

# **ANEXO A02\_1 MODELO DE CÁLCULO Y RESULTADOS MUROS Y PASARELAS**



# Estación de bombeo Melgar de Yuso

Project Number: 20166

Prepared for  
**C.R. Canal del Pisuerga**

## SAP2000 Analysis Report

Prepared by  
**ATTIS Ingeniería**

**Model Name: 20166-CAL\_VASO\_completo.sdb**

# 1. Model geometry

This section provides model geometry information, including items such as joint coordinates, joint restraints, and element connectivity.

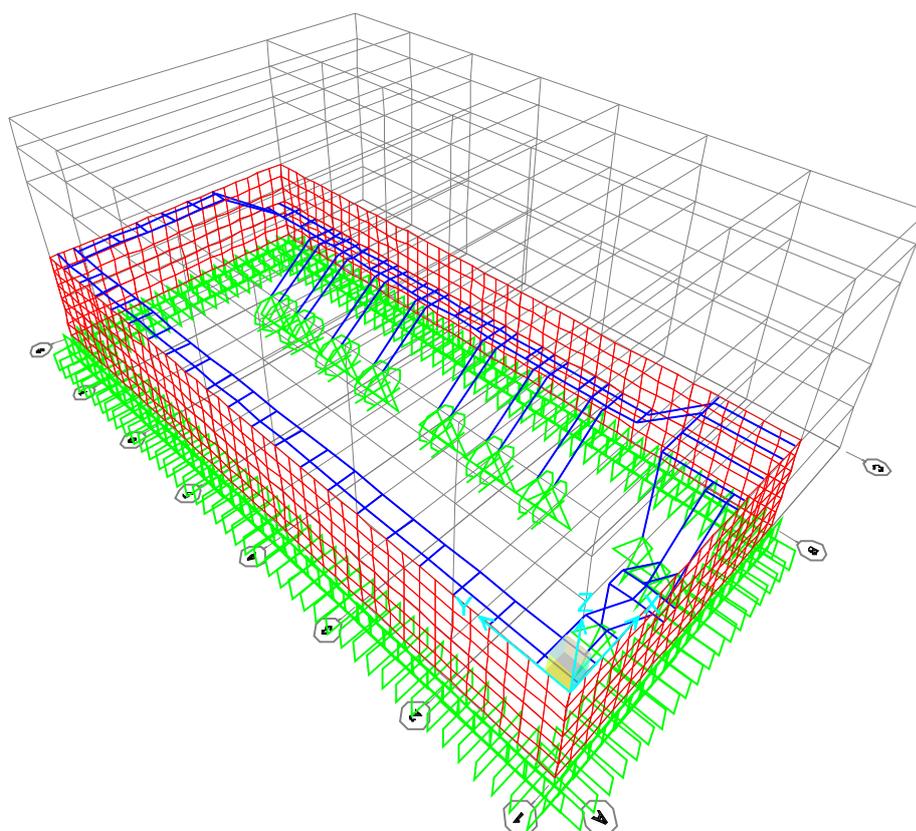


Figure 1: Finite element model

## 1.1. Joint coordinates

Table 1: Joint Coordinates

Table 1: Joint Coordinates										
Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ	
			m	m	m		m	m	m	
1	GLOBAL	Cartesian	5.77667	0.	0.	No	5.77667	0.	0.	
2	GLOBAL	Cartesian	12.18	4.15	0.	Yes	12.18	4.15	0.	
3	GLOBAL	Cartesian	11.5533 3	0.	0.	No	11.5533 3	0.	0.	

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
4	GLOBAL	Cartesian	12.18	0.	0.	Yes	12.18	0.	0.
5	GLOBAL	Cartesian	17.33	4.15	0.	Yes	17.33	4.15	0.
8	GLOBAL	Cartesian	16.83	0.	0.	Yes	16.83	0.	0.
9	GLOBAL	Cartesian	0.	5.59	0.	No	0.	5.59	0.
10	GLOBAL	Cartesian	16.83	4.15	0.	Yes	16.83	4.15	0.
11	GLOBAL	Cartesian	17.33	5.59	0.	No	17.33	5.59	0.
12	GLOBAL	Cartesian	1.5	31.6762 3	0.	No	1.5	31.6762 3	0.
13	GLOBAL	Cartesian	0.	11.18	0.	No	0.	11.18	0.
14	GLOBAL	Cartesian	12.18	4.15	-6.	No	12.18	4.15	-6.
15	GLOBAL	Cartesian	1.5	33.5395 3	0.	No	1.5	33.5395 3	0.
17	GLOBAL	Cartesian	1.5	3.72663	0.	No	1.5	3.72663	0.
18	GLOBAL	Cartesian	1.5	5.58993	0.	No	1.5	5.58993	0.
19	GLOBAL	Cartesian	1.5	7.45323	0.	No	1.5	7.45323	0.
20	GLOBAL	Cartesian	17.33	11.18	0.	No	17.33	11.18	0.
21	GLOBAL	Cartesian	1.5	9.31653	0.	No	1.5	9.31653	0.
22	GLOBAL	Cartesian	1.5	11.1798 3	0.	No	1.5	11.1798 3	0.
23	GLOBAL	Cartesian	1.5	13.0431 3	0.	No	1.5	13.0431 3	0.
24	GLOBAL	Cartesian	1.5	14.9064 3	0.	No	1.5	14.9064 3	0.
25	GLOBAL	Cartesian	1.5	16.7697 3	0.	No	1.5	16.7697 3	0.
26	GLOBAL	Cartesian	1.5	18.6330 3	0.	No	1.5	18.6330 3	0.
27	GLOBAL	Cartesian	1.5	20.4963 3	0.	No	1.5	20.4963 3	0.
28	GLOBAL	Cartesian	1.5	22.3596 3	0.	No	1.5	22.3596 3	0.
29	GLOBAL	Cartesian	1.5	24.2229 3	0.	No	1.5	24.2229 3	0.
30	GLOBAL	Cartesian	1.5	26.0862 3	0.	No	1.5	26.0862 3	0.
31	GLOBAL	Cartesian	1.5	27.9495 3	0.	No	1.5	27.9495 3	0.
32	GLOBAL	Cartesian	1.5	29.8128 3	0.	No	1.5	29.8128 3	0.
33	GLOBAL	Cartesian	0.	16.77	0.	No	0.	16.77	0.
34	GLOBAL	Cartesian	1.5	35.4028 3	0.	No	1.5	35.4028 3	0.
35	GLOBAL	Cartesian	1.5	37.2661 3	0.	No	1.5	37.2661 3	0.
36	GLOBAL	Cartesian	5.77667	37.63	0.	Yes	5.77667	37.63	0.
37	GLOBAL	Cartesian	7.70222	37.63	0.	Yes	7.70222	37.63	0.
38	GLOBAL	Cartesian	3.85111	37.63	0.	Yes	3.85111	37.63	0.
39	GLOBAL	Cartesian	15.83	37.2666 7	0.	Yes	15.83	37.2666 7	0.
40	GLOBAL	Cartesian	15.83	35.4033 7	0.	Yes	15.83	35.4033 7	0.
41	GLOBAL	Cartesian	15.83	33.5400 7	-3.	Yes	15.83	33.5400 7	-3.
42	GLOBAL	Cartesian	15.83	31.6767 7	-3.	Yes	15.83	31.6767 7	-3.
43	GLOBAL	Cartesian	15.83	29.8134 7	-3.	Yes	15.83	29.8134 7	-3.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
44	GLOBAL	Cartesian	15.83	27.95017	-3.	Yes	15.83	27.95017	-3.
45	GLOBAL	Cartesian	15.83	26.08687	-3.	Yes	15.83	26.08687	-3.
46	GLOBAL	Cartesian	15.83	24.22357	-3.	Yes	15.83	24.22357	-3.
47	GLOBAL	Cartesian	15.83	22.36027	-3.	Yes	15.83	22.36027	-3.
48	GLOBAL	Cartesian	0.	22.36	0.	No	0.	22.36	0.
49	GLOBAL	Cartesian	15.83	20.49697	-3.	Yes	15.83	20.49697	-3.
50	GLOBAL	Cartesian	17.33	22.36	0.	No	17.33	22.36	0.
51	GLOBAL	Cartesian	15.83	18.63367	-3.	Yes	15.83	18.63367	-3.
52	GLOBAL	Cartesian	15.83	16.77037	-3.	Yes	15.83	16.77037	-3.
53	GLOBAL	Cartesian	15.83	14.90707	-3.	Yes	15.83	14.90707	-3.
54	GLOBAL	Cartesian	15.83	13.04377	-3.	Yes	15.83	13.04377	-3.
55	GLOBAL	Cartesian	15.83	11.18047	-3.	Yes	15.83	11.18047	-3.
56	GLOBAL	Cartesian	15.83	9.31717	-3.	Yes	15.83	9.31717	-3.
57	GLOBAL	Cartesian	15.33	9.31717	-3.	Yes	15.33	9.31717	-3.
58	GLOBAL	Cartesian	15.61333	4.15	0.	No	15.61333	4.15	0.
59	GLOBAL	Cartesian	9.62782	37.63	0.	Yes	9.62782	37.63	0.
60	GLOBAL	Cartesian	11.55342	37.63	0.	Yes	11.55342	37.63	0.
61	GLOBAL	Cartesian	13.89667	4.15	0.	No	13.89667	4.15	0.
62	GLOBAL	Cartesian	15.61333	0.	0.	No	15.61333	0.	0.
63	GLOBAL	Cartesian	0.	27.95	0.	No	0.	27.95	0.
64	GLOBAL	Cartesian	13.89663	0.	0.	No	13.89663	0.	0.
65	GLOBAL	Cartesian	17.33	27.95	0.	No	17.33	27.95	0.
67	GLOBAL	Cartesian	15.83	7.45387	-3.	No	15.83	7.45387	-3.
70	GLOBAL	Cartesian	15.83	4.15	0.	No	15.83	4.15	0.
75	GLOBAL	Cartesian	15.33	10.24887	-3.	Yes	15.33	10.24887	-3.
76	GLOBAL	Cartesian	1.5	39.12943	0.	Yes	1.5	39.12943	0.
77	GLOBAL	Cartesian	1.5	37.63	0.	No	1.5	37.63	0.
78	GLOBAL	Cartesian	0.	33.54	0.	No	0.	33.54	0.
79	GLOBAL	Cartesian	15.83	39.12997	0.	Yes	15.83	39.12997	0.
80	GLOBAL	Cartesian	17.33	33.54	0.	No	17.33	33.54	0.
81	GLOBAL	Cartesian	15.83	37.63	-3.	No	15.83	37.63	-3.
82	GLOBAL	Cartesian	12.18	1.5	0.	Yes	12.18	1.5	0.
83	GLOBAL	Cartesian	1.5	3.333E-05	0.	Yes	1.5	3.333E-05	0.
84	GLOBAL	Cartesian	15.83	10.24873	-3.	No	15.83	10.24873	-3.
86	GLOBAL	Cartesian	16.83	10.24847	-3.	No	16.83	10.24847	-3.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
87	GLOBAL	Cartesian	15.33	13.0438 7	-3.	No	15.33	13.0438 7	-3.
88	GLOBAL	Cartesian	15.33	13.9755 7	-3.	No	15.33	13.9755 7	-3.
89	GLOBAL	Cartesian	15.83	13.9754 3	-3.	No	15.83	13.9754 3	-3.
90	GLOBAL	Cartesian	2.88833	1.5	0.	No	2.88833	1.5	0.
91	GLOBAL	Cartesian	6.73944	1.5	-3.	No	6.73944	1.5	-3.
92	GLOBAL	Cartesian	7.70222	1.5	-3.	No	7.70222	1.5	-3.
93	GLOBAL	Cartesian	0.	0.	0.	No	0.	0.	0.
94	GLOBAL	Cartesian	11.5533 3	1.5	0.	No	11.5533 3	1.5	0.
95	GLOBAL	Cartesian	17.33	0.	0.	No	17.33	0.	0.
98	GLOBAL	Cartesian	16.83	13.9751 7	-3.	No	16.83	13.9751 7	-3.
99	GLOBAL	Cartesian	15.33	16.7705 7	-3.	No	15.33	16.7705 7	-3.
100	GLOBAL	Cartesian	15.33	17.7022 7	-3.	No	15.33	17.7022 7	-3.
101	GLOBAL	Cartesian	15.83	17.7021 3	-3.	No	15.83	17.7021 3	-3.
103	GLOBAL	Cartesian	16.83	17.7018 7	-3.	No	16.83	17.7018 7	-3.
107	GLOBAL	Cartesian	0.	39.13	0.	No	0.	39.13	0.
109	GLOBAL	Cartesian	17.33	39.13	0.	No	17.33	39.13	0.
120	GLOBAL	Cartesian	15.33	22.3605 7	-3.	No	15.33	22.3605 7	-3.
121	GLOBAL	Cartesian	15.33	23.2922 7	-3.	No	15.33	23.2922 7	-3.
123	GLOBAL	Cartesian	15.83	23.2921 3	-3.	No	15.83	23.2921 3	-3.
124	GLOBAL	Cartesian	16.83	9.31717	-3.	No	16.83	9.31717	-3.
125	GLOBAL	Cartesian	5.77667	39.13	0.	No	5.77667	39.13	0.
126	GLOBAL	Cartesian	11.5533 3	39.13	0.	No	11.5533 3	39.13	0.
127	GLOBAL	Cartesian	16.83	11.1804 7	-3.	No	16.83	11.1804 7	-3.
128	GLOBAL	Cartesian	16.83	13.0437 7	-3.	No	16.83	13.0437 7	-3.
129	GLOBAL	Cartesian	16.83	14.9070 7	-3.	No	16.83	14.9070 7	-3.
130	GLOBAL	Cartesian	16.83	16.7703 7	-3.	No	16.83	16.7703 7	-3.
131	GLOBAL	Cartesian	16.83	18.6336 7	-3.	No	16.83	18.6336 7	-3.
132	GLOBAL	Cartesian	16.83	20.4969 7	-3.	No	16.83	20.4969 7	-3.
133	GLOBAL	Cartesian	16.83	22.3602 7	-3.	No	16.83	22.3602 7	-3.
134	GLOBAL	Cartesian	16.83	24.2235 7	-3.	No	16.83	24.2235 7	-3.
135	GLOBAL	Cartesian	16.83	26.0868 7	-3.	No	16.83	26.0868 7	-3.
136	GLOBAL	Cartesian	16.83	27.9501 7	-3.	No	16.83	27.9501 7	-3.
137	GLOBAL	Cartesian	16.83	29.8134 7	-3.	No	16.83	29.8134 7	-3.

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Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
138	GLOBAL	Cartesian	16.83	31.6767 7	-3.	No	16.83	31.6767 7	-3.
139	GLOBAL	Cartesian	16.83	33.5400 7	-3.	No	16.83	33.5400 7	-3.
141	GLOBAL	Cartesian	16.83	23.2918 7	-3.	No	16.83	23.2918 7	-3.
142	GLOBAL	Cartesian	16.83	7.45387	-3.	No	16.83	7.45387	-3.
143	GLOBAL	Cartesian	15.33	26.0872 7	-3.	No	15.33	26.0872 7	-3.
147	GLOBAL	Cartesian	17.33	16.77	0.	No	17.33	16.77	0.
151	GLOBAL	Cartesian	11.5534 2	38.63	0.	No	11.5534 2	38.63	0.
152	GLOBAL	Cartesian	9.62782	38.63	0.	No	9.62782	38.63	0.
153	GLOBAL	Cartesian	7.70222	38.63	0.	No	7.70222	38.63	0.
154	GLOBAL	Cartesian	5.77667	38.63	0.	No	5.77667	38.63	0.
155	GLOBAL	Cartesian	3.85111	38.63	0.	No	3.85111	38.63	0.
156	GLOBAL	Cartesian	1.5	38.63	0.	No	1.5	38.63	0.
177	GLOBAL	Cartesian	15.33	27.0189 7	-3.	No	15.33	27.0189 7	-3.
180	GLOBAL	Cartesian	0.5	3.72663	0.	No	0.5	3.72663	0.
181	GLOBAL	Cartesian	0.5	5.58993	0.	No	0.5	5.58993	0.
182	GLOBAL	Cartesian	0.5	7.45323	0.	No	0.5	7.45323	0.
183	GLOBAL	Cartesian	0.5	9.31653	0.	No	0.5	9.31653	0.
184	GLOBAL	Cartesian	0.5	11.1798 3	0.	No	0.5	11.1798 3	0.
185	GLOBAL	Cartesian	0.5	13.0431 3	0.	No	0.5	13.0431 3	0.
186	GLOBAL	Cartesian	0.5	14.9064 3	0.	No	0.5	14.9064 3	0.
187	GLOBAL	Cartesian	0.5	16.7697 3	0.	No	0.5	16.7697 3	0.
188	GLOBAL	Cartesian	0.5	18.6330 3	0.	No	0.5	18.6330 3	0.
189	GLOBAL	Cartesian	0.5	20.4963 3	0.	No	0.5	20.4963 3	0.
190	GLOBAL	Cartesian	0.5	22.3596 3	0.	No	0.5	22.3596 3	0.
191	GLOBAL	Cartesian	0.5	24.2229 3	0.	No	0.5	24.2229 3	0.
192	GLOBAL	Cartesian	0.5	26.0862 3	0.	No	0.5	26.0862 3	0.
193	GLOBAL	Cartesian	0.5	27.9495 3	0.	No	0.5	27.9495 3	0.
194	GLOBAL	Cartesian	0.5	29.8128 3	0.	No	0.5	29.8128 3	0.
195	GLOBAL	Cartesian	0.5	31.6762 3	0.	No	0.5	31.6762 3	0.
196	GLOBAL	Cartesian	0.5	33.5395 3	0.	No	0.5	33.5395 3	0.
197	GLOBAL	Cartesian	0.5	35.4028 3	0.	No	0.5	35.4028 3	0.
198	GLOBAL	Cartesian	0.5	37.2661 3	0.	No	0.5	37.2661 3	0.
199	GLOBAL	Cartesian	-9.537E- 07	39.13	-6.	No	-9.537E- 07	39.13	-6.
200	GLOBAL	Cartesian	5.77667	39.13	-6.	No	5.77667	39.13	-6.
201	GLOBAL	Cartesian	11.5533 4	39.13	-6.	No	11.5533 4	39.13	-6.

**Table 1: Joint Coordinates**

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
202	GLOBAL	Cartesian	17.33	39.13	-6.	No	17.33	39.13	-6.
203	GLOBAL	Cartesian	0.5	39.1294 3	0.	No	0.5	39.1294 3	0.
204	GLOBAL	Cartesian	-1.907E- 06	0.	-6.	No	-1.907E- 06	0.	-6.
205	GLOBAL	Cartesian	0.5	3.333E-0 5	0.	No	0.5	3.333E-0 5	0.
206	GLOBAL	Cartesian	15.83	27.0188 3	-3.	No	15.83	27.0188 3	-3.
208	GLOBAL	Cartesian	2.88833	0.5	0.	No	2.88833	0.5	0.
209	GLOBAL	Cartesian	1.5	0.5	0.	No	1.5	0.5	0.
212	GLOBAL	Cartesian	12.18	0.5	0.	No	12.18	0.5	0.
213	GLOBAL	Cartesian	11.5533 3	0.5	0.	No	11.5533 3	0.5	0.
214	GLOBAL	Cartesian	6.73944	0.5	-3.	No	6.73944	0.5	-3.
215	GLOBAL	Cartesian	5.77667	0.	-6.	No	5.77667	0.	-6.
216	GLOBAL	Cartesian	11.5533 3	0.	-6.	No	11.5533 3	0.	-6.
217	GLOBAL	Cartesian	17.33	0.	-6.	No	17.33	0.	-6.
218	GLOBAL	Cartesian	7.70222	0.5	-3.	No	7.70222	0.5	-3.
219	GLOBAL	Cartesian	17.33	5.59	-6.	No	17.33	5.59	-6.
220	GLOBAL	Cartesian	17.33	11.18	-6.	No	17.33	11.18	-6.
221	GLOBAL	Cartesian	15.83	38.63	-3.	No	15.83	38.63	-3.
222	GLOBAL	Cartesian	17.33	16.77	-6.	No	17.33	16.77	-6.
223	GLOBAL	Cartesian	17.33	22.36	-6.	No	17.33	22.36	-6.
224	GLOBAL	Cartesian	17.33	27.95	-6.	No	17.33	27.95	-6.
225	GLOBAL	Cartesian	17.33	33.54	-6.	No	17.33	33.54	-6.
226	GLOBAL	Cartesian	0.	5.59	-6.	No	0.	5.59	-6.
227	GLOBAL	Cartesian	0.	11.18	-6.	No	0.	11.18	-6.
228	GLOBAL	Cartesian	0.	16.77	-6.	No	0.	16.77	-6.
229	GLOBAL	Cartesian	0.	22.36	-6.	No	0.	22.36	-6.
230	GLOBAL	Cartesian	0.	27.95	-6.	No	0.	27.95	-6.
231	GLOBAL	Cartesian	0.	33.54	-6.	No	0.	33.54	-6.
232	GLOBAL	Cartesian	0.96278	39.13	-6.	No	0.96278	39.13	-6.
233	GLOBAL	Cartesian	0.96278	39.13	-5.	No	0.96278	39.13	-5.
234	GLOBAL	Cartesian	-7.947E- 07	39.13	-5.	No	-7.947E- 07	39.13	-5.
235	GLOBAL	Cartesian	0.96278	39.13	-4.	No	0.96278	39.13	-4.
236	GLOBAL	Cartesian	-6.358E- 07	39.13	-4.	No	-6.358E- 07	39.13	-4.
237	GLOBAL	Cartesian	0.96278	39.13	-3.	No	0.96278	39.13	-3.
238	GLOBAL	Cartesian	-4.768E- 07	39.13	-3.	No	-4.768E- 07	39.13	-3.
239	GLOBAL	Cartesian	0.96278	39.13	-2.	No	0.96278	39.13	-2.
240	GLOBAL	Cartesian	-3.179E- 07	39.13	-2.	No	-3.179E- 07	39.13	-2.
241	GLOBAL	Cartesian	0.96278	39.13	-1.	No	0.96278	39.13	-1.
242	GLOBAL	Cartesian	-1.589E- 07	39.13	-1.	No	-1.589E- 07	39.13	-1.
243	GLOBAL	Cartesian	0.96278	39.13	0.	No	0.96278	39.13	0.
244	GLOBAL	Cartesian	1.92555	39.13	-6.	No	1.92555	39.13	-6.
245	GLOBAL	Cartesian	1.92555	39.13	-5.	No	1.92555	39.13	-5.
246	GLOBAL	Cartesian	1.92556	39.13	-4.	No	1.92556	39.13	-4.
247	GLOBAL	Cartesian	1.92556	39.13	-3.	No	1.92556	39.13	-3.
248	GLOBAL	Cartesian	1.92556	39.13	-2.	No	1.92556	39.13	-2.

