0.23	0.0	0.0	125,0,0	299	0.48	0.0	0.0	125,0,0

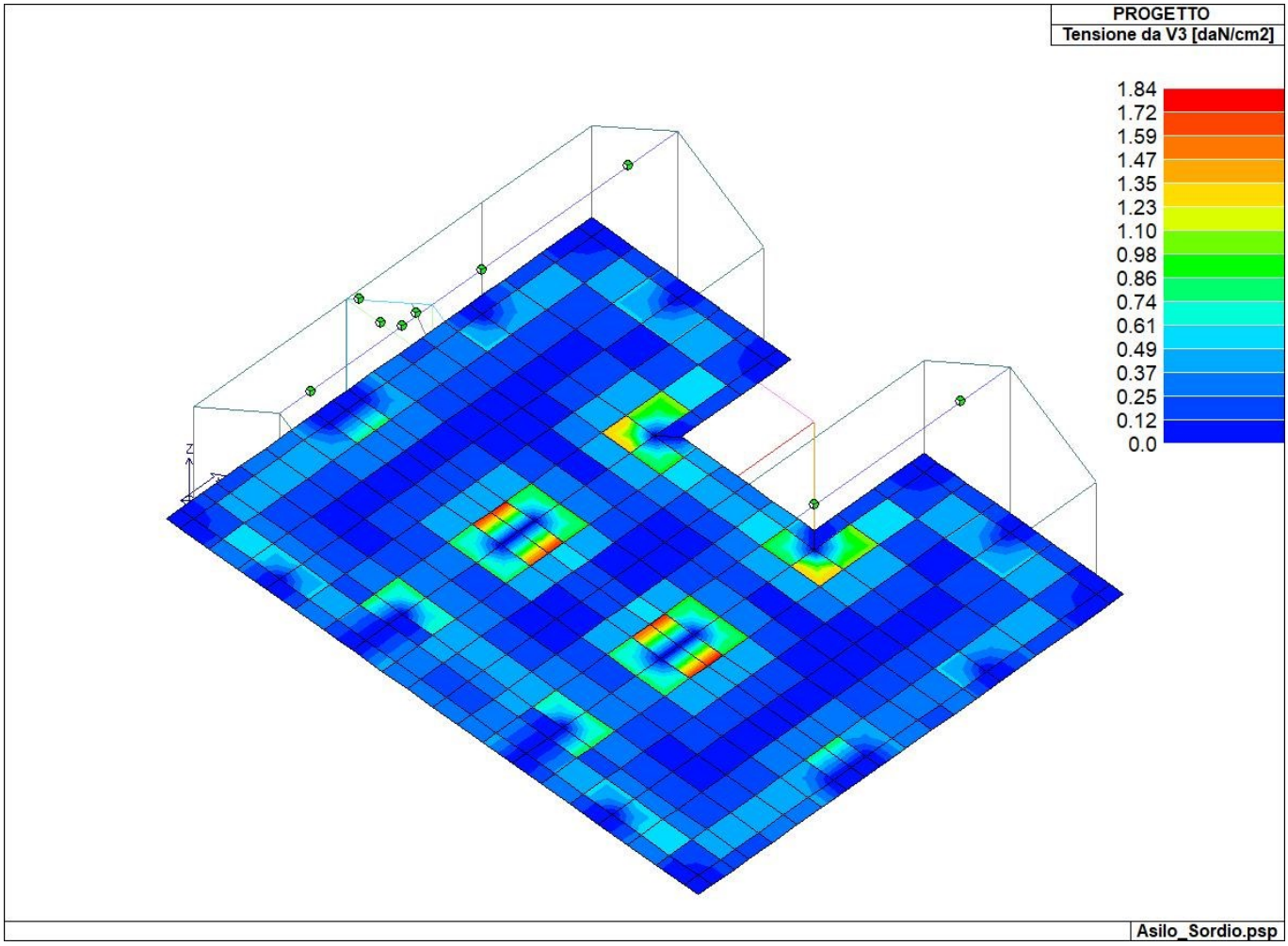
Guscio			**V N/M**	**V V/T cls**	**V V/T acc**			**V N/M**	**V V/T cls**	**V V/T acc**	
			0.69	0.0	0.0						



72_CA_D3_12_Stato verif SLD G



72_CA_D3_13_Verifica NM SE



72_CA_D3_14_Tensione da V3

2.5 CONCLUSIONI

Il valore delle pressioni di progetto sono contenute entro i limiti considerati nella relazione geologica e geotecnica del dott. Geol. Simone Scarabelli, pertano le opere di fondazioni sono verificate sia in termini di portanza che in riguardo ai cedimenti:

- Verifica per portanza: Pressioni terreno: 0,56 daNcm2 < 1,20 daN/cm2
- Verifica per cedimenti: Pressioni terreno: 0,40 daNcm2 < 0,80 daN/cm2