1. Model geometry

11 mayo 2021

**Table 1: Joint Coordinates**

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
249	GLOBAL	Cartesian	1.92556	39.13	-1.	No	1.92556	39.13	-1.
250	GLOBAL	Cartesian	1.92556	39.13	0.	No	1.92556	39.13	0.
251	GLOBAL	Cartesian	2.88833	39.13	-6.	No	2.88833	39.13	-6.
252	GLOBAL	Cartesian	2.88833	39.13	-5.	No	2.88833	39.13	-5.
253	GLOBAL	Cartesian	2.88833	39.13	-4.	No	2.88833	39.13	-4.
254	GLOBAL	Cartesian	2.88833	39.13	-3.	No	2.88833	39.13	-3.
255	GLOBAL	Cartesian	2.88833	39.13	-2.	No	2.88833	39.13	-2.
256	GLOBAL	Cartesian	2.88833	39.13	-1.	No	2.88833	39.13	-1.
257	GLOBAL	Cartesian	2.88833	39.13	0.	No	2.88833	39.13	0.
258	GLOBAL	Cartesian	3.85111	39.13	-6.	No	3.85111	39.13	-6.
259	GLOBAL	Cartesian	3.85111	39.13	-5.	No	3.85111	39.13	-5.
260	GLOBAL	Cartesian	3.85111	39.13	-4.	No	3.85111	39.13	-4.
261	GLOBAL	Cartesian	3.85111	39.13	-3.	No	3.85111	39.13	-3.
262	GLOBAL	Cartesian	3.85111	39.13	-2.	No	3.85111	39.13	-2.
263	GLOBAL	Cartesian	3.85111	39.13	-1.	No	3.85111	39.13	-1.
264	GLOBAL	Cartesian	3.85111	39.13	0.	No	3.85111	39.13	0.
265	GLOBAL	Cartesian	4.81389	39.13	-6.	No	4.81389	39.13	-6.
266	GLOBAL	Cartesian	4.81389	39.13	-5.	No	4.81389	39.13	-5.
267	GLOBAL	Cartesian	4.81389	39.13	-4.	No	4.81389	39.13	-4.
268	GLOBAL	Cartesian	4.81389	39.13	-3.	No	4.81389	39.13	-3.
269	GLOBAL	Cartesian	4.81389	39.13	-2.	No	4.81389	39.13	-2.
270	GLOBAL	Cartesian	4.81389	39.13	-1.	No	4.81389	39.13	-1.
271	GLOBAL	Cartesian	4.81389	39.13	0.	No	4.81389	39.13	0.
272	GLOBAL	Cartesian	5.77667	39.13	-5.	No	5.77667	39.13	-5.
273	GLOBAL	Cartesian	5.77667	39.13	-4.	No	5.77667	39.13	-4.
274	GLOBAL	Cartesian	5.77667	39.13	-3.	No	5.77667	39.13	-3.
275	GLOBAL	Cartesian	5.77667	39.13	-2.	No	5.77667	39.13	-2.
276	GLOBAL	Cartesian	5.77667	39.13	-1.	No	5.77667	39.13	-1.
277	GLOBAL	Cartesian	6.73944	39.13	-6.	No	6.73944	39.13	-6.
278	GLOBAL	Cartesian	6.73944	39.13	-5.	No	6.73944	39.13	-5.
279	GLOBAL	Cartesian	6.73944	39.13	-4.	No	6.73944	39.13	-4.
280	GLOBAL	Cartesian	6.73944	39.13	-3.	No	6.73944	39.13	-3.
281	GLOBAL	Cartesian	6.73944	39.13	-2.	No	6.73944	39.13	-2.
282	GLOBAL	Cartesian	6.73944	39.13	-1.	No	6.73944	39.13	-1.
283	GLOBAL	Cartesian	6.73944	39.13	0.	No	6.73944	39.13	0.
284	GLOBAL	Cartesian	7.70222	39.13	-6.	No	7.70222	39.13	-6.
285	GLOBAL	Cartesian	7.70222	39.13	-5.	No	7.70222	39.13	-5.
286	GLOBAL	Cartesian	7.70222	39.13	-4.	No	7.70222	39.13	-4.
287	GLOBAL	Cartesian	7.70222	39.13	-3.	No	7.70222	39.13	-3.
288	GLOBAL	Cartesian	7.70222	39.13	-2.	No	7.70222	39.13	-2.
289	GLOBAL	Cartesian	7.70222	39.13	-1.	No	7.70222	39.13	-1.
290	GLOBAL	Cartesian	7.70222	39.13	0.	No	7.70222	39.13	0.
291	GLOBAL	Cartesian	8.665	39.13	-6.	No	8.665	39.13	-6.
292	GLOBAL	Cartesian	8.665	39.13	-5.	No	8.665	39.13	-5.
293	GLOBAL	Cartesian	8.665	39.13	-4.	No	8.665	39.13	-4.
294	GLOBAL	Cartesian	8.665	39.13	-3.	No	8.665	39.13	-3.
295	GLOBAL	Cartesian	8.665	39.13	-2.	No	8.665	39.13	-2.
296	GLOBAL	Cartesian	8.665	39.13	-1.	No	8.665	39.13	-1.
297	GLOBAL	Cartesian	8.665	39.13	0.	No	8.665	39.13	0.
298	GLOBAL	Cartesian	9.62778	39.13	-6.	No	9.62778	39.13	-6.
299	GLOBAL	Cartesian	9.62778	39.13	-5.	No	9.62778	39.13	-5.
300	GLOBAL	Cartesian	9.62778	39.13	-4.	No	9.62778	39.13	-4.
301	GLOBAL	Cartesian	9.62778	39.13	-3.	No	9.62778	39.13	-3.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
302	GLOBAL	Cartesian	9.62778	39.13	-2.	No	9.62778	39.13	-2.
303	GLOBAL	Cartesian	9.62778	39.13	-1.	No	9.62778	39.13	-1.
304	GLOBAL	Cartesian	9.62778	39.13	0.	No	9.62778	39.13	0.
305	GLOBAL	Cartesian	10.5905 6	39.13	-6.	No	10.5905 6	39.13	-6.
306	GLOBAL	Cartesian	10.5905 6	39.13	-5.	No	10.5905 6	39.13	-5.
307	GLOBAL	Cartesian	10.5905 6	39.13	-4.	No	10.5905 6	39.13	-4.
308	GLOBAL	Cartesian	10.5905 6	39.13	-3.	No	10.5905 6	39.13	-3.
309	GLOBAL	Cartesian	10.5905 6	39.13	-2.	No	10.5905 6	39.13	-2.
310	GLOBAL	Cartesian	10.5905 6	39.13	-1.	No	10.5905 6	39.13	-1.
311	GLOBAL	Cartesian	10.5905 6	39.13	0.	No	10.5905 6	39.13	0.
312	GLOBAL	Cartesian	11.5533 3	39.13	-5.	No	11.5533 3	39.13	-5.
313	GLOBAL	Cartesian	11.5533 3	39.13	-4.	No	11.5533 3	39.13	-4.
314	GLOBAL	Cartesian	11.5533 3	39.13	-3.	No	11.5533 3	39.13	-3.
315	GLOBAL	Cartesian	11.5533 3	39.13	-2.	No	11.5533 3	39.13	-2.
316	GLOBAL	Cartesian	11.5533 3	39.13	-1.	No	11.5533 3	39.13	-1.
317	GLOBAL	Cartesian	12.5161 1	39.13	-6.	No	12.5161 1	39.13	-6.
318	GLOBAL	Cartesian	12.5161 1	39.13	-5.	No	12.5161 1	39.13	-5.
319	GLOBAL	Cartesian	12.5161 1	39.13	-4.	No	12.5161 1	39.13	-4.
320	GLOBAL	Cartesian	12.5161 1	39.13	-3.	No	12.5161 1	39.13	-3.
321	GLOBAL	Cartesian	12.5161 1	39.13	-2.	No	12.5161 1	39.13	-2.
322	GLOBAL	Cartesian	12.5161 1	39.13	-1.	No	12.5161 1	39.13	-1.
323	GLOBAL	Cartesian	12.5161 1	39.13	0.	No	12.5161 1	39.13	0.
324	GLOBAL	Cartesian	13.4788 9	39.13	-6.	No	13.4788 9	39.13	-6.
325	GLOBAL	Cartesian	13.4788 9	39.13	-5.	No	13.4788 9	39.13	-5.
326	GLOBAL	Cartesian	13.4788 9	39.13	-4.	No	13.4788 9	39.13	-4.
327	GLOBAL	Cartesian	13.4788 9	39.13	-3.	No	13.4788 9	39.13	-3.
328	GLOBAL	Cartesian	13.4788 9	39.13	-2.	No	13.4788 9	39.13	-2.
329	GLOBAL	Cartesian	13.4788 9	39.13	-1.	No	13.4788 9	39.13	-1.
330	GLOBAL	Cartesian	13.4788 9	39.13	0.	No	13.4788 9	39.13	0.
331	GLOBAL	Cartesian	14.4416 7	39.13	-6.	No	14.4416 7	39.13	-6.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
332	GLOBAL	Cartesian	14.4416 7	39.13	-5.	No	14.4416 7	39.13	-5.
333	GLOBAL	Cartesian	14.4416 7	39.13	-4.	No	14.4416 7	39.13	-4.
334	GLOBAL	Cartesian	14.4416 7	39.13	-3.	No	14.4416 7	39.13	-3.
335	GLOBAL	Cartesian	14.4416 7	39.13	-2.	No	14.4416 7	39.13	-2.
336	GLOBAL	Cartesian	14.4416 7	39.13	-1.	No	14.4416 7	39.13	-1.
337	GLOBAL	Cartesian	14.4416 7	39.13	0.	No	14.4416 7	39.13	0.
338	GLOBAL	Cartesian	15.4044 5	39.13	-6.	No	15.4044 5	39.13	-6.
339	GLOBAL	Cartesian	15.4044 4	39.13	-5.	No	15.4044 4	39.13	-5.
340	GLOBAL	Cartesian	15.4044 4	39.13	-4.	No	15.4044 4	39.13	-4.
341	GLOBAL	Cartesian	15.4044 4	39.13	-3.	No	15.4044 4	39.13	-3.
342	GLOBAL	Cartesian	15.4044 4	39.13	-2.	No	15.4044 4	39.13	-2.
343	GLOBAL	Cartesian	15.4044 4	39.13	-1.	No	15.4044 4	39.13	-1.
344	GLOBAL	Cartesian	15.4044 4	39.13	0.	No	15.4044 4	39.13	0.
345	GLOBAL	Cartesian	16.3672 2	39.13	-6.	No	16.3672 2	39.13	-6.
346	GLOBAL	Cartesian	16.3672 2	39.13	-5.	No	16.3672 2	39.13	-5.
347	GLOBAL	Cartesian	16.3672 2	39.13	-4.	No	16.3672 2	39.13	-4.
348	GLOBAL	Cartesian	16.3672 2	39.13	-3.	No	16.3672 2	39.13	-3.
349	GLOBAL	Cartesian	16.3672 2	39.13	-2.	No	16.3672 2	39.13	-2.
350	GLOBAL	Cartesian	16.3672 2	39.13	-1.	No	16.3672 2	39.13	-1.
351	GLOBAL	Cartesian	16.3672 2	39.13	0.	No	16.3672 2	39.13	0.
352	GLOBAL	Cartesian	17.33	39.13	-5.	No	17.33	39.13	-5.
353	GLOBAL	Cartesian	17.33	39.13	-4.	No	17.33	39.13	-4.
354	GLOBAL	Cartesian	17.33	39.13	-3.	No	17.33	39.13	-3.
355	GLOBAL	Cartesian	17.33	39.13	-2.	No	17.33	39.13	-2.
356	GLOBAL	Cartesian	17.33	39.13	-1.	No	17.33	39.13	-1.
359	GLOBAL	Cartesian	15.83	37.2666 7	-3.	No	15.83	37.2666 7	-3.
360	GLOBAL	Cartesian	15.83	35.4033 7	-3.	No	15.83	35.4033 7	-3.
361	GLOBAL	Cartesian	15.83	39.1299 7	-3.	No	15.83	39.1299 7	-3.
365	GLOBAL	Cartesian	16.83	35.4033 7	-3.	No	16.83	35.4033 7	-3.
366	GLOBAL	Cartesian	16.83	37.2666 7	-3.	No	16.83	37.2666 7	-3.
367	GLOBAL	Cartesian	16.83	39.1299 7	-3.	No	16.83	39.1299 7	-3.
368	GLOBAL	Cartesian	6.73944	2.7	-3.	No	6.73944	2.7	-3.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
369	GLOBAL	Cartesian	7.70222	2.7	-3.	No	7.70222	2.7	-3.
370	GLOBAL	Cartesian	11.5022 2	2.7	-6.	No	11.5022 2	2.7	-6.
371	GLOBAL	Cartesian	7.70222	1.7	-3.	No	7.70222	1.7	-3.
372	GLOBAL	Cartesian	11.5022 2	1.7	-6.	No	11.5022 2	1.7	-6.
373	GLOBAL	Cartesian	6.73944	2.7	-6.	No	6.73944	2.7	-6.
374	GLOBAL	Cartesian	1.5	39.13	-1.	No	1.5	39.13	-1.
375	GLOBAL	Cartesian	0.5	39.13	-1.	No	0.5	39.13	-1.
376	GLOBAL	Cartesian	16.83	27.0185 7	-3.	No	16.83	27.0185 7	-3.
377	GLOBAL	Cartesian	15.33	29.8138 7	-3.	No	15.33	29.8138 7	-3.
378	GLOBAL	Cartesian	15.33	30.7455 7	-3.	No	15.33	30.7455 7	-3.
379	GLOBAL	Cartesian	15.83	30.7454 3	-3.	No	15.83	30.7454 3	-3.
381	GLOBAL	Cartesian	16.83	30.7451 7	-3.	No	16.83	30.7451 7	-3.
382	GLOBAL	Cartesian	15.83	32.6087 3	-3.	No	15.83	32.6087 3	-3.
384	GLOBAL	Cartesian	16.83	32.6084 7	-3.	No	16.83	32.6084 7	-3.
385	GLOBAL	Cartesian	15.33	32.6088 7	-3.	No	15.33	32.6088 7	-3.
386	GLOBAL	Cartesian	15.33	33.5405 7	-3.	No	15.33	33.5405 7	-3.
388	GLOBAL	Cartesian	11.53	9.31717	-6.	Yes	11.53	9.31717	-6.
389	GLOBAL	Cartesian	11.53	10.2488 7	-6.	Yes	11.53	10.2488 7	-6.
390	GLOBAL	Cartesian	11.53	13.0438 7	-6.	Yes	11.53	13.0438 7	-6.
391	GLOBAL	Cartesian	11.53	13.9755 7	-6.	Yes	11.53	13.9755 7	-6.
395	GLOBAL	Cartesian	11.53	16.7705 7	-6.	Yes	11.53	16.7705 7	-6.
396	GLOBAL	Cartesian	11.53	17.7022 7	-6.	Yes	11.53	17.7022 7	-6.
397	GLOBAL	Cartesian	11.53	22.3605 7	-6.	Yes	11.53	22.3605 7	-6.
398	GLOBAL	Cartesian	11.53	23.2922 7	-6.	Yes	11.53	23.2922 7	-6.
399	GLOBAL	Cartesian	11.53	26.0872 7	-6.	Yes	11.53	26.0872 7	-6.
400	GLOBAL	Cartesian	11.53	27.0189 7	-6.	Yes	11.53	27.0189 7	-6.
401	GLOBAL	Cartesian	11.53	29.8138 7	-6.	Yes	11.53	29.8138 7	-6.
402	GLOBAL	Cartesian	11.53	30.7455 7	-6.	Yes	11.53	30.7455 7	-6.
403	GLOBAL	Cartesian	11.53	32.6088 7	-6.	Yes	11.53	32.6088 7	-6.
404	GLOBAL	Cartesian	11.53	33.5405 7	-6.	Yes	11.53	33.5405 7	-6.
405	GLOBAL	Cartesian	1.5	1.5	0.	No	1.5	1.5	0.
407	GLOBAL	Cartesian	0.5	1.5	0.	No	0.5	1.5	0.
408	GLOBAL	Cartesian	0.	1.50003	0.	No	0.	1.50003	0.
411	GLOBAL	Cartesian	0.96278	0.	-6.	No	0.96278	0.	-6.

1. Model geometry

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Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
412	GLOBAL	Cartesian	0.96278	0.	-5.	No	0.96278	0.	-5.
413	GLOBAL	Cartesian	-1.589E-06	0.	-5.	No	-1.589E-06	0.	-5.
414	GLOBAL	Cartesian	0.96278	0.	-4.	No	0.96278	0.	-4.
415	GLOBAL	Cartesian	-1.272E-06	0.	-4.	No	-1.272E-06	0.	-4.
416	GLOBAL	Cartesian	0.96278	0.	-3.	No	0.96278	0.	-3.
417	GLOBAL	Cartesian	-9.537E-07	0.	-3.	No	-9.537E-07	0.	-3.
418	GLOBAL	Cartesian	0.96278	0.	-2.	No	0.96278	0.	-2.
419	GLOBAL	Cartesian	-6.358E-07	0.	-2.	No	-6.358E-07	0.	-2.
420	GLOBAL	Cartesian	0.96278	0.	-1.	No	0.96278	0.	-1.
421	GLOBAL	Cartesian	-3.179E-07	0.	-1.	No	-3.179E-07	0.	-1.
422	GLOBAL	Cartesian	0.96278	0.	0.	No	0.96278	0.	0.
423	GLOBAL	Cartesian	1.92555	0.	-6.	No	1.92555	0.	-6.
424	GLOBAL	Cartesian	1.92555	0.	-5.	No	1.92555	0.	-5.
425	GLOBAL	Cartesian	1.92555	0.	-4.	No	1.92555	0.	-4.
426	GLOBAL	Cartesian	1.92555	0.	-3.	No	1.92555	0.	-3.
427	GLOBAL	Cartesian	1.92555	0.	-2.	No	1.92555	0.	-2.
428	GLOBAL	Cartesian	1.92556	0.	-1.	No	1.92556	0.	-1.
429	GLOBAL	Cartesian	1.92556	0.	0.	No	1.92556	0.	0.
430	GLOBAL	Cartesian	2.88833	0.	-6.	No	2.88833	0.	-6.
431	GLOBAL	Cartesian	2.88833	0.	-5.	No	2.88833	0.	-5.
432	GLOBAL	Cartesian	2.88833	0.	-4.	No	2.88833	0.	-4.
433	GLOBAL	Cartesian	2.88833	0.	-3.	No	2.88833	0.	-3.
434	GLOBAL	Cartesian	2.88833	0.	-2.	No	2.88833	0.	-2.
435	GLOBAL	Cartesian	2.88833	0.	-1.	No	2.88833	0.	-1.
436	GLOBAL	Cartesian	2.88833	0.	0.	No	2.88833	0.	0.
437	GLOBAL	Cartesian	3.85111	0.	-6.	No	3.85111	0.	-6.
438	GLOBAL	Cartesian	3.85111	0.	-5.	No	3.85111	0.	-5.
439	GLOBAL	Cartesian	3.85111	0.	-4.	No	3.85111	0.	-4.
440	GLOBAL	Cartesian	3.85111	0.	-3.	No	3.85111	0.	-3.
441	GLOBAL	Cartesian	3.85111	0.	-2.	No	3.85111	0.	-2.
442	GLOBAL	Cartesian	3.85111	0.	-1.	No	3.85111	0.	-1.
443	GLOBAL	Cartesian	3.85111	0.	0.	No	3.85111	0.	0.
444	GLOBAL	Cartesian	4.81389	0.	-6.	No	4.81389	0.	-6.
445	GLOBAL	Cartesian	4.81389	0.	-5.	No	4.81389	0.	-5.
446	GLOBAL	Cartesian	4.81389	0.	-4.	No	4.81389	0.	-4.
447	GLOBAL	Cartesian	4.81389	0.	-3.	No	4.81389	0.	-3.
448	GLOBAL	Cartesian	4.81389	0.	-2.	No	4.81389	0.	-2.
449	GLOBAL	Cartesian	4.81389	0.	-1.	No	4.81389	0.	-1.
450	GLOBAL	Cartesian	4.81389	0.	0.	No	4.81389	0.	0.
451	GLOBAL	Cartesian	5.77667	0.	-5.	No	5.77667	0.	-5.
452	GLOBAL	Cartesian	5.77667	0.	-4.	No	5.77667	0.	-4.
453	GLOBAL	Cartesian	5.77667	0.	-3.	No	5.77667	0.	-3.
454	GLOBAL	Cartesian	5.77667	0.	-2.	No	5.77667	0.	-2.
455	GLOBAL	Cartesian	5.77667	0.	-1.	No	5.77667	0.	-1.
456	GLOBAL	Cartesian	6.73944	0.	-6.	No	6.73944	0.	-6.
457	GLOBAL	Cartesian	6.73944	0.	-5.	No	6.73944	0.	-5.
458	GLOBAL	Cartesian	6.73944	0.	-4.	No	6.73944	0.	-4.
459	GLOBAL	Cartesian	6.73944	0.	-3.	No	6.73944	0.	-3.
460	GLOBAL	Cartesian	6.73944	0.	-2.	No	6.73944	0.	-2.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
461	GLOBAL	Cartesian	6.73944	0.	-1.	No	6.73944	0.	-1.
462	GLOBAL	Cartesian	6.73944	0.	0.	No	6.73944	0.	0.
463	GLOBAL	Cartesian	7.70222	0.	-6.	No	7.70222	0.	-6.
464	GLOBAL	Cartesian	7.70222	0.	-5.	No	7.70222	0.	-5.
465	GLOBAL	Cartesian	7.70222	0.	-4.	No	7.70222	0.	-4.
466	GLOBAL	Cartesian	7.70222	0.	-3.	No	7.70222	0.	-3.
467	GLOBAL	Cartesian	7.70222	0.	-2.	No	7.70222	0.	-2.
468	GLOBAL	Cartesian	7.70222	0.	-1.	No	7.70222	0.	-1.
469	GLOBAL	Cartesian	7.70222	0.	0.	No	7.70222	0.	0.
470	GLOBAL	Cartesian	8.665	0.	-6.	No	8.665	0.	-6.
471	GLOBAL	Cartesian	8.665	0.	-5.	No	8.665	0.	-5.
472	GLOBAL	Cartesian	8.665	0.	-4.	No	8.665	0.	-4.
473	GLOBAL	Cartesian	8.665	0.	-3.	No	8.665	0.	-3.
474	GLOBAL	Cartesian	8.665	0.	-2.	No	8.665	0.	-2.
475	GLOBAL	Cartesian	8.665	0.	-1.	No	8.665	0.	-1.
476	GLOBAL	Cartesian	8.665	0.	0.	No	8.665	0.	0.
477	GLOBAL	Cartesian	9.62778	0.	-6.	No	9.62778	0.	-6.
478	GLOBAL	Cartesian	9.62778	0.	-5.	No	9.62778	0.	-5.
479	GLOBAL	Cartesian	9.62778	0.	-4.	No	9.62778	0.	-4.
480	GLOBAL	Cartesian	9.62778	0.	-3.	No	9.62778	0.	-3.
481	GLOBAL	Cartesian	9.62778	0.	-2.	No	9.62778	0.	-2.
482	GLOBAL	Cartesian	9.62778	0.	-1.	No	9.62778	0.	-1.
483	GLOBAL	Cartesian	9.62778	0.	0.	No	9.62778	0.	0.
484	GLOBAL	Cartesian	10.5905 6	0.	-6.	No	10.5905 6	0.	-6.
485	GLOBAL	Cartesian	10.5905 6	0.	-5.	No	10.5905 6	0.	-5.
486	GLOBAL	Cartesian	10.5905 6	0.	-4.	No	10.5905 6	0.	-4.
487	GLOBAL	Cartesian	10.5905 6	0.	-3.	No	10.5905 6	0.	-3.
488	GLOBAL	Cartesian	10.5905 6	0.	-2.	No	10.5905 6	0.	-2.
489	GLOBAL	Cartesian	10.5905 6	0.	-1.	No	10.5905 6	0.	-1.
490	GLOBAL	Cartesian	10.5905 6	0.	0.	No	10.5905 6	0.	0.
491	GLOBAL	Cartesian	11.5533 3	0.	-5.	No	11.5533 3	0.	-5.
492	GLOBAL	Cartesian	11.5533 3	0.	-4.	No	11.5533 3	0.	-4.
493	GLOBAL	Cartesian	11.5533 3	0.	-3.	No	11.5533 3	0.	-3.
494	GLOBAL	Cartesian	11.5533 3	0.	-2.	No	11.5533 3	0.	-2.
495	GLOBAL	Cartesian	11.5533 3	0.	-1.	No	11.5533 3	0.	-1.
496	GLOBAL	Cartesian	12.5161 1	0.	-6.	No	12.5161 1	0.	-6.
497	GLOBAL	Cartesian	12.5161 1	0.	-5.	No	12.5161 1	0.	-5.
498	GLOBAL	Cartesian	12.5161 1	0.	-4.	No	12.5161 1	0.	-4.
499	GLOBAL	Cartesian	12.5161 1	0.	-3.	No	12.5161 1	0.	-3.
500	GLOBAL	Cartesian	12.5161 1	0.	-2.	No	12.5161 1	0.	-2.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
501	GLOBAL	Cartesian	12.5161 1	0.	-1.	No	12.5161 1	0.	-1.
502	GLOBAL	Cartesian	12.5161 1	0.	0.	No	12.5161 1	0.	0.
503	GLOBAL	Cartesian	13.4788 9	0.	-6.	No	13.4788 9	0.	-6.
504	GLOBAL	Cartesian	13.4788 9	0.	-5.	No	13.4788 9	0.	-5.
505	GLOBAL	Cartesian	13.4788 9	0.	-4.	No	13.4788 9	0.	-4.
506	GLOBAL	Cartesian	13.4788 9	0.	-3.	No	13.4788 9	0.	-3.
507	GLOBAL	Cartesian	13.4788 9	0.	-2.	No	13.4788 9	0.	-2.
508	GLOBAL	Cartesian	13.4788 9	0.	-1.	No	13.4788 9	0.	-1.
509	GLOBAL	Cartesian	13.4788 9	0.	0.	No	13.4788 9	0.	0.
510	GLOBAL	Cartesian	14.4416 7	0.	-6.	No	14.4416 7	0.	-6.
511	GLOBAL	Cartesian	14.4416 7	0.	-5.	No	14.4416 7	0.	-5.
512	GLOBAL	Cartesian	14.4416 7	0.	-4.	No	14.4416 7	0.	-4.
513	GLOBAL	Cartesian	14.4416 7	0.	-3.	No	14.4416 7	0.	-3.
514	GLOBAL	Cartesian	14.4416 7	0.	-2.	No	14.4416 7	0.	-2.
515	GLOBAL	Cartesian	14.4416 7	0.	-1.	No	14.4416 7	0.	-1.
516	GLOBAL	Cartesian	14.4416 7	0.	0.	No	14.4416 7	0.	0.
517	GLOBAL	Cartesian	15.4044 4	0.	-6.	No	15.4044 4	0.	-6.
518	GLOBAL	Cartesian	15.4044 4	0.	-5.	No	15.4044 4	0.	-5.
519	GLOBAL	Cartesian	15.4044 4	0.	-4.	No	15.4044 4	0.	-4.
520	GLOBAL	Cartesian	15.4044 4	0.	-3.	No	15.4044 4	0.	-3.
521	GLOBAL	Cartesian	15.4044 4	0.	-2.	No	15.4044 4	0.	-2.
522	GLOBAL	Cartesian	15.4044 4	0.	-1.	No	15.4044 4	0.	-1.
523	GLOBAL	Cartesian	15.4044 4	0.	0.	No	15.4044 4	0.	0.
524	GLOBAL	Cartesian	16.3672 2	0.	-6.	No	16.3672 2	0.	-6.
525	GLOBAL	Cartesian	16.3672 2	0.	-5.	No	16.3672 2	0.	-5.
526	GLOBAL	Cartesian	16.3672 2	0.	-4.	No	16.3672 2	0.	-4.
527	GLOBAL	Cartesian	16.3672 2	0.	-3.	No	16.3672 2	0.	-3.
528	GLOBAL	Cartesian	16.3672 2	0.	-2.	No	16.3672 2	0.	-2.
529	GLOBAL	Cartesian	16.3672 2	0.	-1.	No	16.3672 2	0.	-1.

**Table 1: Joint Coordinates**

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
530	GLOBAL	Cartesian	16.3672 2	0.	0.	No	16.3672 2	0.	0.
531	GLOBAL	Cartesian	17.33	0.	-5.	No	17.33	0.	-5.
532	GLOBAL	Cartesian	17.33	0.	-4.	No	17.33	0.	-4.
533	GLOBAL	Cartesian	17.33	0.	-3.	No	17.33	0.	-3.
534	GLOBAL	Cartesian	17.33	0.	-2.	No	17.33	0.	-2.
535	GLOBAL	Cartesian	17.33	0.	-1.	No	17.33	0.	-1.
590	GLOBAL	Cartesian	17.33	0.93167	-6.	No	17.33	0.93167	-6.
591	GLOBAL	Cartesian	17.33	0.93167	-5.	No	17.33	0.93167	-5.
592	GLOBAL	Cartesian	17.33	0.93167	-4.	No	17.33	0.93167	-4.
593	GLOBAL	Cartesian	17.33	0.93167	-3.	No	17.33	0.93167	-3.
594	GLOBAL	Cartesian	17.33	0.93167	-2.	No	17.33	0.93167	-2.
595	GLOBAL	Cartesian	17.33	0.93167	-1.	No	17.33	0.93167	-1.
597	GLOBAL	Cartesian	17.33	1.86333	-6.	No	17.33	1.86333	-6.
598	GLOBAL	Cartesian	17.33	1.86333	-5.	No	17.33	1.86333	-5.
599	GLOBAL	Cartesian	17.33	1.86333	-4.	No	17.33	1.86333	-4.
600	GLOBAL	Cartesian	17.33	1.86333	-3.	No	17.33	1.86333	-3.
601	GLOBAL	Cartesian	17.33	1.86333	-2.	No	17.33	1.86333	-2.
602	GLOBAL	Cartesian	17.33	1.86333	-1.	No	17.33	1.86333	-1.
604	GLOBAL	Cartesian	17.33	2.795	-6.	No	17.33	2.795	-6.
605	GLOBAL	Cartesian	17.33	2.795	-5.	No	17.33	2.795	-5.
606	GLOBAL	Cartesian	17.33	2.795	-4.	No	17.33	2.795	-4.
607	GLOBAL	Cartesian	17.33	2.795	-3.	No	17.33	2.795	-3.
608	GLOBAL	Cartesian	17.33	2.795	-2.	No	17.33	2.795	-2.
609	GLOBAL	Cartesian	17.33	2.795	-1.	No	17.33	2.795	-1.
611	GLOBAL	Cartesian	17.33	3.72667	-6.	No	17.33	3.72667	-6.
612	GLOBAL	Cartesian	17.33	3.72667	-5.	No	17.33	3.72667	-5.
613	GLOBAL	Cartesian	17.33	3.72667	-4.	No	17.33	3.72667	-4.
614	GLOBAL	Cartesian	17.33	3.72667	-3.	No	17.33	3.72667	-3.
615	GLOBAL	Cartesian	17.33	3.72667	-2.	No	17.33	3.72667	-2.
616	GLOBAL	Cartesian	17.33	3.72667	-1.	No	17.33	3.72667	-1.
618	GLOBAL	Cartesian	17.33	4.65833	-6.	No	17.33	4.65833	-6.
619	GLOBAL	Cartesian	17.33	4.65833	-5.	No	17.33	4.65833	-5.
620	GLOBAL	Cartesian	17.33	4.65833	-4.	No	17.33	4.65833	-4.
621	GLOBAL	Cartesian	17.33	4.65833	-3.	No	17.33	4.65833	-3.
622	GLOBAL	Cartesian	17.33	4.65833	-2.	No	17.33	4.65833	-2.
623	GLOBAL	Cartesian	17.33	4.65833	-1.	No	17.33	4.65833	-1.
625	GLOBAL	Cartesian	17.33	5.59	-5.	No	17.33	5.59	-5.
626	GLOBAL	Cartesian	17.33	5.59	-4.	No	17.33	5.59	-4.
627	GLOBAL	Cartesian	17.33	5.59	-3.	No	17.33	5.59	-3.
628	GLOBAL	Cartesian	17.33	5.59	-2.	No	17.33	5.59	-2.
629	GLOBAL	Cartesian	17.33	5.59	-1.	No	17.33	5.59	-1.
630	GLOBAL	Cartesian	17.33	6.52167	-6.	No	17.33	6.52167	-6.
631	GLOBAL	Cartesian	17.33	6.52167	-5.	No	17.33	6.52167	-5.
632	GLOBAL	Cartesian	17.33	6.52167	-4.	No	17.33	6.52167	-4.
633	GLOBAL	Cartesian	17.33	6.52167	-3.	No	17.33	6.52167	-3.
634	GLOBAL	Cartesian	17.33	6.52167	-2.	No	17.33	6.52167	-2.
635	GLOBAL	Cartesian	17.33	6.52167	-1.	No	17.33	6.52167	-1.
637	GLOBAL	Cartesian	17.33	7.45333	-6.	No	17.33	7.45333	-6.
638	GLOBAL	Cartesian	17.33	7.45333	-5.	No	17.33	7.45333	-5.
639	GLOBAL	Cartesian	17.33	7.45333	-4.	No	17.33	7.45333	-4.
640	GLOBAL	Cartesian	17.33	7.45333	-3.	No	17.33	7.45333	-3.
641	GLOBAL	Cartesian	17.33	7.45333	-2.	No	17.33	7.45333	-2.
642	GLOBAL	Cartesian	17.33	7.45333	-1.	No	17.33	7.45333	-1.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
644	GLOBAL	Cartesian	17.33	8.385	-6.	No	17.33	8.385	-6.
645	GLOBAL	Cartesian	17.33	8.385	-5.	No	17.33	8.385	-5.
646	GLOBAL	Cartesian	17.33	8.385	-4.	No	17.33	8.385	-4.
647	GLOBAL	Cartesian	17.33	8.385	-3.	No	17.33	8.385	-3.
648	GLOBAL	Cartesian	17.33	8.385	-2.	No	17.33	8.385	-2.
649	GLOBAL	Cartesian	17.33	8.385	-1.	No	17.33	8.385	-1.
651	GLOBAL	Cartesian	17.33	9.31667	-6.	No	17.33	9.31667	-6.
652	GLOBAL	Cartesian	17.33	9.31667	-5.	No	17.33	9.31667	-5.
653	GLOBAL	Cartesian	17.33	9.31667	-4.	No	17.33	9.31667	-4.
654	GLOBAL	Cartesian	17.33	9.31667	-3.	No	17.33	9.31667	-3.
655	GLOBAL	Cartesian	17.33	9.31667	-2.	No	17.33	9.31667	-2.
656	GLOBAL	Cartesian	17.33	9.31667	-1.	No	17.33	9.31667	-1.
658	GLOBAL	Cartesian	17.33	10.2483 3	-6.	No	17.33	10.2483 3	-6.
659	GLOBAL	Cartesian	17.33	10.2483 3	-5.	No	17.33	10.2483 3	-5.
660	GLOBAL	Cartesian	17.33	10.2483 3	-4.	No	17.33	10.2483 3	-4.
661	GLOBAL	Cartesian	17.33	10.2483 3	-3.	No	17.33	10.2483 3	-3.
662	GLOBAL	Cartesian	17.33	10.2483 3	-2.	No	17.33	10.2483 3	-2.
663	GLOBAL	Cartesian	17.33	10.2483 3	-1.	No	17.33	10.2483 3	-1.
665	GLOBAL	Cartesian	17.33	11.18	-5.	No	17.33	11.18	-5.
666	GLOBAL	Cartesian	17.33	11.18	-4.	No	17.33	11.18	-4.
667	GLOBAL	Cartesian	17.33	11.18	-3.	No	17.33	11.18	-3.
668	GLOBAL	Cartesian	17.33	11.18	-2.	No	17.33	11.18	-2.
669	GLOBAL	Cartesian	17.33	11.18	-1.	No	17.33	11.18	-1.
670	GLOBAL	Cartesian	17.33	12.1116 7	-6.	No	17.33	12.1116 7	-6.
671	GLOBAL	Cartesian	17.33	12.1116 7	-5.	No	17.33	12.1116 7	-5.
672	GLOBAL	Cartesian	17.33	12.1116 7	-4.	No	17.33	12.1116 7	-4.
673	GLOBAL	Cartesian	17.33	12.1116 7	-3.	No	17.33	12.1116 7	-3.
674	GLOBAL	Cartesian	17.33	12.1116 7	-2.	No	17.33	12.1116 7	-2.
675	GLOBAL	Cartesian	17.33	12.1116 7	-1.	No	17.33	12.1116 7	-1.
677	GLOBAL	Cartesian	17.33	13.0433 3	-6.	No	17.33	13.0433 3	-6.
678	GLOBAL	Cartesian	17.33	13.0433 3	-5.	No	17.33	13.0433 3	-5.
679	GLOBAL	Cartesian	17.33	13.0433 3	-4.	No	17.33	13.0433 3	-4.
680	GLOBAL	Cartesian	17.33	13.0433 3	-3.	No	17.33	13.0433 3	-3.
681	GLOBAL	Cartesian	17.33	13.0433 3	-2.	No	17.33	13.0433 3	-2.
682	GLOBAL	Cartesian	17.33	13.0433 3	-1.	No	17.33	13.0433 3	-1.
684	GLOBAL	Cartesian	17.33	13.975	-6.	No	17.33	13.975	-6.
685	GLOBAL	Cartesian	17.33	13.975	-5.	No	17.33	13.975	-5.
686	GLOBAL	Cartesian	17.33	13.975	-4.	No	17.33	13.975	-4.
687	GLOBAL	Cartesian	17.33	13.975	-3.	No	17.33	13.975	-3.

1. Model geometry

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**Table 1: Joint Coordinates**

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
688	GLOBAL	Cartesian	17.33	13.975	-2.	No	17.33	13.975	-2.
689	GLOBAL	Cartesian	17.33	13.975	-1.	No	17.33	13.975	-1.
691	GLOBAL	Cartesian	17.33	14.9066 7	-6.	No	17.33	14.9066 7	-6.
692	GLOBAL	Cartesian	17.33	14.9066 7	-5.	No	17.33	14.9066 7	-5.
693	GLOBAL	Cartesian	17.33	14.9066 7	-4.	No	17.33	14.9066 7	-4.
694	GLOBAL	Cartesian	17.33	14.9066 7	-3.	No	17.33	14.9066 7	-3.
695	GLOBAL	Cartesian	17.33	14.9066 7	-2.	No	17.33	14.9066 7	-2.
696	GLOBAL	Cartesian	17.33	14.9066 7	-1.	No	17.33	14.9066 7	-1.
698	GLOBAL	Cartesian	17.33	15.8383 3	-6.	No	17.33	15.8383 3	-6.
699	GLOBAL	Cartesian	17.33	15.8383 3	-5.	No	17.33	15.8383 3	-5.
700	GLOBAL	Cartesian	17.33	15.8383 3	-4.	No	17.33	15.8383 3	-4.
701	GLOBAL	Cartesian	17.33	15.8383 3	-3.	No	17.33	15.8383 3	-3.
702	GLOBAL	Cartesian	17.33	15.8383 3	-2.	No	17.33	15.8383 3	-2.
703	GLOBAL	Cartesian	17.33	15.8383 3	-1.	No	17.33	15.8383 3	-1.
705	GLOBAL	Cartesian	17.33	16.77	-5.	No	17.33	16.77	-5.
706	GLOBAL	Cartesian	17.33	16.77	-4.	No	17.33	16.77	-4.
707	GLOBAL	Cartesian	17.33	16.77	-3.	No	17.33	16.77	-3.
708	GLOBAL	Cartesian	17.33	16.77	-2.	No	17.33	16.77	-2.
709	GLOBAL	Cartesian	17.33	16.77	-1.	No	17.33	16.77	-1.
710	GLOBAL	Cartesian	17.33	17.7016 7	-6.	No	17.33	17.7016 7	-6.
711	GLOBAL	Cartesian	17.33	17.7016 7	-5.	No	17.33	17.7016 7	-5.
712	GLOBAL	Cartesian	17.33	17.7016 7	-4.	No	17.33	17.7016 7	-4.
713	GLOBAL	Cartesian	17.33	17.7016 7	-3.	No	17.33	17.7016 7	-3.
714	GLOBAL	Cartesian	17.33	17.7016 7	-2.	No	17.33	17.7016 7	-2.
715	GLOBAL	Cartesian	17.33	17.7016 7	-1.	No	17.33	17.7016 7	-1.
717	GLOBAL	Cartesian	17.33	18.6333 3	-6.	No	17.33	18.6333 3	-6.
718	GLOBAL	Cartesian	17.33	18.6333 3	-5.	No	17.33	18.6333 3	-5.
719	GLOBAL	Cartesian	17.33	18.6333 3	-4.	No	17.33	18.6333 3	-4.
720	GLOBAL	Cartesian	17.33	18.6333 3	-3.	No	17.33	18.6333 3	-3.
721	GLOBAL	Cartesian	17.33	18.6333 3	-2.	No	17.33	18.6333 3	-2.
722	GLOBAL	Cartesian	17.33	18.6333 3	-1.	No	17.33	18.6333 3	-1.
724	GLOBAL	Cartesian	17.33	19.565	-6.	No	17.33	19.565	-6.
725	GLOBAL	Cartesian	17.33	19.565	-5.	No	17.33	19.565	-5.
726	GLOBAL	Cartesian	17.33	19.565	-4.	No	17.33	19.565	-4.

**Table 1: Joint Coordinates**

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
727	GLOBAL	Cartesian	17.33	19.565	-3.	No	17.33	19.565	-3.
728	GLOBAL	Cartesian	17.33	19.565	-2.	No	17.33	19.565	-2.
729	GLOBAL	Cartesian	17.33	19.565	-1.	No	17.33	19.565	-1.
731	GLOBAL	Cartesian	17.33	20.4966 7	-6.	No	17.33	20.4966 7	-6.
732	GLOBAL	Cartesian	17.33	20.4966 7	-5.	No	17.33	20.4966 7	-5.
733	GLOBAL	Cartesian	17.33	20.4966 7	-4.	No	17.33	20.4966 7	-4.
734	GLOBAL	Cartesian	17.33	20.4966 7	-3.	No	17.33	20.4966 7	-3.
735	GLOBAL	Cartesian	17.33	20.4966 7	-2.	No	17.33	20.4966 7	-2.
736	GLOBAL	Cartesian	17.33	20.4966 7	-1.	No	17.33	20.4966 7	-1.
738	GLOBAL	Cartesian	17.33	21.4283 3	-6.	No	17.33	21.4283 3	-6.
739	GLOBAL	Cartesian	17.33	21.4283 3	-5.	No	17.33	21.4283 3	-5.
740	GLOBAL	Cartesian	17.33	21.4283 3	-4.	No	17.33	21.4283 3	-4.
741	GLOBAL	Cartesian	17.33	21.4283 3	-3.	No	17.33	21.4283 3	-3.
742	GLOBAL	Cartesian	17.33	21.4283 3	-2.	No	17.33	21.4283 3	-2.
743	GLOBAL	Cartesian	17.33	21.4283 3	-1.	No	17.33	21.4283 3	-1.
745	GLOBAL	Cartesian	17.33	22.36	-5.	No	17.33	22.36	-5.
746	GLOBAL	Cartesian	17.33	22.36	-4.	No	17.33	22.36	-4.
747	GLOBAL	Cartesian	17.33	22.36	-3.	No	17.33	22.36	-3.
748	GLOBAL	Cartesian	17.33	22.36	-2.	No	17.33	22.36	-2.
749	GLOBAL	Cartesian	17.33	22.36	-1.	No	17.33	22.36	-1.
750	GLOBAL	Cartesian	17.33	23.2916 7	-6.	No	17.33	23.2916 7	-6.
751	GLOBAL	Cartesian	17.33	23.2916 7	-5.	No	17.33	23.2916 7	-5.
752	GLOBAL	Cartesian	17.33	23.2916 7	-4.	No	17.33	23.2916 7	-4.
753	GLOBAL	Cartesian	17.33	23.2916 7	-3.	No	17.33	23.2916 7	-3.
754	GLOBAL	Cartesian	17.33	23.2916 7	-2.	No	17.33	23.2916 7	-2.
755	GLOBAL	Cartesian	17.33	23.2916 7	-1.	No	17.33	23.2916 7	-1.
757	GLOBAL	Cartesian	17.33	24.2233 3	-6.	No	17.33	24.2233 3	-6.
758	GLOBAL	Cartesian	17.33	24.2233 3	-5.	No	17.33	24.2233 3	-5.
759	GLOBAL	Cartesian	17.33	24.2233 3	-4.	No	17.33	24.2233 3	-4.
760	GLOBAL	Cartesian	17.33	24.2233 3	-3.	No	17.33	24.2233 3	-3.
761	GLOBAL	Cartesian	17.33	24.2233 3	-2.	No	17.33	24.2233 3	-2.
762	GLOBAL	Cartesian	17.33	24.2233 3	-1.	No	17.33	24.2233 3	-1.
764	GLOBAL	Cartesian	17.33	25.155	-6.	No	17.33	25.155	-6.
765	GLOBAL	Cartesian	17.33	25.155	-5.	No	17.33	25.155	-5.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
766	GLOBAL	Cartesian	17.33	25.155	-4.	No	17.33	25.155	-4.
767	GLOBAL	Cartesian	17.33	25.155	-3.	No	17.33	25.155	-3.
768	GLOBAL	Cartesian	17.33	25.155	-2.	No	17.33	25.155	-2.
769	GLOBAL	Cartesian	17.33	25.155	-1.	No	17.33	25.155	-1.
771	GLOBAL	Cartesian	17.33	26.0866 7	-6.	No	17.33	26.0866 7	-6.
772	GLOBAL	Cartesian	17.33	26.0866 7	-5.	No	17.33	26.0866 7	-5.
773	GLOBAL	Cartesian	17.33	26.0866 7	-4.	No	17.33	26.0866 7	-4.
774	GLOBAL	Cartesian	17.33	26.0866 7	-3.	No	17.33	26.0866 7	-3.
775	GLOBAL	Cartesian	17.33	26.0866 7	-2.	No	17.33	26.0866 7	-2.
776	GLOBAL	Cartesian	17.33	26.0866 7	-1.	No	17.33	26.0866 7	-1.
778	GLOBAL	Cartesian	17.33	27.0183 3	-6.	No	17.33	27.0183 3	-6.
779	GLOBAL	Cartesian	17.33	27.0183 3	-5.	No	17.33	27.0183 3	-5.
780	GLOBAL	Cartesian	17.33	27.0183 3	-4.	No	17.33	27.0183 3	-4.
781	GLOBAL	Cartesian	17.33	27.0183 3	-3.	No	17.33	27.0183 3	-3.
782	GLOBAL	Cartesian	17.33	27.0183 3	-2.	No	17.33	27.0183 3	-2.
783	GLOBAL	Cartesian	17.33	27.0183 3	-1.	No	17.33	27.0183 3	-1.
785	GLOBAL	Cartesian	17.33	27.95	-5.	No	17.33	27.95	-5.
786	GLOBAL	Cartesian	17.33	27.95	-4.	No	17.33	27.95	-4.
787	GLOBAL	Cartesian	17.33	27.95	-3.	No	17.33	27.95	-3.
788	GLOBAL	Cartesian	17.33	27.95	-2.	No	17.33	27.95	-2.
789	GLOBAL	Cartesian	17.33	27.95	-1.	No	17.33	27.95	-1.
790	GLOBAL	Cartesian	17.33	28.8816 7	-6.	No	17.33	28.8816 7	-6.
791	GLOBAL	Cartesian	17.33	28.8816 7	-5.	No	17.33	28.8816 7	-5.
792	GLOBAL	Cartesian	17.33	28.8816 7	-4.	No	17.33	28.8816 7	-4.
793	GLOBAL	Cartesian	17.33	28.8816 7	-3.	No	17.33	28.8816 7	-3.
794	GLOBAL	Cartesian	17.33	28.8816 7	-2.	No	17.33	28.8816 7	-2.
795	GLOBAL	Cartesian	17.33	28.8816 7	-1.	No	17.33	28.8816 7	-1.
797	GLOBAL	Cartesian	17.33	29.8133 3	-6.	No	17.33	29.8133 3	-6.
798	GLOBAL	Cartesian	17.33	29.8133 3	-5.	No	17.33	29.8133 3	-5.
799	GLOBAL	Cartesian	17.33	29.8133 3	-4.	No	17.33	29.8133 3	-4.
800	GLOBAL	Cartesian	17.33	29.8133 3	-3.	No	17.33	29.8133 3	-3.
801	GLOBAL	Cartesian	17.33	29.8133 3	-2.	No	17.33	29.8133 3	-2.
802	GLOBAL	Cartesian	17.33	29.8133 3	-1.	No	17.33	29.8133 3	-1.
804	GLOBAL	Cartesian	17.33	30.745	-6.	No	17.33	30.745	-6.

**Table 1: Joint Coordinates**

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
805	GLOBAL	Cartesian	17.33	30.745	-5.	No	17.33	30.745	-5.
806	GLOBAL	Cartesian	17.33	30.745	-4.	No	17.33	30.745	-4.
807	GLOBAL	Cartesian	17.33	30.745	-3.	No	17.33	30.745	-3.
808	GLOBAL	Cartesian	17.33	30.745	-2.	No	17.33	30.745	-2.
809	GLOBAL	Cartesian	17.33	30.745	-1.	No	17.33	30.745	-1.
811	GLOBAL	Cartesian	17.33	31.6766 7	-6.	No	17.33	31.6766 7	-6.
812	GLOBAL	Cartesian	17.33	31.6766 7	-5.	No	17.33	31.6766 7	-5.
813	GLOBAL	Cartesian	17.33	31.6766 7	-4.	No	17.33	31.6766 7	-4.
814	GLOBAL	Cartesian	17.33	31.6766 7	-3.	No	17.33	31.6766 7	-3.
815	GLOBAL	Cartesian	17.33	31.6766 7	-2.	No	17.33	31.6766 7	-2.
816	GLOBAL	Cartesian	17.33	31.6766 7	-1.	No	17.33	31.6766 7	-1.
818	GLOBAL	Cartesian	17.33	32.6083 3	-6.	No	17.33	32.6083 3	-6.
819	GLOBAL	Cartesian	17.33	32.6083 3	-5.	No	17.33	32.6083 3	-5.
820	GLOBAL	Cartesian	17.33	32.6083 3	-4.	No	17.33	32.6083 3	-4.
821	GLOBAL	Cartesian	17.33	32.6083 3	-3.	No	17.33	32.6083 3	-3.
822	GLOBAL	Cartesian	17.33	32.6083 3	-2.	No	17.33	32.6083 3	-2.
823	GLOBAL	Cartesian	17.33	32.6083 3	-1.	No	17.33	32.6083 3	-1.
825	GLOBAL	Cartesian	17.33	33.54	-5.	No	17.33	33.54	-5.
826	GLOBAL	Cartesian	17.33	33.54	-4.	No	17.33	33.54	-4.
827	GLOBAL	Cartesian	17.33	33.54	-3.	No	17.33	33.54	-3.
828	GLOBAL	Cartesian	17.33	33.54	-2.	No	17.33	33.54	-2.
829	GLOBAL	Cartesian	17.33	33.54	-1.	No	17.33	33.54	-1.
830	GLOBAL	Cartesian	17.33	34.4716 7	-6.	No	17.33	34.4716 7	-6.
831	GLOBAL	Cartesian	17.33	34.4716 7	-5.	No	17.33	34.4716 7	-5.
832	GLOBAL	Cartesian	17.33	34.4716 7	-4.	No	17.33	34.4716 7	-4.
833	GLOBAL	Cartesian	17.33	34.4716 7	-3.	No	17.33	34.4716 7	-3.
834	GLOBAL	Cartesian	17.33	34.4716 7	-2.	No	17.33	34.4716 7	-2.
835	GLOBAL	Cartesian	17.33	34.4716 7	-1.	No	17.33	34.4716 7	-1.
837	GLOBAL	Cartesian	17.33	35.4033 3	-6.	No	17.33	35.4033 3	-6.
838	GLOBAL	Cartesian	17.33	35.4033 3	-5.	No	17.33	35.4033 3	-5.
839	GLOBAL	Cartesian	17.33	35.4033 3	-4.	No	17.33	35.4033 3	-4.
840	GLOBAL	Cartesian	17.33	35.4033 3	-3.	No	17.33	35.4033 3	-3.
841	GLOBAL	Cartesian	17.33	35.4033 3	-2.	No	17.33	35.4033 3	-2.
842	GLOBAL	Cartesian	17.33	35.4033 3	-1.	No	17.33	35.4033 3	-1.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
844	GLOBAL	Cartesian	17.33	36.335	-6.	No	17.33	36.335	-6.
845	GLOBAL	Cartesian	17.33	36.335	-5.	No	17.33	36.335	-5.
846	GLOBAL	Cartesian	17.33	36.335	-4.	No	17.33	36.335	-4.
847	GLOBAL	Cartesian	17.33	36.335	-3.	No	17.33	36.335	-3.
848	GLOBAL	Cartesian	17.33	36.335	-2.	No	17.33	36.335	-2.
849	GLOBAL	Cartesian	17.33	36.335	-1.	No	17.33	36.335	-1.
851	GLOBAL	Cartesian	17.33	37.2666 7	-6.	No	17.33	37.2666 7	-6.
852	GLOBAL	Cartesian	17.33	37.2666 7	-5.	No	17.33	37.2666 7	-5.
853	GLOBAL	Cartesian	17.33	37.2666 7	-4.	No	17.33	37.2666 7	-4.
854	GLOBAL	Cartesian	17.33	37.2666 7	-3.	No	17.33	37.2666 7	-3.
855	GLOBAL	Cartesian	17.33	37.2666 7	-2.	No	17.33	37.2666 7	-2.
856	GLOBAL	Cartesian	17.33	37.2666 7	-1.	No	17.33	37.2666 7	-1.
858	GLOBAL	Cartesian	17.33	38.1983 3	-6.	No	17.33	38.1983 3	-6.
859	GLOBAL	Cartesian	17.33	38.1983 3	-5.	No	17.33	38.1983 3	-5.
860	GLOBAL	Cartesian	17.33	38.1983 3	-4.	No	17.33	38.1983 3	-4.
861	GLOBAL	Cartesian	17.33	38.1983 3	-3.	No	17.33	38.1983 3	-3.
862	GLOBAL	Cartesian	17.33	38.1983 3	-2.	No	17.33	38.1983 3	-2.
863	GLOBAL	Cartesian	17.33	38.1983 3	-1.	No	17.33	38.1983 3	-1.
865	GLOBAL	Cartesian	-1.589E- 06	0.93167	-6.	No	-1.589E- 06	0.93167	-6.
866	GLOBAL	Cartesian	-1.325E- 06	0.93167	-5.	No	-1.325E- 06	0.93167	-5.
867	GLOBAL	Cartesian	-1.060E- 06	0.93167	-4.	No	-1.060E- 06	0.93167	-4.
868	GLOBAL	Cartesian	-7.947E- 07	0.93167	-3.	No	-7.947E- 07	0.93167	-3.
869	GLOBAL	Cartesian	-5.298E- 07	0.93167	-2.	No	-5.298E- 07	0.93167	-2.
870	GLOBAL	Cartesian	-2.649E- 07	0.93167	-1.	No	-2.649E- 07	0.93167	-1.
871	GLOBAL	Cartesian	0.	0.93167	0.	No	0.	0.93167	0.
872	GLOBAL	Cartesian	-1.272E- 06	1.86333	-6.	No	-1.272E- 06	1.86333	-6.
873	GLOBAL	Cartesian	-1.060E- 06	1.86333	-5.	No	-1.060E- 06	1.86333	-5.
874	GLOBAL	Cartesian	-8.477E- 07	1.86333	-4.	No	-8.477E- 07	1.86333	-4.
875	GLOBAL	Cartesian	-6.358E- 07	1.86333	-3.	No	-6.358E- 07	1.86333	-3.
876	GLOBAL	Cartesian	-4.239E- 07	1.86333	-2.	No	-4.239E- 07	1.86333	-2.
877	GLOBAL	Cartesian	-2.119E- 07	1.86333	-1.	No	-2.119E- 07	1.86333	-1.
878	GLOBAL	Cartesian	0.	1.86333	0.	No	0.	1.86333	0.
879	GLOBAL	Cartesian	-9.537E- 07	2.795	-6.	No	-9.537E- 07	2.795	-6.

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Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
880	GLOBAL	Cartesian	-7.947E-07	2.795	-5.	No	-7.947E-07	2.795	-5.
881	GLOBAL	Cartesian	-6.358E-07	2.795	-4.	No	-6.358E-07	2.795	-4.
882	GLOBAL	Cartesian	-4.768E-07	2.795	-3.	No	-4.768E-07	2.795	-3.
883	GLOBAL	Cartesian	-3.179E-07	2.795	-2.	No	-3.179E-07	2.795	-2.
884	GLOBAL	Cartesian	-1.589E-07	2.795	-1.	No	-1.589E-07	2.795	-1.
885	GLOBAL	Cartesian	0.	2.795	0.	No	0.	2.795	0.
886	GLOBAL	Cartesian	-6.358E-07	3.72667	-6.	No	-6.358E-07	3.72667	-6.
887	GLOBAL	Cartesian	-5.298E-07	3.72667	-5.	No	-5.298E-07	3.72667	-5.
888	GLOBAL	Cartesian	-4.239E-07	3.72667	-4.	No	-4.239E-07	3.72667	-4.
889	GLOBAL	Cartesian	-3.179E-07	3.72667	-3.	No	-3.179E-07	3.72667	-3.
890	GLOBAL	Cartesian	-2.119E-07	3.72667	-2.	No	-2.119E-07	3.72667	-2.
891	GLOBAL	Cartesian	-1.060E-07	3.72667	-1.	No	-1.060E-07	3.72667	-1.
892	GLOBAL	Cartesian	0.	3.72667	0.	No	0.	3.72667	0.
893	GLOBAL	Cartesian	-3.179E-07	4.65833	-6.	No	-3.179E-07	4.65833	-6.
894	GLOBAL	Cartesian	-2.649E-07	4.65833	-5.	No	-2.649E-07	4.65833	-5.
895	GLOBAL	Cartesian	-2.119E-07	4.65833	-4.	No	-2.119E-07	4.65833	-4.
896	GLOBAL	Cartesian	-1.589E-07	4.65833	-3.	No	-1.589E-07	4.65833	-3.
897	GLOBAL	Cartesian	-1.060E-07	4.65833	-2.	No	-1.060E-07	4.65833	-2.
898	GLOBAL	Cartesian	-5.298E-08	4.65833	-1.	No	-5.298E-08	4.65833	-1.
899	GLOBAL	Cartesian	0.	4.65833	0.	No	0.	4.65833	0.
900	GLOBAL	Cartesian	0.	5.59	-5.	No	0.	5.59	-5.
901	GLOBAL	Cartesian	0.	5.59	-4.	No	0.	5.59	-4.
902	GLOBAL	Cartesian	0.	5.59	-3.	No	0.	5.59	-3.
903	GLOBAL	Cartesian	0.	5.59	-2.	No	0.	5.59	-2.
904	GLOBAL	Cartesian	0.	5.59	-1.	No	0.	5.59	-1.
905	GLOBAL	Cartesian	0.	6.52167	-6.	No	0.	6.52167	-6.
906	GLOBAL	Cartesian	0.	6.52167	-5.	No	0.	6.52167	-5.
907	GLOBAL	Cartesian	0.	6.52167	-4.	No	0.	6.52167	-4.
908	GLOBAL	Cartesian	0.	6.52167	-3.	No	0.	6.52167	-3.
909	GLOBAL	Cartesian	0.	6.52167	-2.	No	0.	6.52167	-2.
910	GLOBAL	Cartesian	0.	6.52167	-1.	No	0.	6.52167	-1.
911	GLOBAL	Cartesian	0.	6.52167	0.	No	0.	6.52167	0.
912	GLOBAL	Cartesian	0.	7.45333	-6.	No	0.	7.45333	-6.
913	GLOBAL	Cartesian	0.	7.45333	-5.	No	0.	7.45333	-5.
914	GLOBAL	Cartesian	0.	7.45333	-4.	No	0.	7.45333	-4.
915	GLOBAL	Cartesian	0.	7.45333	-3.	No	0.	7.45333	-3.
916	GLOBAL	Cartesian	0.	7.45333	-2.	No	0.	7.45333	-2.
917	GLOBAL	Cartesian	0.	7.45333	-1.	No	0.	7.45333	-1.
918	GLOBAL	Cartesian	0.	7.45333	0.	No	0.	7.45333	0.
919	GLOBAL	Cartesian	0.	8.385	-6.	No	0.	8.385	-6.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
920	GLOBAL	Cartesian	0.	8.385	-5.	No	0.	8.385	-5.
921	GLOBAL	Cartesian	0.	8.385	-4.	No	0.	8.385	-4.
922	GLOBAL	Cartesian	0.	8.385	-3.	No	0.	8.385	-3.
923	GLOBAL	Cartesian	0.	8.385	-2.	No	0.	8.385	-2.
924	GLOBAL	Cartesian	0.	8.385	-1.	No	0.	8.385	-1.
925	GLOBAL	Cartesian	0.	8.385	0.	No	0.	8.385	0.
926	GLOBAL	Cartesian	0.	9.31667	-6.	No	0.	9.31667	-6.
927	GLOBAL	Cartesian	0.	9.31667	-5.	No	0.	9.31667	-5.
928	GLOBAL	Cartesian	0.	9.31667	-4.	No	0.	9.31667	-4.
929	GLOBAL	Cartesian	0.	9.31667	-3.	No	0.	9.31667	-3.
930	GLOBAL	Cartesian	0.	9.31667	-2.	No	0.	9.31667	-2.
931	GLOBAL	Cartesian	0.	9.31667	-1.	No	0.	9.31667	-1.
932	GLOBAL	Cartesian	0.	9.31667	0.	No	0.	9.31667	0.
933	GLOBAL	Cartesian	0.	10.2483 3	-6.	No	0.	10.2483 3	-6.
934	GLOBAL	Cartesian	0.	10.2483 3	-5.	No	0.	10.2483 3	-5.
935	GLOBAL	Cartesian	0.	10.2483 3	-4.	No	0.	10.2483 3	-4.
936	GLOBAL	Cartesian	0.	10.2483 3	-3.	No	0.	10.2483 3	-3.
937	GLOBAL	Cartesian	0.	10.2483 3	-2.	No	0.	10.2483 3	-2.
938	GLOBAL	Cartesian	0.	10.2483 3	-1.	No	0.	10.2483 3	-1.
939	GLOBAL	Cartesian	0.	10.2483 3	0.	No	0.	10.2483 3	0.
940	GLOBAL	Cartesian	0.	11.18	-5.	No	0.	11.18	-5.
941	GLOBAL	Cartesian	0.	11.18	-4.	No	0.	11.18	-4.
942	GLOBAL	Cartesian	0.	11.18	-3.	No	0.	11.18	-3.
943	GLOBAL	Cartesian	0.	11.18	-2.	No	0.	11.18	-2.
944	GLOBAL	Cartesian	0.	11.18	-1.	No	0.	11.18	-1.
945	GLOBAL	Cartesian	0.	12.1116 7	-6.	No	0.	12.1116 7	-6.
946	GLOBAL	Cartesian	0.	12.1116 7	-5.	No	0.	12.1116 7	-5.
947	GLOBAL	Cartesian	0.	12.1116 7	-4.	No	0.	12.1116 7	-4.
948	GLOBAL	Cartesian	0.	12.1116 7	-3.	No	0.	12.1116 7	-3.
949	GLOBAL	Cartesian	0.	12.1116 7	-2.	No	0.	12.1116 7	-2.
950	GLOBAL	Cartesian	0.	12.1116 7	-1.	No	0.	12.1116 7	-1.
951	GLOBAL	Cartesian	0.	12.1116 7	0.	No	0.	12.1116 7	0.
952	GLOBAL	Cartesian	0.	13.0433 3	-6.	No	0.	13.0433 3	-6.
953	GLOBAL	Cartesian	0.	13.0433 3	-5.	No	0.	13.0433 3	-5.
954	GLOBAL	Cartesian	0.	13.0433 3	-4.	No	0.	13.0433 3	-4.
955	GLOBAL	Cartesian	0.	13.0433 3	-3.	No	0.	13.0433 3	-3.
956	GLOBAL	Cartesian	0.	13.0433 3	-2.	No	0.	13.0433 3	-2.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
957	GLOBAL	Cartesian	0.	13.0433 3	-1.	No	0.	13.0433 3	-1.
958	GLOBAL	Cartesian	0.	13.0433 3	0.	No	0.	13.0433 3	0.
959	GLOBAL	Cartesian	0.	13.975	-6.	No	0.	13.975	-6.
960	GLOBAL	Cartesian	0.	13.975	-5.	No	0.	13.975	-5.
961	GLOBAL	Cartesian	0.	13.975	-4.	No	0.	13.975	-4.
962	GLOBAL	Cartesian	0.	13.975	-3.	No	0.	13.975	-3.
963	GLOBAL	Cartesian	0.	13.975	-2.	No	0.	13.975	-2.
964	GLOBAL	Cartesian	0.	13.975	-1.	No	0.	13.975	-1.
965	GLOBAL	Cartesian	0.	13.975	0.	No	0.	13.975	0.
966	GLOBAL	Cartesian	0.	14.9066 7	-6.	No	0.	14.9066 7	-6.
967	GLOBAL	Cartesian	0.	14.9066 7	-5.	No	0.	14.9066 7	-5.
968	GLOBAL	Cartesian	0.	14.9066 7	-4.	No	0.	14.9066 7	-4.
969	GLOBAL	Cartesian	0.	14.9066 7	-3.	No	0.	14.9066 7	-3.
970	GLOBAL	Cartesian	0.	14.9066 7	-2.	No	0.	14.9066 7	-2.
971	GLOBAL	Cartesian	0.	14.9066 7	-1.	No	0.	14.9066 7	-1.
972	GLOBAL	Cartesian	0.	14.9066 7	0.	No	0.	14.9066 7	0.
973	GLOBAL	Cartesian	0.	15.8383 3	-6.	No	0.	15.8383 3	-6.
974	GLOBAL	Cartesian	0.	15.8383 3	-5.	No	0.	15.8383 3	-5.
975	GLOBAL	Cartesian	0.	15.8383 3	-4.	No	0.	15.8383 3	-4.
976	GLOBAL	Cartesian	0.	15.8383 3	-3.	No	0.	15.8383 3	-3.
977	GLOBAL	Cartesian	0.	15.8383 3	-2.	No	0.	15.8383 3	-2.
978	GLOBAL	Cartesian	0.	15.8383 3	-1.	No	0.	15.8383 3	-1.
979	GLOBAL	Cartesian	0.	15.8383 3	0.	No	0.	15.8383 3	0.
980	GLOBAL	Cartesian	0.	16.77	-5.	No	0.	16.77	-5.
981	GLOBAL	Cartesian	0.	16.77	-4.	No	0.	16.77	-4.
982	GLOBAL	Cartesian	0.	16.77	-3.	No	0.	16.77	-3.
983	GLOBAL	Cartesian	0.	16.77	-2.	No	0.	16.77	-2.
984	GLOBAL	Cartesian	0.	16.77	-1.	No	0.	16.77	-1.
985	GLOBAL	Cartesian	0.	17.7016 7	-6.	No	0.	17.7016 7	-6.
986	GLOBAL	Cartesian	0.	17.7016 7	-5.	No	0.	17.7016 7	-5.
987	GLOBAL	Cartesian	0.	17.7016 7	-4.	No	0.	17.7016 7	-4.
988	GLOBAL	Cartesian	0.	17.7016 7	-3.	No	0.	17.7016 7	-3.
989	GLOBAL	Cartesian	0.	17.7016 7	-2.	No	0.	17.7016 7	-2.
990	GLOBAL	Cartesian	0.	17.7016 7	-1.	No	0.	17.7016 7	-1.
991	GLOBAL	Cartesian	0.	17.7016 7	0.	No	0.	17.7016 7	0.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
992	GLOBAL	Cartesian	0.	18.6333 3	-6.	No	0.	18.6333 3	-6.
993	GLOBAL	Cartesian	0.	18.6333 3	-5.	No	0.	18.6333 3	-5.
994	GLOBAL	Cartesian	0.	18.6333 3	-4.	No	0.	18.6333 3	-4.
995	GLOBAL	Cartesian	0.	18.6333 3	-3.	No	0.	18.6333 3	-3.
996	GLOBAL	Cartesian	0.	18.6333 3	-2.	No	0.	18.6333 3	-2.
997	GLOBAL	Cartesian	0.	18.6333 3	-1.	No	0.	18.6333 3	-1.
998	GLOBAL	Cartesian	0.	18.6333 3	0.	No	0.	18.6333 3	0.
999	GLOBAL	Cartesian	0.	19.565	-6.	No	0.	19.565	-6.
1000	GLOBAL	Cartesian	0.	19.565	-5.	No	0.	19.565	-5.
1001	GLOBAL	Cartesian	0.	19.565	-4.	No	0.	19.565	-4.
1002	GLOBAL	Cartesian	0.	19.565	-3.	No	0.	19.565	-3.
1003	GLOBAL	Cartesian	0.	19.565	-2.	No	0.	19.565	-2.
1004	GLOBAL	Cartesian	0.	19.565	-1.	No	0.	19.565	-1.
1005	GLOBAL	Cartesian	0.	19.565	0.	No	0.	19.565	0.
1006	GLOBAL	Cartesian	0.	20.4966 7	-6.	No	0.	20.4966 7	-6.
1007	GLOBAL	Cartesian	0.	20.4966 7	-5.	No	0.	20.4966 7	-5.
1008	GLOBAL	Cartesian	0.	20.4966 7	-4.	No	0.	20.4966 7	-4.
1009	GLOBAL	Cartesian	0.	20.4966 7	-3.	No	0.	20.4966 7	-3.
1010	GLOBAL	Cartesian	0.	20.4966 7	-2.	No	0.	20.4966 7	-2.
1011	GLOBAL	Cartesian	0.	20.4966 7	-1.	No	0.	20.4966 7	-1.
1012	GLOBAL	Cartesian	0.	20.4966 7	0.	No	0.	20.4966 7	0.
1013	GLOBAL	Cartesian	0.	21.4283 3	-6.	No	0.	21.4283 3	-6.
1014	GLOBAL	Cartesian	0.	21.4283 3	-5.	No	0.	21.4283 3	-5.
1015	GLOBAL	Cartesian	0.	21.4283 3	-4.	No	0.	21.4283 3	-4.
1016	GLOBAL	Cartesian	0.	21.4283 3	-3.	No	0.	21.4283 3	-3.
1017	GLOBAL	Cartesian	0.	21.4283 3	-2.	No	0.	21.4283 3	-2.
1018	GLOBAL	Cartesian	0.	21.4283 3	-1.	No	0.	21.4283 3	-1.
1019	GLOBAL	Cartesian	0.	21.4283 3	0.	No	0.	21.4283 3	0.
1020	GLOBAL	Cartesian	0.	22.36	-5.	No	0.	22.36	-5.
1021	GLOBAL	Cartesian	0.	22.36	-4.	No	0.	22.36	-4.
1022	GLOBAL	Cartesian	0.	22.36	-3.	No	0.	22.36	-3.
1023	GLOBAL	Cartesian	0.	22.36	-2.	No	0.	22.36	-2.
1024	GLOBAL	Cartesian	0.	22.36	-1.	No	0.	22.36	-1.
1025	GLOBAL	Cartesian	0.	23.2916 7	-6.	No	0.	23.2916 7	-6.
1026	GLOBAL	Cartesian	0.	23.2916 7	-5.	No	0.	23.2916 7	-5.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
1027	GLOBAL	Cartesian	0.	23.2916 7	-4.	No	0.	23.2916 7	-4.
1028	GLOBAL	Cartesian	0.	23.2916 7	-3.	No	0.	23.2916 7	-3.
1029	GLOBAL	Cartesian	0.	23.2916 7	-2.	No	0.	23.2916 7	-2.
1030	GLOBAL	Cartesian	0.	23.2916 7	-1.	No	0.	23.2916 7	-1.
1031	GLOBAL	Cartesian	0.	23.2916 7	0.	No	0.	23.2916 7	0.
1032	GLOBAL	Cartesian	0.	24.2233 3	-6.	No	0.	24.2233 3	-6.
1033	GLOBAL	Cartesian	0.	24.2233 3	-5.	No	0.	24.2233 3	-5.
1034	GLOBAL	Cartesian	0.	24.2233 3	-4.	No	0.	24.2233 3	-4.
1035	GLOBAL	Cartesian	0.	24.2233 3	-3.	No	0.	24.2233 3	-3.
1036	GLOBAL	Cartesian	0.	24.2233 3	-2.	No	0.	24.2233 3	-2.
1037	GLOBAL	Cartesian	0.	24.2233 3	-1.	No	0.	24.2233 3	-1.
1038	GLOBAL	Cartesian	0.	24.2233 3	0.	No	0.	24.2233 3	0.
1039	GLOBAL	Cartesian	0.	25.155	-6.	No	0.	25.155	-6.
1040	GLOBAL	Cartesian	0.	25.155	-5.	No	0.	25.155	-5.
1041	GLOBAL	Cartesian	0.	25.155	-4.	No	0.	25.155	-4.
1042	GLOBAL	Cartesian	0.	25.155	-3.	No	0.	25.155	-3.
1043	GLOBAL	Cartesian	0.	25.155	-2.	No	0.	25.155	-2.
1044	GLOBAL	Cartesian	0.	25.155	-1.	No	0.	25.155	-1.
1045	GLOBAL	Cartesian	0.	25.155	0.	No	0.	25.155	0.
1046	GLOBAL	Cartesian	0.	26.0866 7	-6.	No	0.	26.0866 7	-6.
1047	GLOBAL	Cartesian	0.	26.0866 7	-5.	No	0.	26.0866 7	-5.
1048	GLOBAL	Cartesian	0.	26.0866 7	-4.	No	0.	26.0866 7	-4.
1049	GLOBAL	Cartesian	0.	26.0866 7	-3.	No	0.	26.0866 7	-3.
1050	GLOBAL	Cartesian	0.	26.0866 7	-2.	No	0.	26.0866 7	-2.
1051	GLOBAL	Cartesian	0.	26.0866 7	-1.	No	0.	26.0866 7	-1.
1052	GLOBAL	Cartesian	0.	26.0866 7	0.	No	0.	26.0866 7	0.
1053	GLOBAL	Cartesian	0.	27.0183 3	-6.	No	0.	27.0183 3	-6.
1054	GLOBAL	Cartesian	0.	27.0183 3	-5.	No	0.	27.0183 3	-5.
1055	GLOBAL	Cartesian	0.	27.0183 3	-4.	No	0.	27.0183 3	-4.
1056	GLOBAL	Cartesian	0.	27.0183 3	-3.	No	0.	27.0183 3	-3.
1057	GLOBAL	Cartesian	0.	27.0183 3	-2.	No	0.	27.0183 3	-2.
1058	GLOBAL	Cartesian	0.	27.0183 3	-1.	No	0.	27.0183 3	-1.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
1059	GLOBAL	Cartesian	0.	27.0183 3	0.	No	0.	27.0183 3	0.
1060	GLOBAL	Cartesian	0.	27.95	-5.	No	0.	27.95	-5.
1061	GLOBAL	Cartesian	0.	27.95	-4.	No	0.	27.95	-4.
1062	GLOBAL	Cartesian	0.	27.95	-3.	No	0.	27.95	-3.
1063	GLOBAL	Cartesian	0.	27.95	-2.	No	0.	27.95	-2.
1064	GLOBAL	Cartesian	0.	27.95	-1.	No	0.	27.95	-1.
1065	GLOBAL	Cartesian	0.	28.8816 7	-6.	No	0.	28.8816 7	-6.
1066	GLOBAL	Cartesian	0.	28.8816 7	-5.	No	0.	28.8816 7	-5.
1067	GLOBAL	Cartesian	0.	28.8816 7	-4.	No	0.	28.8816 7	-4.
1068	GLOBAL	Cartesian	0.	28.8816 7	-3.	No	0.	28.8816 7	-3.
1069	GLOBAL	Cartesian	0.	28.8816 7	-2.	No	0.	28.8816 7	-2.
1070	GLOBAL	Cartesian	0.	28.8816 7	-1.	No	0.	28.8816 7	-1.
1071	GLOBAL	Cartesian	0.	28.8816 7	0.	No	0.	28.8816 7	0.
1072	GLOBAL	Cartesian	0.	29.8133 3	-6.	No	0.	29.8133 3	-6.
1073	GLOBAL	Cartesian	0.	29.8133 3	-5.	No	0.	29.8133 3	-5.
1074	GLOBAL	Cartesian	0.	29.8133 3	-4.	No	0.	29.8133 3	-4.
1075	GLOBAL	Cartesian	0.	29.8133 3	-3.	No	0.	29.8133 3	-3.
1076	GLOBAL	Cartesian	0.	29.8133 3	-2.	No	0.	29.8133 3	-2.
1077	GLOBAL	Cartesian	0.	29.8133 3	-1.	No	0.	29.8133 3	-1.
1078	GLOBAL	Cartesian	0.	29.8133 3	0.	No	0.	29.8133 3	0.
1079	GLOBAL	Cartesian	0.	30.745	-6.	No	0.	30.745	-6.
1080	GLOBAL	Cartesian	0.	30.745	-5.	No	0.	30.745	-5.
1081	GLOBAL	Cartesian	0.	30.745	-4.	No	0.	30.745	-4.
1082	GLOBAL	Cartesian	0.	30.745	-3.	No	0.	30.745	-3.
1083	GLOBAL	Cartesian	0.	30.745	-2.	No	0.	30.745	-2.
1084	GLOBAL	Cartesian	0.	30.745	-1.	No	0.	30.745	-1.
1085	GLOBAL	Cartesian	0.	30.745	0.	No	0.	30.745	0.
1086	GLOBAL	Cartesian	0.	31.6766 7	-6.	No	0.	31.6766 7	-6.
1087	GLOBAL	Cartesian	0.	31.6766 7	-5.	No	0.	31.6766 7	-5.
1088	GLOBAL	Cartesian	0.	31.6766 7	-4.	No	0.	31.6766 7	-4.
1089	GLOBAL	Cartesian	0.	31.6766 7	-3.	No	0.	31.6766 7	-3.
1090	GLOBAL	Cartesian	0.	31.6766 7	-2.	No	0.	31.6766 7	-2.
1091	GLOBAL	Cartesian	0.	31.6766 7	-1.	No	0.	31.6766 7	-1.
1092	GLOBAL	Cartesian	0.	31.6766 7	0.	No	0.	31.6766 7	0.
1093	GLOBAL	Cartesian	0.	32.6083 3	-6.	No	0.	32.6083 3	-6.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
1094	GLOBAL	Cartesian	0.	32.6083 3	-5.	No	0.	32.6083 3	-5.
1095	GLOBAL	Cartesian	0.	32.6083 3	-4.	No	0.	32.6083 3	-4.
1096	GLOBAL	Cartesian	0.	32.6083 3	-3.	No	0.	32.6083 3	-3.
1097	GLOBAL	Cartesian	0.	32.6083 3	-2.	No	0.	32.6083 3	-2.
1098	GLOBAL	Cartesian	0.	32.6083 3	-1.	No	0.	32.6083 3	-1.
1099	GLOBAL	Cartesian	0.	32.6083 3	0.	No	0.	32.6083 3	0.
1100	GLOBAL	Cartesian	0.	33.54	-5.	No	0.	33.54	-5.
1101	GLOBAL	Cartesian	0.	33.54	-4.	No	0.	33.54	-4.
1102	GLOBAL	Cartesian	0.	33.54	-3.	No	0.	33.54	-3.
1103	GLOBAL	Cartesian	0.	33.54	-2.	No	0.	33.54	-2.
1104	GLOBAL	Cartesian	0.	33.54	-1.	No	0.	33.54	-1.
1105	GLOBAL	Cartesian	-1.589E- 07	34.4716 7	-6.	No	-1.589E- 07	34.4716 7	-6.
1106	GLOBAL	Cartesian	-1.325E- 07	34.4716 7	-5.	No	-1.325E- 07	34.4716 7	-5.
1107	GLOBAL	Cartesian	-1.060E- 07	34.4716 7	-4.	No	-1.060E- 07	34.4716 7	-4.
1108	GLOBAL	Cartesian	-7.947E- 08	34.4716 7	-3.	No	-7.947E- 08	34.4716 7	-3.
1109	GLOBAL	Cartesian	-5.298E- 08	34.4716 7	-2.	No	-5.298E- 08	34.4716 7	-2.
1110	GLOBAL	Cartesian	-2.649E- 08	34.4716 7	-1.	No	-2.649E- 08	34.4716 7	-1.
1111	GLOBAL	Cartesian	0.	34.4716 7	0.	No	0.	34.4716 7	0.
1112	GLOBAL	Cartesian	-3.179E- 07	35.4033 3	-6.	No	-3.179E- 07	35.4033 3	-6.
1113	GLOBAL	Cartesian	-2.649E- 07	35.4033 3	-5.	No	-2.649E- 07	35.4033 3	-5.
1114	GLOBAL	Cartesian	-2.119E- 07	35.4033 3	-4.	No	-2.119E- 07	35.4033 3	-4.
1115	GLOBAL	Cartesian	-1.589E- 07	35.4033 3	-3.	No	-1.589E- 07	35.4033 3	-3.
1116	GLOBAL	Cartesian	-1.060E- 07	35.4033 3	-2.	No	-1.060E- 07	35.4033 3	-2.
1117	GLOBAL	Cartesian	-5.298E- 08	35.4033 3	-1.	No	-5.298E- 08	35.4033 3	-1.
1118	GLOBAL	Cartesian	0.	35.4033 3	0.	No	0.	35.4033 3	0.
1119	GLOBAL	Cartesian	-4.768E- 07	36.335	-6.	No	-4.768E- 07	36.335	-6.
1120	GLOBAL	Cartesian	-3.974E- 07	36.335	-5.	No	-3.974E- 07	36.335	-5.
1121	GLOBAL	Cartesian	-3.179E- 07	36.335	-4.	No	-3.179E- 07	36.335	-4.
1122	GLOBAL	Cartesian	-2.384E- 07	36.335	-3.	No	-2.384E- 07	36.335	-3.
1123	GLOBAL	Cartesian	-1.589E- 07	36.335	-2.	No	-1.589E- 07	36.335	-2.
1124	GLOBAL	Cartesian	-7.947E- 08	36.335	-1.	No	-7.947E- 08	36.335	-1.
1125	GLOBAL	Cartesian	0.	36.335	0.	No	0.	36.335	0.

1. Model geometry

11 mayo 2021

**Table 1: Joint Coordinates**

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
1126	GLOBAL	Cartesian	-6.358E-07	37.26667	-6.	No	-6.358E-07	37.26667	-6.
1127	GLOBAL	Cartesian	-5.298E-07	37.26667	-5.	No	-5.298E-07	37.26667	-5.
1128	GLOBAL	Cartesian	-4.239E-07	37.26667	-4.	No	-4.239E-07	37.26667	-4.
1129	GLOBAL	Cartesian	-3.179E-07	37.26667	-3.	No	-3.179E-07	37.26667	-3.
1130	GLOBAL	Cartesian	-2.119E-07	37.26667	-2.	No	-2.119E-07	37.26667	-2.
1131	GLOBAL	Cartesian	-1.060E-07	37.26667	-1.	No	-1.060E-07	37.26667	-1.
1132	GLOBAL	Cartesian	0.	37.26667	0.	No	0.	37.26667	0.
1133	GLOBAL	Cartesian	-7.947E-07	38.19833	-6.	No	-7.947E-07	38.19833	-6.
1134	GLOBAL	Cartesian	-6.623E-07	38.19833	-5.	No	-6.623E-07	38.19833	-5.
1135	GLOBAL	Cartesian	-5.298E-07	38.19833	-4.	No	-5.298E-07	38.19833	-4.
1136	GLOBAL	Cartesian	-3.974E-07	38.19833	-3.	No	-3.974E-07	38.19833	-3.
1137	GLOBAL	Cartesian	-2.649E-07	38.19833	-2.	No	-2.649E-07	38.19833	-2.
1138	GLOBAL	Cartesian	-1.325E-07	38.19833	-1.	No	-1.325E-07	38.19833	-1.
1139	GLOBAL	Cartesian	0.	38.19833	0.	No	0.	38.19833	0.
1140	GLOBAL	Cartesian	17.33	0.93167	0.	No	17.33	0.93167	0.
1141	GLOBAL	Cartesian	17.33	1.86333	0.	No	17.33	1.86333	0.
1142	GLOBAL	Cartesian	17.33	2.795	0.	No	17.33	2.795	0.
1143	GLOBAL	Cartesian	17.33	3.72667	0.	No	17.33	3.72667	0.
1144	GLOBAL	Cartesian	17.33	4.65833	0.	No	17.33	4.65833	0.
1145	GLOBAL	Cartesian	17.33	6.52167	1.589E-07	No	17.33	6.52167	1.589E-07
1146	GLOBAL	Cartesian	17.33	7.45333	3.179E-07	No	17.33	7.45333	3.179E-07
1147	GLOBAL	Cartesian	17.33	8.385	4.768E-07	No	17.33	8.385	4.768E-07
1148	GLOBAL	Cartesian	17.33	9.31667	6.358E-07	No	17.33	9.31667	6.358E-07
1149	GLOBAL	Cartesian	17.33	10.24833	7.947E-07	No	17.33	10.24833	7.947E-07
1150	GLOBAL	Cartesian	17.33	12.11167	7.947E-07	No	17.33	12.11167	7.947E-07
1151	GLOBAL	Cartesian	17.33	13.04333	6.358E-07	No	17.33	13.04333	6.358E-07
1152	GLOBAL	Cartesian	17.33	13.975	4.768E-07	No	17.33	13.975	4.768E-07
1153	GLOBAL	Cartesian	17.33	14.90667	3.179E-07	No	17.33	14.90667	3.179E-07
1154	GLOBAL	Cartesian	17.33	15.83833	1.589E-07	No	17.33	15.83833	1.589E-07
1155	GLOBAL	Cartesian	17.33	17.70167	0.	No	17.33	17.70167	0.
1156	GLOBAL	Cartesian	17.33	18.63333	0.	No	17.33	18.63333	0.
1157	GLOBAL	Cartesian	17.33	19.565	0.	No	17.33	19.565	0.

**Table 1: Joint Coordinates**

Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJ t	GlobalX	GlobalY	GlobalZ
			m	m	m		m	m	m
1158	GLOBAL	Cartesian	17.33	20.49667	0.	No	17.33	20.49667	0.
1159	GLOBAL	Cartesian	17.33	21.42833	0.	No	17.33	21.42833	0.
1160	GLOBAL	Cartesian	17.33	23.29167	0.	No	17.33	23.29167	0.
1161	GLOBAL	Cartesian	17.33	24.22333	0.	No	17.33	24.22333	0.
1162	GLOBAL	Cartesian	17.33	25.155	0.	No	17.33	25.155	0.
1163	GLOBAL	Cartesian	17.33	26.08667	0.	No	17.33	26.08667	0.
1164	GLOBAL	Cartesian	17.33	27.01833	0.	No	17.33	27.01833	0.
1165	GLOBAL	Cartesian	17.33	28.88167	0.	No	17.33	28.88167	0.
1166	GLOBAL	Cartesian	17.33	29.81333	0.	No	17.33	29.81333	0.
1167	GLOBAL	Cartesian	17.33	30.745	0.	No	17.33	30.745	0.
1168	GLOBAL	Cartesian	17.33	31.67667	0.	No	17.33	31.67667	0.
1169	GLOBAL	Cartesian	17.33	32.60833	0.	No	17.33	32.60833	0.
1170	GLOBAL	Cartesian	17.33	34.47167	0.	No	17.33	34.47167	0.
1171	GLOBAL	Cartesian	17.33	35.40333	0.	No	17.33	35.40333	0.
1172	GLOBAL	Cartesian	17.33	36.335	0.	No	17.33	36.335	0.
1173	GLOBAL	Cartesian	17.33	37.26667	0.	No	17.33	37.26667	0.
1174	GLOBAL	Cartesian	17.33	38.19833	0.	No	17.33	38.19833	0.

## 1.2. Joint restraints

**Table 2: Joint Restraint Assignments**

**Table 2: Joint Restraint Assignments**

Joint	U1	U2	U3	R1	R2	R3
14	Yes	Yes	Yes	No	No	No
199	Yes	Yes	Yes	Yes	Yes	Yes
200	Yes	Yes	Yes	Yes	Yes	Yes
201	Yes	Yes	Yes	Yes	Yes	Yes
202	Yes	Yes	Yes	Yes	Yes	Yes
204	Yes	Yes	Yes	Yes	Yes	Yes
215	Yes	Yes	Yes	Yes	Yes	Yes
216	Yes	Yes	Yes	Yes	Yes	Yes
217	Yes	Yes	Yes	Yes	Yes	Yes
219	Yes	Yes	Yes	Yes	Yes	Yes
220	Yes	Yes	Yes	Yes	Yes	Yes
222	Yes	Yes	Yes	Yes	Yes	Yes
223	Yes	Yes	Yes	Yes	Yes	Yes
224	Yes	Yes	Yes	Yes	Yes	Yes

**Table 2: Joint Restraint Assignments**

Joint	U1	U2	U3	R1	R2	R3
225	Yes	Yes	Yes	Yes	Yes	Yes
226	Yes	Yes	Yes	Yes	Yes	Yes
227	Yes	Yes	Yes	Yes	Yes	Yes
228	Yes	Yes	Yes	Yes	Yes	Yes
229	Yes	Yes	Yes	Yes	Yes	Yes
230	Yes	Yes	Yes	Yes	Yes	Yes
231	Yes	Yes	Yes	Yes	Yes	Yes
232	Yes	Yes	Yes	Yes	Yes	Yes
244	Yes	Yes	Yes	Yes	Yes	Yes
251	Yes	Yes	Yes	Yes	Yes	Yes
258	Yes	Yes	Yes	Yes	Yes	Yes
265	Yes	Yes	Yes	Yes	Yes	Yes
277	Yes	Yes	Yes	Yes	Yes	Yes
284	Yes	Yes	Yes	Yes	Yes	Yes
291	Yes	Yes	Yes	Yes	Yes	Yes
298	Yes	Yes	Yes	Yes	Yes	Yes
305	Yes	Yes	Yes	Yes	Yes	Yes
317	Yes	Yes	Yes	Yes	Yes	Yes
324	Yes	Yes	Yes	Yes	Yes	Yes
331	Yes	Yes	Yes	Yes	Yes	Yes
338	Yes	Yes	Yes	Yes	Yes	Yes
345	Yes	Yes	Yes	Yes	Yes	Yes
370	Yes	Yes	Yes	No	No	No
372	Yes	Yes	Yes	No	No	No
373	Yes	Yes	Yes	No	No	No
388	No	Yes	Yes	No	No	No
389	No	Yes	Yes	No	No	No
390	No	Yes	Yes	No	No	No
391	No	Yes	Yes	No	No	No
395	No	Yes	Yes	No	No	No
396	No	Yes	Yes	No	No	No
397	No	Yes	Yes	No	No	No
398	No	Yes	Yes	No	No	No
399	No	Yes	Yes	No	No	No
400	No	Yes	Yes	No	No	No
401	No	Yes	Yes	No	No	No
402	No	Yes	Yes	No	No	No
403	No	Yes	Yes	No	No	No
404	No	Yes	Yes	No	No	No
411	Yes	Yes	Yes	Yes	Yes	Yes
423	Yes	Yes	Yes	Yes	Yes	Yes
430	Yes	Yes	Yes	Yes	Yes	Yes
437	Yes	Yes	Yes	Yes	Yes	Yes
444	Yes	Yes	Yes	Yes	Yes	Yes
456	Yes	Yes	Yes	Yes	Yes	Yes
463	Yes	Yes	Yes	Yes	Yes	Yes
470	Yes	Yes	Yes	Yes	Yes	Yes
477	Yes	Yes	Yes	Yes	Yes	Yes
484	Yes	Yes	Yes	Yes	Yes	Yes
496	Yes	Yes	Yes	Yes	Yes	Yes
503	Yes	Yes	Yes	Yes	Yes	Yes
510	Yes	Yes	Yes	Yes	Yes	Yes
517	Yes	Yes	Yes	Yes	Yes	Yes
524	Yes	Yes	Yes	Yes	Yes	Yes

**Table 2: Joint Restraint Assignments**

Joint	U1	U2	U3	R1	R2	R3
590	Yes	Yes	Yes	Yes	Yes	Yes
597	Yes	Yes	Yes	Yes	Yes	Yes
604	Yes	Yes	Yes	Yes	Yes	Yes
611	Yes	Yes	Yes	Yes	Yes	Yes
618	Yes	Yes	Yes	Yes	Yes	Yes
630	Yes	Yes	Yes	Yes	Yes	Yes
637	Yes	Yes	Yes	Yes	Yes	Yes
644	Yes	Yes	Yes	Yes	Yes	Yes
651	Yes	Yes	Yes	Yes	Yes	Yes
658	Yes	Yes	Yes	Yes	Yes	Yes
670	Yes	Yes	Yes	Yes	Yes	Yes
677	Yes	Yes	Yes	Yes	Yes	Yes
684	Yes	Yes	Yes	Yes	Yes	Yes
691	Yes	Yes	Yes	Yes	Yes	Yes
698	Yes	Yes	Yes	Yes	Yes	Yes
710	Yes	Yes	Yes	Yes	Yes	Yes
717	Yes	Yes	Yes	Yes	Yes	Yes
724	Yes	Yes	Yes	Yes	Yes	Yes
731	Yes	Yes	Yes	Yes	Yes	Yes
738	Yes	Yes	Yes	Yes	Yes	Yes
750	Yes	Yes	Yes	Yes	Yes	Yes
757	Yes	Yes	Yes	Yes	Yes	Yes
764	Yes	Yes	Yes	Yes	Yes	Yes
771	Yes	Yes	Yes	Yes	Yes	Yes
778	Yes	Yes	Yes	Yes	Yes	Yes
790	Yes	Yes	Yes	Yes	Yes	Yes
797	Yes	Yes	Yes	Yes	Yes	Yes
804	Yes	Yes	Yes	Yes	Yes	Yes
811	Yes	Yes	Yes	Yes	Yes	Yes
818	Yes	Yes	Yes	Yes	Yes	Yes
830	Yes	Yes	Yes	Yes	Yes	Yes
837	Yes	Yes	Yes	Yes	Yes	Yes
844	Yes	Yes	Yes	Yes	Yes	Yes
851	Yes	Yes	Yes	Yes	Yes	Yes
858	Yes	Yes	Yes	Yes	Yes	Yes
865	Yes	Yes	Yes	Yes	Yes	Yes
872	Yes	Yes	Yes	Yes	Yes	Yes
879	Yes	Yes	Yes	Yes	Yes	Yes
886	Yes	Yes	Yes	Yes	Yes	Yes
893	Yes	Yes	Yes	Yes	Yes	Yes
905	Yes	Yes	Yes	Yes	Yes	Yes
912	Yes	Yes	Yes	Yes	Yes	Yes
919	Yes	Yes	Yes	Yes	Yes	Yes
926	Yes	Yes	Yes	Yes	Yes	Yes
933	Yes	Yes	Yes	Yes	Yes	Yes
945	Yes	Yes	Yes	Yes	Yes	Yes
952	Yes	Yes	Yes	Yes	Yes	Yes
959	Yes	Yes	Yes	Yes	Yes	Yes
966	Yes	Yes	Yes	Yes	Yes	Yes
973	Yes	Yes	Yes	Yes	Yes	Yes
985	Yes	Yes	Yes	Yes	Yes	Yes
992	Yes	Yes	Yes	Yes	Yes	Yes
999	Yes	Yes	Yes	Yes	Yes	Yes
1006	Yes	Yes	Yes	Yes	Yes	Yes

**Table 2: Joint Restraint Assignments**

Joint	U1	U2	U3	R1	R2	R3
1013	Yes	Yes	Yes	Yes	Yes	Yes
1025	Yes	Yes	Yes	Yes	Yes	Yes
1032	Yes	Yes	Yes	Yes	Yes	Yes
1039	Yes	Yes	Yes	Yes	Yes	Yes
1046	Yes	Yes	Yes	Yes	Yes	Yes
1053	Yes	Yes	Yes	Yes	Yes	Yes
1065	Yes	Yes	Yes	Yes	Yes	Yes
1072	Yes	Yes	Yes	Yes	Yes	Yes
1079	Yes	Yes	Yes	Yes	Yes	Yes
1086	Yes	Yes	Yes	Yes	Yes	Yes
1093	Yes	Yes	Yes	Yes	Yes	Yes
1105	Yes	Yes	Yes	Yes	Yes	Yes
1112	Yes	Yes	Yes	Yes	Yes	Yes
1119	Yes	Yes	Yes	Yes	Yes	Yes
1126	Yes	Yes	Yes	Yes	Yes	Yes
1133	Yes	Yes	Yes	Yes	Yes	Yes

### 1.3. Element connectivity

**Table 3: Connectivity - Frame**

**Table 3: Connectivity - Frame**

Frame	JointI	JointJ	IsCurved	Length	CentroidX	CentroidY	CentroidZ
				m	m	m	m
1	654	56	No	1.5	16.58	9.31692	-3.
2	1092	12	No	1.5	0.75	31.67645	0.
3	2	4	No	4.15	12.18	2.075	0.
4	58	62	No	4.15	15.61333	2.075	0.
5	10	8	No	4.15	16.83	2.075	0.
6	78	15	No	1.5	0.75	33.53977	0.
7	2	14	No	6.	12.18	4.15	-3.
8	56	57	No	0.5	15.58	9.31717	-3.
9	892	17	No	1.5	0.75	3.72665	0.
10	9	18	No	1.5	0.75	5.58997	0.
11	918	19	No	1.5	0.75	7.45328	0.
12	932	21	No	1.5	0.75	9.3166	0.
13	13	22	No	1.5	0.75	11.17992	0.
14	958	23	No	1.5	0.75	13.04323	0.
15	972	24	No	1.5	0.75	14.90655	0.
16	33	25	No	1.5	0.75	16.76987	0.
17	998	26	No	1.5	0.75	18.63318	0.
18	1012	27	No	1.5	0.75	20.4965	0.
19	48	28	No	1.5	0.75	22.35982	0.
20	1038	29	No	1.5	0.75	24.22313	0.
21	1052	30	No	1.5	0.75	26.08645	0.
22	63	31	No	1.5	0.75	27.94977	0.
23	1078	32	No	1.5	0.75	29.81308	0.
24	1118	34	No	1.5	0.75	35.40308	0.
25	1132	35	No	1.5	0.75	37.2664	0.
26	38	264	No	1.5	3.85111	38.38	0.
27	36	125	No	1.5	5.77667	38.38	0.

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**Table 3: Connectivity - Frame**

Frame	JointI	JointJ	IsCurved	Length m	CentroidX m	CentroidY m	CentroidZ m
28	37	290	No	1.5	7.70222	38.38	0.
29	854	359	No	1.5	16.58	37.26667	-3.
30	840	360	No	1.5	16.58	35.40335	-3.
31	661	84	No	1.5	16.58	10.24853	-3.
32	814	42	No	1.5	16.58	31.67672	-3.
33	84	75	No	0.5	15.58	10.2488	-3.
34	787	44	No	1.5	16.58	27.95008	-3.
35	680	54	No	1.5	16.58	13.04355	-3.
36	760	46	No	1.5	16.58	24.22345	-3.
37	54	87	No	0.5	15.58	13.04382	-3.
38	734	49	No	1.5	16.58	20.49682	-3.
39	720	51	No	1.5	16.58	18.6335	-3.
40	687	89	No	1.5	16.58	13.97522	-3.
41	694	53	No	1.5	16.58	14.90687	-3.
42	89	88	No	0.5	15.58	13.9755	-3.
43	667	55	No	1.5	16.58	11.18023	-3.
44	707	52	No	1.5	16.58	16.77018	-3.
46	59	304	No	1.5	9.6278	38.38	0.
47	60	126	No	1.5	11.55338	38.38	0.
48	5	2	No	5.15	14.755	4.15	0.
49	56	84	No	0.93157	15.83	9.78295	-3.
50	84	55	No	0.93173	15.83	10.7146	-3.
51	52	99	No	0.5	15.58	16.77047	-3.
52	55	54	No	1.8633	15.83	12.11212	-3.
53	713	101	No	1.5	16.58	17.7019	-3.
54	53	52	No	1.8633	15.83	15.83872	-3.
55	101	100	No	0.5	15.58	17.7022	-3.
56	51	49	No	1.8633	15.83	19.56532	-3.
57	49	47	No	1.8633	15.83	21.42862	-3.
58	747	47	No	1.5	16.58	22.36013	-3.
59	46	45	No	1.8633	15.83	25.15522	-3.
60	47	120	No	0.5	15.58	22.36042	-3.
61	44	43	No	1.8633	15.83	28.88182	-3.
62	753	123	No	1.5	16.58	23.2919	-3.
63	123	121	No	0.5	15.58	23.2922	-3.
64	41	360	No	1.8633	15.83	34.47172	-3.
65	360	359	No	1.8633	15.83	36.33502	-3.
66	405	17	No	2.22663	1.5	2.61332	0.
67	17	18	No	1.8633	1.5	4.65828	0.
68	18	19	No	1.8633	1.5	6.52158	0.
69	19	21	No	1.8633	1.5	8.38488	0.
70	21	22	No	1.8633	1.5	10.24818	0.
71	22	23	No	1.8633	1.5	12.11148	0.
72	23	24	No	1.8633	1.5	13.97478	0.
73	24	25	No	1.8633	1.5	15.83808	0.
74	25	26	No	1.8633	1.5	17.70138	0.
75	26	27	No	1.8633	1.5	19.56468	0.
76	27	28	No	1.8633	1.5	21.42798	0.
77	28	29	No	1.8633	1.5	23.29128	0.
78	29	30	No	1.8633	1.5	25.15458	0.
79	30	31	No	1.8633	1.5	27.01788	0.
80	31	32	No	1.8633	1.5	28.88118	0.
81	32	12	No	1.8634	1.5	30.74453	0.
82	12	15	No	1.8633	1.5	32.60788	0.

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**Table 3: Connectivity - Frame**

Frame	JointI	JointJ	IsCurved	Length m	CentroidX m	CentroidY m	CentroidZ m
83	15	34	No	1.8633	1.5	34.47118	0.
84	34	35	No	1.8633	1.5	36.33448	0.
85	640	67	No	1.5	16.58	7.4536	-3.
86	61	64	No	4.15	13.89665	2.075	0.
87	774	45	No	1.5	16.58	26.08677	-3.
88	56	67	No	1.8633	15.83	8.38552	-3.
89	67	70	No	4.46268	15.83	5.80193	-1.5
90	60	59	No	1.9256	10.59062	37.63	0.
91	59	37	No	1.9256	8.66502	37.63	0.
92	37	36	No	1.92556	6.73944	37.63	0.
93	36	38	No	1.92556	4.81389	37.63	0.
94	124	86	No	0.9313	16.83	9.78282	-3.
95	86	127	No	0.932	16.83	10.71447	-3.
96	45	143	No	0.5	15.58	26.08707	-3.
97	781	206	No	1.5	16.58	27.01858	-3.
98	206	177	No	0.5	15.58	27.0189	-3.
99	35	76	No	1.8633	1.5	38.19778	0.
100	38	77	No	2.35111	2.67556	37.63	0.
101	359	361	No	1.8633	15.83	38.19832	-3.
102	60	81	No	5.2239	13.69171	37.63	-1.5
103	800	43	No	1.5	16.58	29.8134	-3.
104	43	377	No	0.5	15.58	29.81367	-3.
105	807	379	No	1.5	16.58	30.74522	-3.
107	54	89	No	0.93167	15.83	13.5096	-3.
108	89	53	No	0.93163	15.83	14.44125	-3.
109	436	90	No	1.5	2.88833	0.75	0.
110	459	91	No	1.5	6.73944	0.75	-3.
111	466	92	No	1.5	7.70222	0.75	-3.
112	3	94	No	1.5	11.55333	0.75	0.
113	82	94	No	0.62667	11.86667	1.5	0.
114	94	92	No	4.88171	9.62778	1.5	-1.5
115	92	91	No	0.96278	7.22083	1.5	-3.
116	91	90	No	4.88171	4.81389	1.5	-1.5
117	379	378	No	0.5	15.58	30.7455	-3.
118	91	368	No	1.2	6.73944	2.1	-3.
119	92	369	No	1.2	7.70222	2.1	-3.
120	369	370	No	4.84149	9.60222	2.7	-4.5
121	371	372	No	4.84149	9.60222	1.7	-4.5
122	369	368	No	0.96278	7.22083	2.7	-3.
123	821	382	No	1.5	16.58	32.60853	-3.
124	382	385	No	0.5	15.58	32.6088	-3.
125	827	41	No	1.5	16.58	33.54003	-3.
126	41	386	No	0.5	15.58	33.54032	-3.
140	128	98	No	0.9314	16.83	13.50947	-3.
141	127	128	No	1.8633	16.83	12.11212	-3.
142	98	129	No	0.9319	16.83	14.44112	-3.
143	129	130	No	1.8633	16.83	15.83872	-3.
145	131	132	No	1.8633	16.83	19.56532	-3.
146	132	133	No	1.8633	16.83	21.42862	-3.
148	134	135	No	1.8633	16.83	25.15522	-3.
150	136	137	No	1.8633	16.83	28.88182	-3.
153	139	365	No	1.8633	16.83	34.47172	-3.
154	365	366	No	1.8633	16.83	36.33502	-3.
155	124	142	No	1.8633	16.83	8.38552	-3.

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**Table 3: Connectivity - Frame**

Frame	JointI	JointJ	IsCurved	Length m	CentroidX m	CentroidY m	CentroidZ m
156	366	367	No	1.8633	16.83	38.19832	-3.
162	151	152	No	1.9256	10.59062	38.63	0.
163	152	153	No	1.9256	8.66502	38.63	0.
164	153	154	No	1.92556	6.73944	38.63	0.
165	154	155	No	1.92556	4.81389	38.63	0.
166	155	156	No	2.35111	2.67556	38.63	0.
188	407	180	No	2.22663	0.5	2.61332	0.
189	180	181	No	1.8633	0.5	4.65828	0.
190	181	182	No	1.8633	0.5	6.52158	0.
191	182	183	No	1.8633	0.5	8.38488	0.
192	183	184	No	1.8633	0.5	10.24818	0.
193	184	185	No	1.8633	0.5	12.11148	0.
194	185	186	No	1.8633	0.5	13.97478	0.
195	186	187	No	1.8633	0.5	15.83808	0.
196	187	188	No	1.8633	0.5	17.70138	0.
197	188	189	No	1.8633	0.5	19.56468	0.
198	189	190	No	1.8633	0.5	21.42798	0.
199	190	191	No	1.8633	0.5	23.29128	0.
200	191	192	No	1.8633	0.5	25.15458	0.
201	192	193	No	1.8633	0.5	27.01788	0.
202	193	194	No	1.8633	0.5	28.88118	0.
203	194	195	No	1.8634	0.5	30.74453	0.
204	195	196	No	1.8633	0.5	32.60788	0.
205	196	197	No	1.8633	0.5	34.47118	0.
206	197	198	No	1.8633	0.5	36.33448	0.
207	198	203	No	1.8633	0.5	38.19778	0.
210	208	209	No	1.38833	2.19417	0.5	0.
212	212	213	No	0.62667	11.86667	0.5	0.
213	142	10	No	4.46268	16.83	5.80193	-1.5
214	208	214	No	4.88171	4.81389	0.5	-1.5
215	213	218	No	4.88171	9.62778	0.5	-1.5
216	151	221	No	5.2239	13.69171	38.63	-1.5
218	368	373	No	3.	6.73944	2.7	-4.5
221	52	101	No	0.93177	15.83	17.23625	-3.
222	101	51	No	0.93153	15.83	18.1679	-3.
225	130	103	No	0.9315	16.83	17.23612	-3.
226	103	131	No	0.9318	16.83	18.16777	-3.
230	47	123	No	0.93187	15.83	22.8262	-3.
231	123	46	No	0.93143	15.83	23.75785	-3.
234	133	141	No	0.9316	16.83	22.82607	-3.
235	141	134	No	0.9317	16.83	23.75772	-3.
239	45	206	No	0.93197	15.83	26.55285	-3.
240	206	44	No	0.93133	15.83	27.4845	-3.
243	135	376	No	0.9317	16.83	26.55272	-3.
244	376	136	No	0.9316	16.83	27.48437	-3.
248	43	379	No	0.93197	15.83	30.27945	-3.
249	379	42	No	0.93133	15.83	31.2111	-3.
252	137	381	No	0.9317	16.83	30.27932	-3.
253	381	138	No	0.9316	16.83	31.21097	-3.
255	42	382	No	0.93197	15.83	32.14275	-3.
256	382	41	No	0.93133	15.83	33.0744	-3.
259	138	384	No	0.9317	16.83	32.14262	-3.
260	384	139	No	0.9316	16.83	33.07427	-3.
264	75	389	No	4.84149	13.43	10.24887	-4.5

**Table 3: Connectivity - Frame**

Frame	JointI	JointJ	IsCurved	Length m	CentroidX m	CentroidY m	CentroidZ m
265	57	388	No	4.84149	13.43	9.31717	-4.5
266	88	391	No	4.84149	13.43	13.97557	-4.5
267	87	390	No	4.84149	13.43	13.04387	-4.5
270	100	396	No	4.84149	13.43	17.70227	-4.5
271	99	395	No	4.84149	13.43	16.77057	-4.5
272	121	398	No	4.84149	13.43	23.29227	-4.5
273	120	397	No	4.84149	13.43	22.36057	-4.5
274	177	400	No	4.84149	13.43	27.01897	-4.5
275	143	399	No	4.84149	13.43	26.08727	-4.5
276	378	402	No	4.84149	13.43	30.74557	-4.5
277	377	401	No	4.84149	13.43	29.81387	-4.5
278	386	404	No	4.84149	13.43	33.54057	-4.5
279	385	403	No	4.84149	13.43	32.60887	-4.5
281	405	83	No	1.49997	1.5	0.75002	0.
282	90	405	No	1.38833	2.19417	1.5	0.
289	407	205	No	1.49997	0.5	0.75002	0.
290	408	405	No	1.5	0.75	1.50002	0.

**Table 4: Frame Section Assignments**

**Table 4: Frame Section Assignments**

Frame	SectionType	AutoSelect	AnalSect	DesignSect	MatProp
1	I/Wide Flange	N.A.	IPE200	IPE200	Default
2	I/Wide Flange	N.A.	IPE200	IPE200	Default
3	I/Wide Flange	N.A.	HE320A	HE320A	Default
4	I/Wide Flange	N.A.	HE320A	HE320A	Default
5	I/Wide Flange	N.A.	HE320A	HE320A	Default
6	I/Wide Flange	N.A.	IPE200	IPE200	Default
7	I/Wide Flange	N.A.	HE320A	HE320A	Default
8	Channel	N.A.	UPE200	UPE200	Default
9	I/Wide Flange	N.A.	IPE200	IPE200	Default
10	I/Wide Flange	N.A.	IPE200	IPE200	Default
11	I/Wide Flange	N.A.	IPE200	IPE200	Default
12	I/Wide Flange	N.A.	IPE200	IPE200	Default
13	I/Wide Flange	N.A.	IPE200	IPE200	Default
14	I/Wide Flange	N.A.	IPE200	IPE200	Default
15	I/Wide Flange	N.A.	IPE200	IPE200	Default
16	I/Wide Flange	N.A.	IPE200	IPE200	Default
17	I/Wide Flange	N.A.	IPE200	IPE200	Default
18	I/Wide Flange	N.A.	IPE200	IPE200	Default
19	I/Wide Flange	N.A.	IPE200	IPE200	Default
20	I/Wide Flange	N.A.	IPE200	IPE200	Default
21	I/Wide Flange	N.A.	IPE200	IPE200	Default
22	I/Wide Flange	N.A.	IPE200	IPE200	Default
23	I/Wide Flange	N.A.	IPE200	IPE200	Default
24	I/Wide Flange	N.A.	IPE200	IPE200	Default
25	I/Wide Flange	N.A.	IPE200	IPE200	Default
26	I/Wide Flange	N.A.	IPE200	IPE200	Default
27	I/Wide Flange	N.A.	IPE200	IPE200	Default
28	I/Wide Flange	N.A.	IPE200	IPE200	Default
29	I/Wide Flange	N.A.	IPE200	IPE200	Default

**Table 4: Frame Section Assignments**

Frame	SectionType	AutoSelect	AnalSect	DesignSect	MatProp
30	I/Wide Flange	N.A.	IPE200	IPE200	Default
31	I/Wide Flange	N.A.	IPE200	IPE200	Default
32	I/Wide Flange	N.A.	IPE200	IPE200	Default
33	Channel	N.A.	UPE200	UPE200	Default
34	I/Wide Flange	N.A.	IPE200	IPE200	Default
35	I/Wide Flange	N.A.	IPE200	IPE200	Default
36	I/Wide Flange	N.A.	IPE200	IPE200	Default
37	Channel	N.A.	UPE200	UPE200	Default
38	I/Wide Flange	N.A.	IPE200	IPE200	Default
39	I/Wide Flange	N.A.	IPE200	IPE200	Default
40	I/Wide Flange	N.A.	IPE200	IPE200	Default
41	I/Wide Flange	N.A.	IPE200	IPE200	Default
42	Channel	N.A.	UPE200	UPE200	Default
43	I/Wide Flange	N.A.	IPE200	IPE200	Default
44	I/Wide Flange	N.A.	IPE200	IPE200	Default
46	I/Wide Flange	N.A.	IPE200	IPE200	Default
47	I/Wide Flange	N.A.	IPE200	IPE200	Default
48	I/Wide Flange	N.A.	HE320A	HE320A	Default
49	I/Wide Flange	N.A.	IPE120	IPE120	Default
50	I/Wide Flange	N.A.	IPE120	IPE120	Default
51	Channel	N.A.	UPE200	UPE200	Default
52	I/Wide Flange	N.A.	IPE120	IPE120	Default
53	I/Wide Flange	N.A.	IPE200	IPE200	Default
54	I/Wide Flange	N.A.	IPE120	IPE120	Default
55	Channel	N.A.	UPE200	UPE200	Default
56	I/Wide Flange	N.A.	IPE120	IPE120	Default
57	I/Wide Flange	N.A.	IPE120	IPE120	Default
58	I/Wide Flange	N.A.	IPE200	IPE200	Default
59	I/Wide Flange	N.A.	IPE120	IPE120	Default
60	Channel	N.A.	UPE200	UPE200	Default
61	I/Wide Flange	N.A.	IPE120	IPE120	Default
62	I/Wide Flange	N.A.	IPE200	IPE200	Default
63	Channel	N.A.	UPE200	UPE200	Default
64	I/Wide Flange	N.A.	IPE120	IPE120	Default
65	I/Wide Flange	N.A.	IPE120	IPE120	Default
66	I/Wide Flange	N.A.	IPE120	IPE120	Default
67	I/Wide Flange	N.A.	IPE120	IPE120	Default
68	I/Wide Flange	N.A.	IPE120	IPE120	Default
69	I/Wide Flange	N.A.	IPE120	IPE120	Default
70	I/Wide Flange	N.A.	IPE120	IPE120	Default
71	I/Wide Flange	N.A.	IPE120	IPE120	Default
72	I/Wide Flange	N.A.	IPE120	IPE120	Default
73	I/Wide Flange	N.A.	IPE120	IPE120	Default
74	I/Wide Flange	N.A.	IPE120	IPE120	Default
75	I/Wide Flange	N.A.	IPE120	IPE120	Default
76	I/Wide Flange	N.A.	IPE120	IPE120	Default
77	I/Wide Flange	N.A.	IPE120	IPE120	Default
78	I/Wide Flange	N.A.	IPE120	IPE120	Default
79	I/Wide Flange	N.A.	IPE120	IPE120	Default
80	I/Wide Flange	N.A.	IPE120	IPE120	Default
81	I/Wide Flange	N.A.	IPE120	IPE120	Default
82	I/Wide Flange	N.A.	IPE120	IPE120	Default
83	I/Wide Flange	N.A.	IPE120	IPE120	Default
84	I/Wide Flange	N.A.	IPE120	IPE120	Default

**Table 4: Frame Section Assignments**

Frame	SectionType	AutoSelect	AnalSect	DesignSect	MatProp
85	I/Wide Flange	N.A.	HE240A	HE240A	Default
86	I/Wide Flange	N.A.	HE320A	HE320A	Default
87	I/Wide Flange	N.A.	IPE200	IPE200	Default
88	I/Wide Flange	N.A.	IPE120	IPE120	Default
89	Channel	N.A.	UPE200	UPE200	Default
90	I/Wide Flange	N.A.	IPE120	IPE120	Default
91	I/Wide Flange	N.A.	IPE120	IPE120	Default
92	I/Wide Flange	N.A.	IPE120	IPE120	Default
93	I/Wide Flange	N.A.	IPE120	IPE120	Default
94	I/Wide Flange	N.A.	IPE120	IPE120	Default
95	I/Wide Flange	N.A.	IPE120	IPE120	Default
96	Channel	N.A.	UPE200	UPE200	Default
97	I/Wide Flange	N.A.	IPE200	IPE200	Default
98	Channel	N.A.	UPE200	UPE200	Default
99	I/Wide Flange	N.A.	IPE200	IPE200	Default
100	I/Wide Flange	N.A.	IPE120	IPE120	Default
101	I/Wide Flange	N.A.	IPE200	IPE200	Default
102	Channel	N.A.	UPE200	UPE200	Default
103	I/Wide Flange	N.A.	IPE200	IPE200	Default
104	Channel	N.A.	UPE200	UPE200	Default
105	I/Wide Flange	N.A.	IPE200	IPE200	Default
107	I/Wide Flange	N.A.	IPE120	IPE120	Default
108	I/Wide Flange	N.A.	IPE120	IPE120	Default
109	I/Wide Flange	N.A.	IPE200	IPE200	Default
110	I/Wide Flange	N.A.	IPE200	IPE200	Default
111	I/Wide Flange	N.A.	IPE200	IPE200	Default
112	I/Wide Flange	N.A.	IPE200	IPE200	Default
113	I/Wide Flange	N.A.	IPE200	IPE200	Default
114	Channel	N.A.	UPE200	UPE200	Default
115	I/Wide Flange	N.A.	IPE200	IPE200	Default
116	Channel	N.A.	UPE200	UPE200	Default
117	Channel	N.A.	UPE200	UPE200	Default
118	I/Wide Flange	N.A.	IPE200	IPE200	Default
119	I/Wide Flange	N.A.	IPE200	IPE200	Default
120	Channel	N.A.	UPE200	UPE200	Default
121	Channel	N.A.	UPE200	UPE200	Default
122	I/Wide Flange	N.A.	IPE200	IPE200	Default
123	I/Wide Flange	N.A.	IPE200	IPE200	Default
124	Channel	N.A.	UPE200	UPE200	Default
125	I/Wide Flange	N.A.	IPE200	IPE200	Default
126	Channel	N.A.	UPE200	UPE200	Default
140	I/Wide Flange	N.A.	IPE120	IPE120	Default
141	I/Wide Flange	N.A.	IPE120	IPE120	Default
142	I/Wide Flange	N.A.	IPE120	IPE120	Default
143	I/Wide Flange	N.A.	IPE120	IPE120	Default
145	I/Wide Flange	N.A.	IPE120	IPE120	Default
146	I/Wide Flange	N.A.	IPE120	IPE120	Default
148	I/Wide Flange	N.A.	IPE120	IPE120	Default
150	I/Wide Flange	N.A.	IPE120	IPE120	Default
153	I/Wide Flange	N.A.	IPE120	IPE120	Default
154	I/Wide Flange	N.A.	IPE120	IPE120	Default
155	I/Wide Flange	N.A.	IPE120	IPE120	Default
156	I/Wide Flange	N.A.	IPE120	IPE120	Default
162	I/Wide Flange	N.A.	IPE120	IPE120	Default

**Table 4: Frame Section Assignments**

Frame	SectionType	AutoSelect	AnalSect	DesignSect	MatProp
163	I/Wide Flange	N.A.	IPE120	IPE120	Default
164	I/Wide Flange	N.A.	IPE120	IPE120	Default
165	I/Wide Flange	N.A.	IPE120	IPE120	Default
166	I/Wide Flange	N.A.	IPE120	IPE120	Default
188	I/Wide Flange	N.A.	IPE120	IPE120	Default
189	I/Wide Flange	N.A.	IPE120	IPE120	Default
190	I/Wide Flange	N.A.	IPE120	IPE120	Default
191	I/Wide Flange	N.A.	IPE120	IPE120	Default
192	I/Wide Flange	N.A.	IPE120	IPE120	Default
193	I/Wide Flange	N.A.	IPE120	IPE120	Default
194	I/Wide Flange	N.A.	IPE120	IPE120	Default
195	I/Wide Flange	N.A.	IPE120	IPE120	Default
196	I/Wide Flange	N.A.	IPE120	IPE120	Default
197	I/Wide Flange	N.A.	IPE120	IPE120	Default
198	I/Wide Flange	N.A.	IPE120	IPE120	Default
199	I/Wide Flange	N.A.	IPE120	IPE120	Default
200	I/Wide Flange	N.A.	IPE120	IPE120	Default
201	I/Wide Flange	N.A.	IPE120	IPE120	Default
202	I/Wide Flange	N.A.	IPE120	IPE120	Default
203	I/Wide Flange	N.A.	IPE120	IPE120	Default
204	I/Wide Flange	N.A.	IPE120	IPE120	Default
205	I/Wide Flange	N.A.	IPE120	IPE120	Default
206	I/Wide Flange	N.A.	IPE120	IPE120	Default
207	I/Wide Flange	N.A.	IPE120	IPE120	Default
210	I/Wide Flange	N.A.	IPE120	IPE120	Default
212	I/Wide Flange	N.A.	IPE200	IPE200	Default
213	Channel	N.A.	UPE200	UPE200	Default
214	Channel	N.A.	UPE200	UPE200	Default
215	Channel	N.A.	UPE200	UPE200	Default
216	Channel	N.A.	UPE200	UPE200	Default
218	I/Wide Flange	N.A.	HE240A	HE240A	Default
221	I/Wide Flange	N.A.	IPE120	IPE120	Default
222	I/Wide Flange	N.A.	IPE120	IPE120	Default
225	I/Wide Flange	N.A.	IPE120	IPE120	Default
226	I/Wide Flange	N.A.	IPE120	IPE120	Default
230	I/Wide Flange	N.A.	IPE120	IPE120	Default
231	I/Wide Flange	N.A.	IPE120	IPE120	Default
234	I/Wide Flange	N.A.	IPE120	IPE120	Default
235	I/Wide Flange	N.A.	IPE120	IPE120	Default
239	I/Wide Flange	N.A.	IPE120	IPE120	Default
240	I/Wide Flange	N.A.	IPE120	IPE120	Default
243	I/Wide Flange	N.A.	IPE120	IPE120	Default
244	I/Wide Flange	N.A.	IPE120	IPE120	Default
248	I/Wide Flange	N.A.	IPE120	IPE120	Default
249	I/Wide Flange	N.A.	IPE120	IPE120	Default
252	I/Wide Flange	N.A.	IPE120	IPE120	Default
253	I/Wide Flange	N.A.	IPE120	IPE120	Default
255	I/Wide Flange	N.A.	IPE120	IPE120	Default
256	I/Wide Flange	N.A.	IPE120	IPE120	Default
259	I/Wide Flange	N.A.	IPE120	IPE120	Default
260	I/Wide Flange	N.A.	IPE120	IPE120	Default
264	Channel	N.A.	UPE200	UPE200	Default
265	Channel	N.A.	UPE200	UPE200	Default
266	Channel	N.A.	UPE200	UPE200	Default

**Table 4: Frame Section Assignments**

Frame	SectionType	AutoSelect	AnalSect	DesignSect	MatProp
267	Channel	N.A.	UPE200	UPE200	Default
270	Channel	N.A.	UPE200	UPE200	Default
271	Channel	N.A.	UPE200	UPE200	Default
272	Channel	N.A.	UPE200	UPE200	Default
273	Channel	N.A.	UPE200	UPE200	Default
274	Channel	N.A.	UPE200	UPE200	Default
275	Channel	N.A.	UPE200	UPE200	Default
276	Channel	N.A.	UPE200	UPE200	Default
277	Channel	N.A.	UPE200	UPE200	Default
278	Channel	N.A.	UPE200	UPE200	Default
279	Channel	N.A.	UPE200	UPE200	Default
281	I/Wide Flange	N.A.	IPE200	IPE200	Default
282	I/Wide Flange	N.A.	IPE120	IPE120	Default
289	I/Wide Flange	N.A.	IPE120	IPE120	Default
290	I/Wide Flange	N.A.	IPE200	IPE200	Default

**Table 5: Frame Release Assignments 1 - General, Part 1 of 2**

**Table 5: Frame Release Assignments 1 - General, Part 1 of 2**

Frame	PI	V2I	V3I	TI	M2I	M3I	PJ	V2J	V3J	TJ	M2J	M3J
3	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
4	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
5	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
8	No	No	No	No	Yes	Yes	No	No	No	No	No	No
33	No	No	No	No	Yes	Yes	No	No	No	No	No	No
37	No	No	No	No	Yes	Yes	No	No	No	No	No	No
42	No	No	No	No	Yes	Yes	No	No	No	No	No	No
48	No	No	No	No	Yes	Yes	No	No	No	No	No	No
49	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
50	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
51	No	No	No	No	Yes	Yes	No	No	No	No	No	No
52	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
54	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
55	No	No	No	No	Yes	Yes	No	No	No	No	No	No
56	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
57	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
59	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
60	No	No	No	No	Yes	Yes	No	No	No	No	No	No
61	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
63	No	No	No	No	Yes	Yes	No	No	No	No	No	No
64	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
65	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
66	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
67	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
68	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
69	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
70	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
71	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
72	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
73	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
74	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes

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Table 5: Frame Release Assignments 1 - General, Part 1 of 2

Frame	PI	V2I	V3I	TI	M2I	M3I	PJ	V2J	V3J	TJ	M2J	M3J
75	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
76	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
77	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
78	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
79	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
80	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
81	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
82	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
83	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
84	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
86	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
88	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
89	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
90	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
91	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
92	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
93	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
94	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
95	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
96	No	No	No	No	Yes	Yes	No	No	No	No	No	No
98	No	No	No	No	Yes	Yes	No	No	No	No	No	No
100	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
102	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
104	No	No	No	No	Yes	Yes	No	No	No	No	No	No
107	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
108	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
113	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
114	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
116	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
117	No	No	No	No	Yes	Yes	No	No	No	No	No	No
120	No	No	No	No	Yes	Yes	No	No	No	No	No	No
121	No	No	No	No	Yes	Yes	No	No	No	No	No	No
124	No	No	No	No	Yes	Yes	No	No	No	No	No	No
126	No	No	No	No	Yes	Yes	No	No	No	No	No	No
140	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
141	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
142	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
143	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
145	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
146	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
148	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
150	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
153	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
154	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
155	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
156	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
162	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
163	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
164	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
165	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
166	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
188	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
189	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
190	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes

**Table 5: Frame Release Assignments 1 - General, Part 1 of 2**

Frame	PI	V2I	V3I	TI	M2I	M3I	PJ	V2J	V3J	TJ	M2J	M3J
191	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
192	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
193	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
194	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
195	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
196	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
197	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
198	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
199	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
200	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
201	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
202	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
203	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
204	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
205	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
206	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
207	No	No	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes
212	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
213	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
214	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
215	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
216	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
221	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
222	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
225	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
226	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
230	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
231	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
234	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
235	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
239	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
240	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
243	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
244	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
248	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
249	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
252	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
253	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
255	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
256	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
259	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
260	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes
289	No	No	No	No	Yes	Yes	No	No	No	No	Yes	Yes

**Table 5: Frame Release Assignments 1 - General, Part 2 of 2**

Table 5: Frame Release Assignments 1 - General, Part 2 of 2

Frame	PartialFix
3	No

**Table 5: Frame  
Release  
Assignments 1 -  
General, Part 2 of 2**

Frame	PartialFix
4	No
5	No
8	No
33	No
37	No
42	No
48	No
49	No
50	No
51	No
52	No
54	No
55	No
56	No
57	No
59	No
60	No
61	No
63	No
64	No
65	No
66	No
67	No
68	No
69	No
70	No
71	No
72	No
73	No
74	No
75	No
76	No
77	No
78	No
79	No
80	No
81	No
82	No
83	No
84	No
86	No
88	No
89	No
90	No
91	No
92	No
93	No
94	No
95	No
96	No
98	No

**Table 5: Frame  
Release  
Assignments 1 -  
General, Part 2 of 2**

Frame	PartialFix
100	No
102	No
104	No
107	No
108	No
113	No
114	No
116	No
117	No
120	No
121	No
124	No
126	No
140	No
141	No
142	No
143	No
145	No
146	No
148	No
150	No
153	No
154	No
155	No
156	No
162	No
163	No
164	No
165	No
166	No
188	No
189	No
190	No
191	No
192	No
193	No
194	No
195	No
196	No
197	No
198	No
199	No
200	No
201	No
202	No
203	No
204	No
205	No
206	No
207	No
212	No

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**Table 5: Frame Release Assignments 1 - General, Part 2 of 2**

Frame	PartialFix
213	No
214	No
215	No
216	No
221	No
222	No
225	No
226	No
230	No
231	No
234	No
235	No
239	No
240	No
243	No
244	No
248	No
249	No
252	No
253	No
255	No
256	No
259	No
260	No
289	No

**Table 6: Connectivity - Area, Part 1 of 2**

Table 6: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
1	4	241	243	76	374	3.074445	0.537222
2	4	374	76	250	249	2.851111	0.425556
3	4	242	107	203	375	3.	0.5
4	4	375	203	243	241	2.925556	0.462778
24	4	199	234	233	232	3.925556	0.962778
25	4	234	236	235	233	3.925556	0.962778
26	4	236	238	237	235	3.925555	0.962778
27	4	238	240	239	237	3.925555	0.962778
28	4	240	242	241	239	3.925555	0.962778
30	4	232	233	245	244	3.925556	0.962778
31	4	233	235	246	245	3.925556	0.962778
32	4	235	237	247	246	3.925555	0.962778
33	4	237	239	248	247	3.925555	0.962778
34	4	239	241	249	248	3.925555	0.962778
36	4	244	245	252	251	3.925556	0.962778
37	4	245	246	253	252	3.925556	0.962778
38	4	246	247	254	253	3.925555	0.962778
39	4	247	248	255	254	3.925555	0.962778

**Table 6: Connectivity - Area, Part 1 of 2**

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
40	4	248	249	256	255	3.925555	0.962778
41	4	249	250	257	256	3.925555	0.962778
42	4	251	252	259	258	3.925556	0.962778
43	4	252	253	260	259	3.925556	0.962778
44	4	253	254	261	260	3.925555	0.962778
45	4	254	255	262	261	3.925555	0.962778
46	4	255	256	263	262	3.925555	0.962778
47	4	256	257	264	263	3.925555	0.962778
48	4	258	259	266	265	3.925556	0.962778
49	4	259	260	267	266	3.925556	0.962778
50	4	260	261	268	267	3.925555	0.962778
51	4	261	262	269	268	3.925555	0.962778
52	4	262	263	270	269	3.925555	0.962778
53	4	263	264	271	270	3.925555	0.962778
54	4	265	266	272	200	3.925556	0.962778
55	4	266	267	273	272	3.925556	0.962778
56	4	267	268	274	273	3.925555	0.962778
57	4	268	269	275	274	3.925555	0.962778
58	4	269	270	276	275	3.925555	0.962778
59	4	270	271	125	276	3.925555	0.962778
60	4	200	272	278	277	3.925556	0.962778
61	4	272	273	279	278	3.925556	0.962778
62	4	273	274	280	279	3.925556	0.962778
63	4	274	275	281	280	3.925556	0.962778
64	4	275	276	282	281	3.925556	0.962778
65	4	276	125	283	282	3.925555	0.962778
66	4	277	278	285	284	3.925556	0.962778
67	4	278	279	286	285	3.925556	0.962778
68	4	279	280	287	286	3.925556	0.962778
69	4	280	281	288	287	3.925556	0.962778
70	4	281	282	289	288	3.925556	0.962778
71	4	282	283	290	289	3.925555	0.962778
72	4	284	285	292	291	3.925556	0.962778
73	4	285	286	293	292	3.925556	0.962778
74	4	286	287	294	293	3.925556	0.962778
75	4	287	288	295	294	3.925556	0.962778
76	4	288	289	296	295	3.925556	0.962778
77	4	289	290	297	296	3.925555	0.962778
78	4	291	292	299	298	3.925556	0.962778
79	4	292	293	300	299	3.925556	0.962778
80	4	293	294	301	300	3.925556	0.962778
81	4	294	295	302	301	3.925556	0.962778
82	4	295	296	303	302	3.925556	0.962778
83	4	296	297	304	303	3.925555	0.962778
84	4	298	299	306	305	3.925556	0.962778
85	4	299	300	307	306	3.925556	0.962778
86	4	300	301	308	307	3.925556	0.962778
87	4	301	302	309	308	3.925556	0.962778
88	4	302	303	310	309	3.925556	0.962778
89	4	303	304	311	310	3.925555	0.962778
90	4	305	306	312	201	3.925556	0.962778
91	4	306	307	313	312	3.925556	0.962778
92	4	307	308	314	313	3.925556	0.962778
93	4	308	309	315	314	3.925556	0.962778

Table 6: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
94	4	309	310	316	315	3.925556	0.962778
95	4	310	311	126	316	3.925555	0.962778
96	4	201	312	318	317	3.925555	0.962777
97	4	312	313	319	318	3.925555	0.962777
98	4	313	314	320	319	3.925555	0.962778
99	4	314	315	321	320	3.925555	0.962778
100	4	315	316	322	321	3.925555	0.962778
101	4	316	126	323	322	3.925555	0.962778
102	4	317	318	325	324	3.925555	0.962777
103	4	318	319	326	325	3.925555	0.962777
104	4	319	320	327	326	3.925555	0.962778
105	4	320	321	328	327	3.925555	0.962778
106	4	321	322	329	328	3.925555	0.962778
107	4	322	323	330	329	3.925555	0.962778
108	4	324	325	332	331	3.925555	0.962777
109	4	325	326	333	332	3.925555	0.962777
110	4	326	327	334	333	3.925555	0.962778
111	4	327	328	335	334	3.925555	0.962778
112	4	328	329	336	335	3.925555	0.962778
113	4	329	330	337	336	3.925555	0.962778
114	4	331	332	339	338	3.925555	0.962777
115	4	332	333	340	339	3.925555	0.962777
116	4	333	334	341	340	3.925555	0.962778
117	4	334	335	342	341	3.925555	0.962778
118	4	335	336	343	342	3.925555	0.962778
119	4	336	337	344	343	3.925555	0.962778
120	4	338	339	346	345	3.925555	0.962777
121	4	339	340	347	346	3.925555	0.962777
122	4	340	341	348	347	3.925555	0.962778
123	4	341	342	349	348	3.925555	0.962778
124	4	342	343	350	349	3.925555	0.962778
125	4	343	344	351	350	3.925555	0.962778
126	4	345	346	352	202	3.925555	0.962777
127	4	346	347	353	352	3.925555	0.962777
128	4	347	348	354	353	3.925555	0.962778
129	4	348	349	355	354	3.925555	0.962778
130	4	349	350	356	355	3.925555	0.962778
131	4	350	351	109	356	3.925555	0.962778
180	4	204	411	412	413	3.925556	0.962778
181	4	413	412	414	415	3.925556	0.962778
182	4	415	414	416	417	3.925555	0.962778
183	4	417	416	418	419	3.925555	0.962778
184	4	419	418	420	421	3.925555	0.962778
185	4	421	420	422	93	3.925555	0.962778
186	4	411	423	424	412	3.925556	0.962778
187	4	412	424	425	414	3.925556	0.962778
188	4	414	425	426	416	3.925555	0.962778
189	4	416	426	427	418	3.925555	0.962778
190	4	418	427	428	420	3.925555	0.962778
191	4	420	428	429	422	3.925555	0.962778
192	4	423	430	431	424	3.925556	0.962778
193	4	424	431	432	425	3.925556	0.962778
194	4	425	432	433	426	3.925555	0.962778
195	4	426	433	434	427	3.925555	0.962778

Table 6: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
196	4	427	434	435	428	3.925555	0.962778
197	4	428	435	436	429	3.925555	0.962778
198	4	430	437	438	431	3.925556	0.962778
199	4	431	438	439	432	3.925556	0.962778
200	4	432	439	440	433	3.925555	0.962778
201	4	433	440	441	434	3.925555	0.962778
202	4	434	441	442	435	3.925555	0.962778
203	4	435	442	443	436	3.925555	0.962778
204	4	437	444	445	438	3.925556	0.962778
205	4	438	445	446	439	3.925556	0.962778
206	4	439	446	447	440	3.925555	0.962778
207	4	440	447	448	441	3.925555	0.962778
208	4	441	448	449	442	3.925555	0.962778
209	4	442	449	450	443	3.925555	0.962778
210	4	444	215	451	445	3.925556	0.962778
211	4	445	451	452	446	3.925556	0.962778
212	4	446	452	453	447	3.925555	0.962778
213	4	447	453	454	448	3.925555	0.962778
214	4	448	454	455	449	3.925555	0.962778
215	4	449	455	1	450	3.925555	0.962778
216	4	215	456	457	451	3.925556	0.962778
217	4	451	457	458	452	3.925556	0.962778
218	4	452	458	459	453	3.925556	0.962778
219	4	453	459	460	454	3.925556	0.962778
220	4	454	460	461	455	3.925556	0.962778
221	4	455	461	462	1	3.925555	0.962778
222	4	456	463	464	457	3.925556	0.962778
223	4	457	464	465	458	3.925556	0.962778
224	4	458	465	466	459	3.925556	0.962778
225	4	459	466	467	460	3.925556	0.962778
226	4	460	467	468	461	3.925556	0.962778
227	4	461	468	469	462	3.925555	0.962778
228	4	463	470	471	464	3.925556	0.962778
229	4	464	471	472	465	3.925556	0.962778
230	4	465	472	473	466	3.925556	0.962778
231	4	466	473	474	467	3.925556	0.962778
232	4	467	474	475	468	3.925556	0.962778
233	4	468	475	476	469	3.925555	0.962778
234	4	470	477	478	471	3.925556	0.962778
235	4	471	478	479	472	3.925556	0.962778
236	4	472	479	480	473	3.925556	0.962778
237	4	473	480	481	474	3.925556	0.962778
238	4	474	481	482	475	3.925556	0.962778
239	4	475	482	483	476	3.925555	0.962778
240	4	477	484	485	478	3.925556	0.962778
241	4	478	485	486	479	3.925556	0.962778
242	4	479	486	487	480	3.925556	0.962778
243	4	480	487	488	481	3.925556	0.962778
244	4	481	488	489	482	3.925556	0.962778
245	4	482	489	490	483	3.925555	0.962778
246	4	484	216	491	485	3.925556	0.962778
247	4	485	491	492	486	3.925556	0.962778
248	4	486	492	493	487	3.925556	0.962778
249	4	487	493	494	488	3.925556	0.962778

Table 6: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
250	4	488	494	495	489	3.925556	0.962778
251	4	489	495	3	490	3.925555	0.962778
252	4	216	496	497	491	3.925555	0.962777
253	4	491	497	498	492	3.925555	0.962777
254	4	492	498	499	493	3.925555	0.962778
255	4	493	499	500	494	3.925555	0.962778
256	4	494	500	501	495	3.925555	0.962778
257	4	495	501	502	3	3.925555	0.962778
258	4	496	503	504	497	3.925555	0.962777
259	4	497	504	505	498	3.925555	0.962777
260	4	498	505	506	499	3.925555	0.962778
261	4	499	506	507	500	3.925555	0.962778
262	4	500	507	508	501	3.925555	0.962778
263	4	501	508	509	502	3.925555	0.962778
264	4	503	510	511	504	3.925555	0.962777
265	4	504	511	512	505	3.925555	0.962777
266	4	505	512	513	506	3.925555	0.962778
267	4	506	513	514	507	3.925555	0.962778
268	4	507	514	515	508	3.925555	0.962778
269	4	508	515	516	509	3.925555	0.962778
270	4	510	517	518	511	3.925555	0.962777
271	4	511	518	519	512	3.925555	0.962777
272	4	512	519	520	513	3.925555	0.962778
273	4	513	520	521	514	3.925555	0.962778
274	4	514	521	522	515	3.925555	0.962778
275	4	515	522	523	516	3.925555	0.962778
276	4	517	524	525	518	3.925555	0.962777
277	4	518	525	526	519	3.925555	0.962777
278	4	519	526	527	520	3.925555	0.962778
279	4	520	527	528	521	3.925555	0.962778
280	4	521	528	529	522	3.925555	0.962778
281	4	522	529	530	523	3.925555	0.962778
282	4	524	217	531	525	3.925555	0.962777
283	4	525	531	532	526	3.925555	0.962777
284	4	526	532	533	527	3.925555	0.962778
285	4	527	533	534	528	3.925555	0.962778
286	4	528	534	535	529	3.925555	0.962778
287	4	529	535	95	530	3.925555	0.962778
336	4	217	590	591	531	3.863333	0.931666
337	4	531	591	592	532	3.863333	0.931667
338	4	532	592	593	533	3.863333	0.931667
339	4	533	593	594	534	3.863333	0.931667
340	4	534	594	595	535	3.863333	0.931667
341	4	535	595	1140	95	3.863333	0.931667
342	4	590	597	598	591	3.863333	0.931667
343	4	591	598	599	592	3.863333	0.931667
344	4	592	599	600	593	3.863333	0.931667
345	4	593	600	601	594	3.863333	0.931667
346	4	594	601	602	595	3.863333	0.931667
347	4	595	602	1141	1140	3.863333	0.931667
348	4	597	604	605	598	3.863333	0.931667
349	4	598	605	606	599	3.863333	0.931667
350	4	599	606	607	600	3.863333	0.931667
351	4	600	607	608	601	3.863333	0.931667

Table 6: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
352	4	601	608	609	602	3.863333	0.931667
353	4	602	609	1142	1141	3.863333	0.931667
354	4	604	611	612	605	3.863333	0.931667
355	4	605	612	613	606	3.863333	0.931667
356	4	606	613	614	607	3.863333	0.931667
357	4	607	614	615	608	3.863333	0.931667
358	4	608	615	616	609	3.863333	0.931667
359	4	609	616	1143	1142	3.863333	0.931667
360	4	611	618	619	612	3.863333	0.931667
361	4	612	619	620	613	3.863333	0.931667
362	4	613	620	621	614	3.863333	0.931667
363	4	614	621	622	615	3.863333	0.931667
364	4	615	622	623	616	3.863333	0.931667
365	4	616	623	1144	1143	3.863333	0.931667
366	4	618	219	625	619	3.863333	0.931667
367	4	619	625	626	620	3.863333	0.931667
368	4	620	626	627	621	3.863333	0.931667
369	4	621	627	628	622	3.863333	0.931667
370	4	622	628	629	623	3.863333	0.931667
371	4	623	629	11	1144	3.863333	0.931667
372	4	219	630	631	625	3.863333	0.931667
373	4	625	631	632	626	3.863333	0.931667
374	4	626	632	633	627	3.863333	0.931667
375	4	627	633	634	628	3.863333	0.931667
376	4	628	634	635	629	3.863333	0.931667
377	4	629	635	1145	11	3.863333	0.931666
378	4	630	637	638	631	3.863333	0.931667
379	4	631	638	639	632	3.863333	0.931667
380	4	632	639	640	633	3.863333	0.931667
381	4	633	640	641	634	3.863333	0.931667
382	4	634	641	642	635	3.863333	0.931667
383	4	635	642	1146	1145	3.863333	0.931667
384	4	637	644	645	638	3.863333	0.931667
385	4	638	645	646	639	3.863333	0.931667
386	4	639	646	647	640	3.863333	0.931667
387	4	640	647	648	641	3.863333	0.931667
388	4	641	648	649	642	3.863333	0.931667
389	4	642	649	1147	1146	3.863333	0.931667
390	4	644	651	652	645	3.863333	0.931667
391	4	645	652	653	646	3.863333	0.931667
392	4	646	653	654	647	3.863333	0.931667
393	4	647	654	655	648	3.863333	0.931667
394	4	648	655	656	649	3.863333	0.931667
395	4	649	656	1148	1147	3.863333	0.931667
396	4	651	658	659	652	3.863333	0.931667
397	4	652	659	660	653	3.863333	0.931667
398	4	653	660	661	654	3.863333	0.931667
399	4	654	661	662	655	3.863333	0.931667
400	4	655	662	663	656	3.863333	0.931667
401	4	656	663	1149	1148	3.863333	0.931667
402	4	658	220	665	659	3.863333	0.931667
403	4	659	665	666	660	3.863333	0.931667
404	4	660	666	667	661	3.863333	0.931667
405	4	661	667	668	662	3.863333	0.931667

Table 6: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
406	4	662	668	669	663	3.863333	0.931667
407	4	663	669	20	1149	3.863334	0.931667
408	4	220	670	671	665	3.863334	0.931667
409	4	665	671	672	666	3.863334	0.931667
410	4	666	672	673	667	3.863334	0.931667
411	4	667	673	674	668	3.863334	0.931667
412	4	668	674	675	669	3.863334	0.931667
413	4	669	675	1150	20	3.863332	0.931666
414	4	670	677	678	671	3.863334	0.931667
415	4	671	678	679	672	3.863334	0.931667
416	4	672	679	680	673	3.863334	0.931667
417	4	673	680	681	674	3.863334	0.931667
418	4	674	681	682	675	3.863334	0.931667
419	4	675	682	1151	1150	3.863334	0.931667
420	4	677	684	685	678	3.863334	0.931667
421	4	678	685	686	679	3.863334	0.931667
422	4	679	686	687	680	3.863334	0.931667
423	4	680	687	688	681	3.863334	0.931667
424	4	681	688	689	682	3.863334	0.931667
425	4	682	689	1152	1151	3.863334	0.931667
426	4	684	691	692	685	3.863334	0.931667
427	4	685	692	693	686	3.863334	0.931667
428	4	686	693	694	687	3.863334	0.931667
429	4	687	694	695	688	3.863334	0.931667
430	4	688	695	696	689	3.863334	0.931667
431	4	689	696	1153	1152	3.863334	0.931667
432	4	691	698	699	692	3.863334	0.931667
433	4	692	699	700	693	3.863334	0.931667
434	4	693	700	701	694	3.863334	0.931667
435	4	694	701	702	695	3.863334	0.931667
436	4	695	702	703	696	3.863334	0.931667
437	4	696	703	1154	1153	3.863334	0.931667
438	4	698	222	705	699	3.863334	0.931667
439	4	699	705	706	700	3.863334	0.931667
440	4	700	706	707	701	3.863334	0.931667
441	4	701	707	708	702	3.863334	0.931667
442	4	702	708	709	703	3.863334	0.931667
443	4	703	709	147	1154	3.863334	0.931667
444	4	222	710	711	705	3.863334	0.931667
445	4	705	711	712	706	3.863334	0.931667
446	4	706	712	713	707	3.863334	0.931667
447	4	707	713	714	708	3.863334	0.931667
448	4	708	714	715	709	3.863334	0.931667
449	4	709	715	1155	147	3.863333	0.931667
450	4	710	717	718	711	3.863334	0.931667
451	4	711	718	719	712	3.863334	0.931667
452	4	712	719	720	713	3.863334	0.931667
453	4	713	720	721	714	3.863334	0.931667
454	4	714	721	722	715	3.863334	0.931667
455	4	715	722	1156	1155	3.863333	0.931667
456	4	717	724	725	718	3.863334	0.931667
457	4	718	725	726	719	3.863334	0.931667
458	4	719	726	727	720	3.863334	0.931667
459	4	720	727	728	721	3.863334	0.931667

**Table 6: Connectivity - Area, Part 1 of 2**

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
460	4	721	728	729	722	3.863334	0.931667
461	4	722	729	1157	1156	3.863333	0.931667
462	4	724	731	732	725	3.863334	0.931667
463	4	725	732	733	726	3.863334	0.931667
464	4	726	733	734	727	3.863334	0.931667
465	4	727	734	735	728	3.863334	0.931667
466	4	728	735	736	729	3.863334	0.931667
467	4	729	736	1158	1157	3.863333	0.931667
468	4	731	738	739	732	3.863334	0.931667
469	4	732	739	740	733	3.863334	0.931667
470	4	733	740	741	734	3.863334	0.931667
471	4	734	741	742	735	3.863334	0.931667
472	4	735	742	743	736	3.863334	0.931667
473	4	736	743	1159	1158	3.863333	0.931667
474	4	738	223	745	739	3.863334	0.931667
475	4	739	745	746	740	3.863334	0.931667
476	4	740	746	747	741	3.863334	0.931667
477	4	741	747	748	742	3.863334	0.931667
478	4	742	748	749	743	3.863334	0.931667
479	4	743	749	50	1159	3.863333	0.931667
480	4	223	750	751	745	3.863334	0.931667
481	4	745	751	752	746	3.863334	0.931667
482	4	746	752	753	747	3.863334	0.931667
483	4	747	753	754	748	3.863334	0.931667
484	4	748	754	755	749	3.863334	0.931667
485	4	749	755	1160	50	3.863333	0.931667
486	4	750	757	758	751	3.863334	0.931667
487	4	751	758	759	752	3.863334	0.931667
488	4	752	759	760	753	3.863334	0.931667
489	4	753	760	761	754	3.863334	0.931667
490	4	754	761	762	755	3.863334	0.931667
491	4	755	762	1161	1160	3.863333	0.931667
492	4	757	764	765	758	3.863334	0.931667
493	4	758	765	766	759	3.863334	0.931667
494	4	759	766	767	760	3.863334	0.931667
495	4	760	767	768	761	3.863334	0.931667
496	4	761	768	769	762	3.863334	0.931667
497	4	762	769	1162	1161	3.863333	0.931667
498	4	764	771	772	765	3.863334	0.931667
499	4	765	772	773	766	3.863334	0.931667
500	4	766	773	774	767	3.863334	0.931667
501	4	767	774	775	768	3.863334	0.931667
502	4	768	775	776	769	3.863334	0.931667
503	4	769	776	1163	1162	3.863333	0.931667
504	4	771	778	779	772	3.863334	0.931667
505	4	772	779	780	773	3.863334	0.931667
506	4	773	780	781	774	3.863334	0.931667
507	4	774	781	782	775	3.863334	0.931667
508	4	775	782	783	776	3.863334	0.931667
509	4	776	783	1164	1163	3.863333	0.931667
510	4	778	224	785	779	3.863334	0.931667
511	4	779	785	786	780	3.863334	0.931667
512	4	780	786	787	781	3.863334	0.931667
513	4	781	787	788	782	3.863334	0.931667

**Table 6: Connectivity - Area, Part 1 of 2**

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
514	4	782	788	789	783	3.863334	0.931667
515	4	783	789	65	1164	3.863333	0.931667
516	4	224	790	791	785	3.863334	0.931667
517	4	785	791	792	786	3.863334	0.931667
518	4	786	792	793	787	3.863334	0.931667
519	4	787	793	794	788	3.863334	0.931667
520	4	788	794	795	789	3.863334	0.931667
521	4	789	795	1165	65	3.863334	0.931667
522	4	790	797	798	791	3.863334	0.931667
523	4	791	798	799	792	3.863334	0.931667
524	4	792	799	800	793	3.863334	0.931667
525	4	793	800	801	794	3.863334	0.931667
526	4	794	801	802	795	3.863334	0.931667
527	4	795	802	1166	1165	3.863334	0.931667
528	4	797	804	805	798	3.863334	0.931667
529	4	798	805	806	799	3.863334	0.931667
530	4	799	806	807	800	3.863334	0.931667
531	4	800	807	808	801	3.863334	0.931667
532	4	801	808	809	802	3.863334	0.931667
533	4	802	809	1167	1166	3.863334	0.931667
534	4	804	811	812	805	3.863334	0.931667
535	4	805	812	813	806	3.863334	0.931667
536	4	806	813	814	807	3.863334	0.931667
537	4	807	814	815	808	3.863334	0.931667
538	4	808	815	816	809	3.863334	0.931667
539	4	809	816	1168	1167	3.863334	0.931667
540	4	811	818	819	812	3.863334	0.931667
541	4	812	819	820	813	3.863334	0.931667
542	4	813	820	821	814	3.863334	0.931667
543	4	814	821	822	815	3.863334	0.931667
544	4	815	822	823	816	3.863334	0.931667
545	4	816	823	1169	1168	3.863334	0.931667
546	4	818	225	825	819	3.863334	0.931667
547	4	819	825	826	820	3.863334	0.931667
548	4	820	826	827	821	3.863334	0.931667
549	4	821	827	828	822	3.863334	0.931667
550	4	822	828	829	823	3.863334	0.931667
551	4	823	829	80	1169	3.863334	0.931667
552	4	225	830	831	825	3.863333	0.931667
553	4	825	831	832	826	3.863333	0.931667
554	4	826	832	833	827	3.863333	0.931667
555	4	827	833	834	828	3.863333	0.931667
556	4	828	834	835	829	3.863333	0.931667
557	4	829	835	1170	80	3.863333	0.931667
558	4	830	837	838	831	3.863333	0.931667
559	4	831	838	839	832	3.863333	0.931667
560	4	832	839	840	833	3.863333	0.931667
561	4	833	840	841	834	3.863333	0.931667
562	4	834	841	842	835	3.863333	0.931667
563	4	835	842	1171	1170	3.863333	0.931667
564	4	837	844	845	838	3.863333	0.931667
565	4	838	845	846	839	3.863333	0.931667
566	4	839	846	847	840	3.863333	0.931667
567	4	840	847	848	841	3.863333	0.931667

Table 6: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
568	4	841	848	849	842	3.863333	0.931667
569	4	842	849	1172	1171	3.863333	0.931667
570	4	844	851	852	845	3.863333	0.931667
571	4	845	852	853	846	3.863333	0.931667
572	4	846	853	854	847	3.863333	0.931667
573	4	847	854	855	848	3.863333	0.931667
574	4	848	855	856	849	3.863333	0.931667
575	4	849	856	1173	1172	3.863333	0.931667
576	4	851	858	859	852	3.863333	0.931666
577	4	852	859	860	853	3.863333	0.931667
578	4	853	860	861	854	3.863333	0.931667
579	4	854	861	862	855	3.863333	0.931667
580	4	855	862	863	856	3.863333	0.931667
581	4	856	863	1174	1173	3.863333	0.931667
582	4	858	202	352	859	3.863333	0.931666
583	4	859	352	353	860	3.863333	0.931666
584	4	860	353	354	861	3.863333	0.931667
585	4	861	354	355	862	3.863333	0.931667
586	4	862	355	356	863	3.863333	0.931667
587	4	863	356	109	1174	3.863333	0.931667
588	4	204	413	866	865	3.863333	0.931666
589	4	413	415	867	866	3.863333	0.931667
590	4	415	417	868	867	3.863333	0.931667
591	4	417	419	869	868	3.863333	0.931667
592	4	419	421	870	869	3.863333	0.931667
593	4	421	93	871	870	3.863333	0.931667
594	4	865	866	873	872	3.863333	0.931667
595	4	866	867	874	873	3.863333	0.931667
596	4	867	868	875	874	3.863333	0.931667
597	4	868	869	876	875	3.863333	0.931667
598	4	869	870	877	876	3.863333	0.931667
599	4	870	871	878	877	3.863333	0.931667
600	4	872	873	880	879	3.863333	0.931667
601	4	873	874	881	880	3.863333	0.931667
602	4	874	875	882	881	3.863333	0.931667
603	4	875	876	883	882	3.863333	0.931667
604	4	876	877	884	883	3.863333	0.931667
605	4	877	878	885	884	3.863333	0.931667
606	4	879	880	887	886	3.863333	0.931667
607	4	880	881	888	887	3.863333	0.931667
608	4	881	882	889	888	3.863333	0.931667
609	4	882	883	890	889	3.863333	0.931667
610	4	883	884	891	890	3.863333	0.931667
611	4	884	885	892	891	3.863333	0.931667
612	4	886	887	894	893	3.863333	0.931667
613	4	887	888	895	894	3.863333	0.931667
614	4	888	889	896	895	3.863333	0.931667
615	4	889	890	897	896	3.863333	0.931667
616	4	890	891	898	897	3.863333	0.931667
617	4	891	892	899	898	3.863333	0.931667
618	4	893	894	900	226	3.863333	0.931667
619	4	894	895	901	900	3.863333	0.931667
620	4	895	896	902	901	3.863333	0.931667
621	4	896	897	903	902	3.863333	0.931667

Table 6: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
622	4	897	898	904	903	3.863333	0.931667
623	4	898	899	9	904	3.863333	0.931667
624	4	226	900	906	905	3.863333	0.931667
625	4	900	901	907	906	3.863333	0.931667
626	4	901	902	908	907	3.863333	0.931667
627	4	902	903	909	908	3.863333	0.931667
628	4	903	904	910	909	3.863333	0.931667
629	4	904	9	911	910	3.863333	0.931667
630	4	905	906	913	912	3.863333	0.931667
631	4	906	907	914	913	3.863333	0.931667
632	4	907	908	915	914	3.863333	0.931667
633	4	908	909	916	915	3.863333	0.931667
634	4	909	910	917	916	3.863333	0.931667
635	4	910	911	918	917	3.863333	0.931667
636	4	912	913	920	919	3.863333	0.931667
637	4	913	914	921	920	3.863333	0.931667
638	4	914	915	922	921	3.863333	0.931667
639	4	915	916	923	922	3.863333	0.931667
640	4	916	917	924	923	3.863333	0.931667
641	4	917	918	925	924	3.863333	0.931667
642	4	919	920	927	926	3.863333	0.931667
643	4	920	921	928	927	3.863333	0.931667
644	4	921	922	929	928	3.863333	0.931667
645	4	922	923	930	929	3.863333	0.931667
646	4	923	924	931	930	3.863333	0.931667
647	4	924	925	932	931	3.863333	0.931667
648	4	926	927	934	933	3.863333	0.931667
649	4	927	928	935	934	3.863333	0.931667
650	4	928	929	936	935	3.863333	0.931667
651	4	929	930	937	936	3.863333	0.931667
652	4	930	931	938	937	3.863333	0.931667
653	4	931	932	939	938	3.863333	0.931667
654	4	933	934	940	227	3.863333	0.931667
655	4	934	935	941	940	3.863333	0.931667
656	4	935	936	942	941	3.863333	0.931667
657	4	936	937	943	942	3.863333	0.931667
658	4	937	938	944	943	3.863333	0.931667
659	4	938	939	13	944	3.863333	0.931667
660	4	227	940	946	945	3.863334	0.931667
661	4	940	941	947	946	3.863334	0.931667
662	4	941	942	948	947	3.863334	0.931667
663	4	942	943	949	948	3.863334	0.931667
664	4	943	944	950	949	3.863334	0.931667
665	4	944	13	951	950	3.863333	0.931667
666	4	945	946	953	952	3.863334	0.931667
667	4	946	947	954	953	3.863334	0.931667
668	4	947	948	955	954	3.863334	0.931667
669	4	948	949	956	955	3.863334	0.931667
670	4	949	950	957	956	3.863334	0.931667
671	4	950	951	958	957	3.863333	0.931667
672	4	952	953	960	959	3.863334	0.931667
673	4	953	954	961	960	3.863334	0.931667
674	4	954	955	962	961	3.863334	0.931667
675	4	955	956	963	962	3.863334	0.931667

**Table 6: Connectivity - Area, Part 1 of 2**

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
676	4	956	957	964	963	3.863334	0.931667
677	4	957	958	965	964	3.863333	0.931667
678	4	959	960	967	966	3.863334	0.931667
679	4	960	961	968	967	3.863334	0.931667
680	4	961	962	969	968	3.863334	0.931667
681	4	962	963	970	969	3.863334	0.931667
682	4	963	964	971	970	3.863334	0.931667
683	4	964	965	972	971	3.863333	0.931667
684	4	966	967	974	973	3.863334	0.931667
685	4	967	968	975	974	3.863334	0.931667
686	4	968	969	976	975	3.863334	0.931667
687	4	969	970	977	976	3.863334	0.931667
688	4	970	971	978	977	3.863334	0.931667
689	4	971	972	979	978	3.863333	0.931667
690	4	973	974	980	228	3.863334	0.931667
691	4	974	975	981	980	3.863334	0.931667
692	4	975	976	982	981	3.863334	0.931667
693	4	976	977	983	982	3.863334	0.931667
694	4	977	978	984	983	3.863334	0.931667
695	4	978	979	33	984	3.863333	0.931667
696	4	228	980	986	985	3.863334	0.931667
697	4	980	981	987	986	3.863334	0.931667
698	4	981	982	988	987	3.863334	0.931667
699	4	982	983	989	988	3.863334	0.931667
700	4	983	984	990	989	3.863334	0.931667
701	4	984	33	991	990	3.863333	0.931667
702	4	985	986	993	992	3.863334	0.931667
703	4	986	987	994	993	3.863334	0.931667
704	4	987	988	995	994	3.863334	0.931667
705	4	988	989	996	995	3.863334	0.931667
706	4	989	990	997	996	3.863334	0.931667
707	4	990	991	998	997	3.863333	0.931667
708	4	992	993	1000	999	3.863334	0.931667
709	4	993	994	1001	1000	3.863334	0.931667
710	4	994	995	1002	1001	3.863334	0.931667
711	4	995	996	1003	1002	3.863334	0.931667
712	4	996	997	1004	1003	3.863334	0.931667
713	4	997	998	1005	1004	3.863333	0.931667
714	4	999	1000	1007	1006	3.863334	0.931667
715	4	1000	1001	1008	1007	3.863334	0.931667
716	4	1001	1002	1009	1008	3.863334	0.931667
717	4	1002	1003	1010	1009	3.863334	0.931667
718	4	1003	1004	1011	1010	3.863334	0.931667
719	4	1004	1005	1012	1011	3.863333	0.931667
720	4	1006	1007	1014	1013	3.863334	0.931667
721	4	1007	1008	1015	1014	3.863334	0.931667
722	4	1008	1009	1016	1015	3.863334	0.931667
723	4	1009	1010	1017	1016	3.863334	0.931667
724	4	1010	1011	1018	1017	3.863334	0.931667
725	4	1011	1012	1019	1018	3.863333	0.931667
726	4	1013	1014	1020	229	3.863334	0.931667
727	4	1014	1015	1021	1020	3.863334	0.931667
728	4	1015	1016	1022	1021	3.863334	0.931667
729	4	1016	1017	1023	1022	3.863334	0.931667

Table 6: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
730	4	1017	1018	1024	1023	3.863334	0.931667
731	4	1018	1019	48	1024	3.863333	0.931667
732	4	229	1020	1026	1025	3.863334	0.931667
733	4	1020	1021	1027	1026	3.863334	0.931667
734	4	1021	1022	1028	1027	3.863334	0.931667
735	4	1022	1023	1029	1028	3.863334	0.931667
736	4	1023	1024	1030	1029	3.863334	0.931667
737	4	1024	48	1031	1030	3.863333	0.931667
738	4	1025	1026	1033	1032	3.863334	0.931667
739	4	1026	1027	1034	1033	3.863334	0.931667
740	4	1027	1028	1035	1034	3.863334	0.931667
741	4	1028	1029	1036	1035	3.863334	0.931667
742	4	1029	1030	1037	1036	3.863334	0.931667
743	4	1030	1031	1038	1037	3.863333	0.931667
744	4	1032	1033	1040	1039	3.863334	0.931667
745	4	1033	1034	1041	1040	3.863334	0.931667
746	4	1034	1035	1042	1041	3.863334	0.931667
747	4	1035	1036	1043	1042	3.863334	0.931667
748	4	1036	1037	1044	1043	3.863334	0.931667
749	4	1037	1038	1045	1044	3.863333	0.931667
750	4	1039	1040	1047	1046	3.863334	0.931667
751	4	1040	1041	1048	1047	3.863334	0.931667
752	4	1041	1042	1049	1048	3.863334	0.931667
753	4	1042	1043	1050	1049	3.863334	0.931667
754	4	1043	1044	1051	1050	3.863334	0.931667
755	4	1044	1045	1052	1051	3.863333	0.931667
756	4	1046	1047	1054	1053	3.863334	0.931667
757	4	1047	1048	1055	1054	3.863334	0.931667
758	4	1048	1049	1056	1055	3.863334	0.931667
759	4	1049	1050	1057	1056	3.863334	0.931667
760	4	1050	1051	1058	1057	3.863334	0.931667
761	4	1051	1052	1059	1058	3.863333	0.931667
762	4	1053	1054	1060	230	3.863334	0.931667
763	4	1054	1055	1061	1060	3.863334	0.931667
764	4	1055	1056	1062	1061	3.863334	0.931667
765	4	1056	1057	1063	1062	3.863334	0.931667
766	4	1057	1058	1064	1063	3.863334	0.931667
767	4	1058	1059	63	1064	3.863333	0.931667
768	4	230	1060	1066	1065	3.863334	0.931667
769	4	1060	1061	1067	1066	3.863334	0.931667
770	4	1061	1062	1068	1067	3.863334	0.931667
771	4	1062	1063	1069	1068	3.863334	0.931667
772	4	1063	1064	1070	1069	3.863334	0.931667
773	4	1064	63	1071	1070	3.863334	0.931667
774	4	1065	1066	1073	1072	3.863334	0.931667
775	4	1066	1067	1074	1073	3.863334	0.931667
776	4	1067	1068	1075	1074	3.863334	0.931667
777	4	1068	1069	1076	1075	3.863334	0.931667
778	4	1069	1070	1077	1076	3.863334	0.931667
779	4	1070	1071	1078	1077	3.863334	0.931667
780	4	1072	1073	1080	1079	3.863334	0.931667
781	4	1073	1074	1081	1080	3.863334	0.931667
782	4	1074	1075	1082	1081	3.863334	0.931667
783	4	1075	1076	1083	1082	3.863334	0.931667

**Table 6: Connectivity - Area, Part 1 of 2**

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
784	4	1076	1077	1084	1083	3.863334	0.931667
785	4	1077	1078	1085	1084	3.863334	0.931667
786	4	1079	1080	1087	1086	3.863334	0.931667
787	4	1080	1081	1088	1087	3.863334	0.931667
788	4	1081	1082	1089	1088	3.863334	0.931667
789	4	1082	1083	1090	1089	3.863334	0.931667
790	4	1083	1084	1091	1090	3.863334	0.931667
791	4	1084	1085	1092	1091	3.863334	0.931667
792	4	1086	1087	1094	1093	3.863334	0.931667
793	4	1087	1088	1095	1094	3.863334	0.931667
794	4	1088	1089	1096	1095	3.863334	0.931667
795	4	1089	1090	1097	1096	3.863334	0.931667
796	4	1090	1091	1098	1097	3.863334	0.931667
797	4	1091	1092	1099	1098	3.863334	0.931667
798	4	1093	1094	1100	231	3.863334	0.931667
799	4	1094	1095	1101	1100	3.863334	0.931667
800	4	1095	1096	1102	1101	3.863334	0.931667
801	4	1096	1097	1103	1102	3.863334	0.931667
802	4	1097	1098	1104	1103	3.863334	0.931667
803	4	1098	1099	78	1104	3.863334	0.931667
804	4	231	1100	1106	1105	3.863333	0.931667
805	4	1100	1101	1107	1106	3.863333	0.931667
806	4	1101	1102	1108	1107	3.863333	0.931667
807	4	1102	1103	1109	1108	3.863333	0.931667
808	4	1103	1104	1110	1109	3.863333	0.931667
809	4	1104	78	1111	1110	3.863333	0.931667
810	4	1105	1106	1113	1112	3.863333	0.931667
811	4	1106	1107	1114	1113	3.863333	0.931667
812	4	1107	1108	1115	1114	3.863333	0.931667
813	4	1108	1109	1116	1115	3.863333	0.931667
814	4	1109	1110	1117	1116	3.863333	0.931667
815	4	1110	1111	1118	1117	3.863333	0.931667
816	4	1112	1113	1120	1119	3.863333	0.931667
817	4	1113	1114	1121	1120	3.863333	0.931667
818	4	1114	1115	1122	1121	3.863333	0.931667
819	4	1115	1116	1123	1122	3.863333	0.931667
820	4	1116	1117	1124	1123	3.863333	0.931667
821	4	1117	1118	1125	1124	3.863333	0.931667
822	4	1119	1120	1127	1126	3.863333	0.931667
823	4	1120	1121	1128	1127	3.863333	0.931667
824	4	1121	1122	1129	1128	3.863333	0.931667
825	4	1122	1123	1130	1129	3.863333	0.931667
826	4	1123	1124	1131	1130	3.863333	0.931667
827	4	1124	1125	1132	1131	3.863333	0.931667
828	4	1126	1127	1134	1133	3.863333	0.931666
829	4	1127	1128	1135	1134	3.863333	0.931667
830	4	1128	1129	1136	1135	3.863333	0.931667
831	4	1129	1130	1137	1136	3.863333	0.931667
832	4	1130	1131	1138	1137	3.863333	0.931667
833	4	1131	1132	1139	1138	3.863333	0.931667
834	4	1133	1134	234	199	3.863333	0.931666
835	4	1134	1135	236	234	3.863333	0.931666
836	4	1135	1136	238	236	3.863333	0.931667
837	4	1136	1137	240	238	3.863333	0.931667

**Table 6: Connectivity - Area, Part 1 of 2**

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
838	4	1137	1138	242	240	3.863333	0.931667
839	4	1138	1139	107	242	3.863333	0.931667

**Table 6: Connectivity - Area, Part 2 of 2**

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
1	0.349194	1.23139	39.12986	-0.5	5853d883-94b7-43c3-9483-5bdc17105f67
2	0.276611	1.71278	39.12986	-0.5	cee04418-de10-47c2-a93d-b4f4efb2fedb
3	0.325	0.25	39.12986	-0.5	2283fef0-7e1c-4609-a30e-357202f4db3c
4	0.300806	0.73139	39.12986	-0.5	7c6a0377-94e2-4b35-aa1c-6e4091faf302
24	0.625806	0.48139	39.13	-5.5	783e94d7-78a2-4aaf-b2f1-750a208b4430
25	0.625806	0.48139	39.13	-4.5	7b4d9c75-9419-4dae-b807-8d86f21e9c1e
26	0.625806	0.48139	39.13	-3.5	fef968c6-fec5-443b-88e6-0865ccd16dad
27	0.625806	0.48139	39.13	-2.5	4b4a802d-f995-407b-a74d-be28237d3fba
28	0.625806	0.48139	39.13	-1.5	ccc88366-c216-4d37-93c3-3e2f2a7014cc
30	0.625806	1.44417	39.13	-5.5	90419e5d-49be-48c0-a7c5-ee414e193733
31	0.625806	1.44417	39.13	-4.5	88824fc5-f106-4f3c-aba5-d3da3a746b32
32	0.625806	1.44417	39.13	-3.5	5ecbc17c-db97-464b-851a-29fbc3fb28db
33	0.625806	1.44417	39.13	-2.5	113f02d1-e037-48f9-9d58-b8c4b647e370
34	0.625806	1.44417	39.13	-1.5	226b6d46-4ebb-434f-a9b4-b35ccf45738b
36	0.625806	2.40694	39.13	-5.5	e295037e-83bb-4d04-a960-d6176d7e79f3
37	0.625806	2.40694	39.13	-4.5	0a532b6b-8689-4c4d-a017-771a4a135908
38	0.625806	2.40694	39.13	-3.5	0c8ea602-2964-46d0-be8d-1f2bc92576a2
39	0.625806	2.40694	39.13	-2.5	faddcbea-24b4-44a8-a4b4-b3794fa19b5c
40	0.625806	2.40694	39.13	-1.5	bedb7f71-7af4-4a7d-83bb-614b7197d7fd
41	0.625806	2.40694	39.13	-0.5	cd4e7c0b-d312-4bb6-a6b5-a51b69a92d7c
42	0.625806	3.36972	39.13	-5.5	7421369e-def9-49e3-92e2-c5728b0f224d
43	0.625806	3.36972	39.13	-4.5	9eab4f5a-f07f-4218-932c-156addab49be
44	0.625806	3.36972	39.13	-3.5	e6bd46c8-e167-4da6-a4f4-ebf6acc59cc9
45	0.625806	3.36972	39.13	-2.5	c85e9c04-5853-4bfc-bee6-101454621899
46	0.625806	3.36972	39.13	-1.5	5941d7d1-c171-4e32-9518-249596530923

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
47	0.625806	3.36972	39.13	-0.5	5b474be6-098f-435b-829b-2592cb51c31e
48	0.625806	4.3325	39.13	-5.5	5b87db1e-5b04-4c88-ab8b-de8eae0f3211
49	0.625806	4.3325	39.13	-4.5	70446422-21f1-4a28-a1ce-dc9f4d9d3393
50	0.625806	4.3325	39.13	-3.5	0c483fef-001f-4390-bc43-46d8eac92e21
51	0.625806	4.3325	39.13	-2.5	61117fd2-0bca-480d-94aa-65bd115d89a0
52	0.625806	4.3325	39.13	-1.5	65b1855f-9d7f-4fe8-9b8a-3c8727f3ac4c
53	0.625806	4.3325	39.13	-0.5	2b18336c-e9a9-42da-bbc2-422c1647e417
54	0.625806	5.29528	39.13	-5.5	a0c27796-7b09-45c2-8a2e-f6828b947fd6
55	0.625806	5.29528	39.13	-4.5	5975b323-cd2e-428c-88fc-d5f1327337c
56	0.625806	5.29528	39.13	-3.5	cf24789f-2b4c-44fb-a7d8-a96b528a6890
57	0.625806	5.29528	39.13	-2.5	12dd2ae8-f5b1-4ff9-8c68-1a04cef99e0f
58	0.625806	5.29528	39.13	-1.5	a2c90739-5ccb-4485-abc3-414bc783e298
59	0.625806	5.29528	39.13	-0.5	981b0e23-857d-40a7-ad96-366e6394353c
60	0.625806	6.25806	39.13	-5.5	e78e394f-4724-4596-8d8f-ab09c5a94f43
61	0.625806	6.25806	39.13	-4.5	da5e102a-add9-4663-ab57-e8ce3f6002cf
62	0.625806	6.25806	39.13	-3.5	d8c0b2d7-d73f-4a50-85b4-c515069aead4
63	0.625806	6.25806	39.13	-2.5	df08f672-72d6-48e1-9821-6322684657b1
64	0.625806	6.25806	39.13	-1.5	b5c5d784-885a-496b-b193-03efb69f38f8
65	0.625806	6.25806	39.13	-0.5	a5f57c86-f4d3-4e78-8a8a-31a38e5cf720
66	0.625806	7.22083	39.13	-5.5	9d58907f-7b4e-42d7-bbdf-af4691b34fe5
67	0.625806	7.22083	39.13	-4.5	502dad3e-5fad-4522-9801-14e37a8330a6
68	0.625806	7.22083	39.13	-3.5	544e3a7a-71e0-4204-8fc0-bfef9cf92a82
69	0.625806	7.22083	39.13	-2.5	482d2cd2-4698-458c-9b6d-c0e89f61fb78
70	0.625806	7.22083	39.13	-1.5	447b3c75-3528-4866-96f3-aaabe6ef9733
71	0.625806	7.22083	39.13	-0.5	50cd1a9c-b546-4c13-8ae5-ea2a783a3aa7
72	0.625806	8.18361	39.13	-5.5	1b2f18f5-5e0e-4b97-bb92-c509d63b2d55
73	0.625806	8.18361	39.13	-4.5	9e8e2e3b-93aa-4d73-a35c-39177b382441
74	0.625806	8.18361	39.13	-3.5	c648aa6a-3327-41b2-99b1-e2608a276718
75	0.625806	8.18361	39.13	-2.5	c54550fd-5a1e-4332-8a18-6378f5cfa76f
76	0.625806	8.18361	39.13	-1.5	2c2d789c-7d74-4845-806b-796d612b203d

1. Model geometry

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
77	0.625806	8.18361	39.13	-0.5	9b8e23ef-d72c-441f-8b2d-349912a33543
78	0.625806	9.14639	39.13	-5.5	9313b255-5d8b-4e6f-a21b-9ade3831294e
79	0.625806	9.14639	39.13	-4.5	c7d44056-ef02-4f56-bf1c-18a15ae73d0d
80	0.625806	9.14639	39.13	-3.5	e891cf14-c74e-4203-9cd9-f1c4aeb47ecd
81	0.625806	9.14639	39.13	-2.5	13631c44-b63b-4dbc-ae8f-391ba39a67aa
82	0.625806	9.14639	39.13	-1.5	817433e8-5811-49fd-9ee-e-563c29bf1c08
83	0.625806	9.14639	39.13	-0.5	ff720e7-401d-4d0b-9147-8a44d4ec9a3c
84	0.625806	10.10917	39.13	-5.5	61439a1d-7a04-484c-b79a-39d018e27877
85	0.625806	10.10917	39.13	-4.5	386183a9-a227-465c-9452-392554a16009
86	0.625806	10.10917	39.13	-3.5	eda574d3-29f0-4416-ab89-e7c923759b1f
87	0.625806	10.10917	39.13	-2.5	ca634041-1560-46f1-8c78-ea45c3fde1c2
88	0.625806	10.10917	39.13	-1.5	47c4e369-638e-40bf-a26c-2a957bce40ff
89	0.625806	10.10917	39.13	-0.5	b37af1c7-c82a-4af0-881d-c27b81004df6
90	0.625806	11.07195	39.13	-5.5	62eb169c-94fb-4758-8b8e-4098317241a3
91	0.625806	11.07195	39.13	-4.5	08b4b0a8-ad92-4178-b43e-450ae9478dd5
92	0.625806	11.07195	39.13	-3.5	06c1aea1-9e84-4d74-ae64-05c524d46d93
93	0.625806	11.07195	39.13	-2.5	1afaa1ab-3891-4d50-834c-852af06f3ca3
94	0.625806	11.07194	39.13	-1.5	3437f0c4-182b-400c-a658-3e2017cb629c
95	0.625806	11.07194	39.13	-0.5	042ef14a-ffb9-4a61-b981-a90e17b17141
96	0.625805	12.03472	39.13	-5.5	2c61c0c2-b7c7-442e-a35c-325dd18a574b
97	0.625805	12.03472	39.13	-4.5	8653624d-5ecc-49bd-9ec8-2f1a2ef03ef9
98	0.625805	12.03472	39.13	-3.5	3f866201-da9c-44c2-a6b0-ca319bc184ab
99	0.625805	12.03472	39.13	-2.5	91a3afcf-c6c6-4f74-979d-9b6411552012
100	0.625805	12.03472	39.13	-1.5	1a4529f6-28a5-40bb-a33e-5d18ea4a29c3
101	0.625805	12.03472	39.13	-0.5	0bf0cf5f-492d-4a55-929c-2049a15d0521
102	0.625805	12.9975	39.13	-5.5	2be7e315-247f-494f-91f5-9c6af52ebdf3
103	0.625805	12.9975	39.13	-4.5	1ef2e80a-5ca5-4339-afd5-604a44fc200b
104	0.625805	12.9975	39.13	-3.5	fb842560-7476-47db-aa05-cc0ab47387d2
105	0.625805	12.9975	39.13	-2.5	c8ecb033-a6fb-4f7a-9b2b-e1141e31d7ed
106	0.625805	12.9975	39.13	-1.5	84274dbc-4a67-4906-8406-542a96e939ea

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
107	0.625805	12.9975	39.13	-0.5	82ad34bd-d665-4a16-962d-0a19c9a43e64
108	0.625805	13.96028	39.13	-5.5	fb1407ed-8b58-4559-ad93-d02c34bccc16
109	0.625805	13.96028	39.13	-4.5	70e63353-d3d4-454f-b1b4-a6ac7b43dabe
110	0.625805	13.96028	39.13	-3.5	26e009be-03bb-4e70-b93f-a50be51edbca
111	0.625805	13.96028	39.13	-2.5	92583edf-efc3-4abb-a8b3-b73b8f76a5f5
112	0.625805	13.96028	39.13	-1.5	74a38bdc-7c8d-46c0-8d20-f3bad3da0fe3
113	0.625805	13.96028	39.13	-0.5	052b1562-9b2c-423c-937e-13811bb70135
114	0.625805	14.92306	39.13	-5.5	6b400134-fed1-4ce3-b74f-c057dfd2c799
115	0.625805	14.92306	39.13	-4.5	dc823296-631b-4c63-8f26-3c9ca0466522
116	0.625805	14.92306	39.13	-3.5	f70727ee-764a-4b84-ad34-980214dcb71c
117	0.625805	14.92306	39.13	-2.5	bdf32a59-9271-4148-9f33-e40025648074
118	0.625805	14.92306	39.13	-1.5	66f29c22-2549-438a-8a0a-3c561baf8aac
119	0.625805	14.92306	39.13	-0.5	853f8fc2-2b2e-4c12-a6f2-064ba05e47d6
120	0.625805	15.88583	39.13	-5.5	420b53d7-a208-4a78-b738-21beaed57cc1
121	0.625805	15.88583	39.13	-4.5	d25ad710-7de6-49db-b718-fbcd919e49ac
122	0.625805	15.88583	39.13	-3.5	6a61cd70-413b-4e02-9b93-f9dd6246d5f1
123	0.625805	15.88583	39.13	-2.5	2bffc632-55ab-4da0-9cf7-474a353d17ca
124	0.625805	15.88583	39.13	-1.5	aa8b1910-9e72-43a6-98de-839cd225b852
125	0.625805	15.88583	39.13	-0.5	98e026c8-10d9-4e82-8936-3535bc09c5ff
126	0.625805	16.84861	39.13	-5.5	63e0138a-058a-4877-b390-04108d922745
127	0.625805	16.84861	39.13	-4.5	0e1a6ef6-963b-4888-a737-881a01164bcb
128	0.625805	16.84861	39.13	-3.5	d02277b3-60c6-4407-a2c3-2fb91db4e2cb
129	0.625805	16.84861	39.13	-2.5	e78513d6-1f00-440b-bd31-b8145348fac6
130	0.625805	16.84861	39.13	-1.5	1b1ca40f-06f5-4964-99a5-272e35cc62a2
131	0.625805	16.84861	39.13	-0.5	1332ea27-8dc3-4457-b5a5-0469faa0812a
180	0.625806	0.48139	0.	-5.5	a56534aa-b6be-4eb9-9529-d03b18907d57
181	0.625806	0.48139	0.	-4.5	ee930c7f-8c81-4a76-b05f-d9ca99b5d3a6
182	0.625806	0.48139	0.	-3.5	c26f2e5d-b01a-4a33-b4f7-97f6ce8fc35b
183	0.625806	0.48139	0.	-2.5	90f99a96-e8f5-4318-9a96-e6cc31752c8d
184	0.625806	0.48139	0.	-1.5	6088308a-b251-4464-801f-223034abc47a

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
185	0.625806	0.48139	0.	-0.5	9d05eeb5-8400-4312-9382-d74220ec980a
186	0.625806	1.44417	0.	-5.5	31a1d03b-63aa-41ed-a3cb-ec02d064a205
187	0.625806	1.44417	0.	-4.5	4d26d50c-e18d-480d-8b73-39d8c0a909f8
188	0.625806	1.44417	0.	-3.5	d94c68b3-e04c-42c8-9bfe-713f0c3da0a6
189	0.625806	1.44417	0.	-2.5	e62bbe92-8f9d-4908-a1d9-f4389dc7e7e3
190	0.625806	1.44417	0.	-1.5	617ca064-db32-451f-8e95-91913eae315b
191	0.625806	1.44417	0.	-0.5	a8eb0223-22ec-456a-aa39-7449908484d4
192	0.625806	2.40694	0.	-5.5	5a6abfab-363f-45d9-a0d7-6ab935c2bc1d
193	0.625806	2.40694	0.	-4.5	a4d90a83-a2f6-4653-b7a4-72706cb03c01
194	0.625806	2.40694	0.	-3.5	8c851fc7-d821-4913-b535-cf488c6ad379
195	0.625806	2.40694	0.	-2.5	9a09f624-ea2b-4a5a-913c-b19bab43d504
196	0.625806	2.40694	0.	-1.5	1d73f779-baca-487b-8dfa-c57b08f27ff1
197	0.625806	2.40694	0.	-0.5	dc9cdbde-bb46-48d1-a035-01cba403813a
198	0.625806	3.36972	0.	-5.5	aea56d85-d069-4116-a354-51c4e1c64424
199	0.625806	3.36972	0.	-4.5	40973928-26c9-4427-8af0-b6318a8c8460
200	0.625806	3.36972	0.	-3.5	f4dad1e1-78b5-451b-aa7e-860681725283
201	0.625806	3.36972	0.	-2.5	0ab8a9f6-1b0c-47f5-b31e-0f4f0855bfc5
202	0.625806	3.36972	0.	-1.5	12c898ce-cbaa-45ca-a2b8-3a30731efd92
203	0.625806	3.36972	0.	-0.5	6dcbf6e0-d60b-42ad-890e-0c096cc6405a
204	0.625806	4.3325	0.	-5.5	32efc8ed-73b1-419b-a139-a22097de494b
205	0.625806	4.3325	0.	-4.5	92e0d639-6489-4af9-8b7c-d73a8420d616
206	0.625806	4.3325	0.	-3.5	12f40fd9-7ca5-4dd7-ba57-4d1af91d59af
207	0.625806	4.3325	0.	-2.5	1082e53c-fa2a-40e9-8abe-b81e7f1bcc6d
208	0.625806	4.3325	0.	-1.5	8eaa9642-ebe4-456c-9d9f-a4de91132b8c
209	0.625806	4.3325	0.	-0.5	c414fffa-6e98-419d-89c2-d5c09b5e2582
210	0.625806	5.29528	0.	-5.5	e802c172-444b-4f01-ae2-1255ee5f1f87
211	0.625806	5.29528	0.	-4.5	23041ab2-e942-4537-a12a-1459f14487ae
212	0.625806	5.29528	0.	-3.5	402cea78-b85d-4257-8248-63c43fc701df
213	0.625806	5.29528	0.	-2.5	00abd0d1-5f38-4705-97f1-5c7d75ec98f5
214	0.625806	5.29528	0.	-1.5	d9fd0985-3344-4cd2-b7fb-d1727d72788a

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
215	0.625806	5.29528	0.	-0.5	f13d0ad3-e206-40d4-be4e-3bb042827cba
216	0.625806	6.25805	0.	-5.5	9df03fb0-6a06-4d60-9dbb-b4f0cec09b1b
217	0.625806	6.25805	0.	-4.5	74531e17-160b-4598-8098-2945d8f28dac
218	0.625806	6.25805	0.	-3.5	a0159075-3121-4112-8a98-c3f3d20a68e4
219	0.625806	6.25806	0.	-2.5	43818ff3-56c9-448f-80ec-8d1cdac0d3f
220	0.625806	6.25806	0.	-1.5	88c30b91-6001-46ca-8682-fd629116eaf7
221	0.625806	6.25806	0.	-0.5	852851a3-6bd4-4cab-b4d8-613055781ccf
222	0.625806	7.22083	0.	-5.5	391b8496-538d-4bfb-b222-340df4be4ef8
223	0.625806	7.22083	0.	-4.5	5e25015c-fbe1-4849-a490-0956ec233739
224	0.625806	7.22083	0.	-3.5	5ee43fa0-8607-4f89-96d3-7dca1fb95bb2
225	0.625806	7.22083	0.	-2.5	10f16cc4-b1b1-4e1b-98a7-3c34cd8ea31c
226	0.625806	7.22083	0.	-1.5	dcecf66-6029-452c-9d5a-86b7e64b1dfd
227	0.625806	7.22083	0.	-0.5	05e63fa1-9f93-4874-8ee0-4295103bbfbc
228	0.625806	8.18361	0.	-5.5	e91c063b-8eac-47fc-ba91-42766293ac50
229	0.625806	8.18361	0.	-4.5	99916a96-9233-4ec3-a85a-dbe62eaf69f2
230	0.625806	8.18361	0.	-3.5	037fcef4-5545-4c00-bf0c-4c52d45a3b5f
231	0.625806	8.18361	0.	-2.5	85c6204c-762b-48f5-8c14-6a074096e365
232	0.625806	8.18361	0.	-1.5	0ea58455-766b-4c3a-b8e2-287dd190060c
233	0.625806	8.18361	0.	-0.5	7f34cc59-dd39-47e8-9f0a-f1f2687caa0a
234	0.625806	9.14639	0.	-5.5	f5380914-675e-4208-994f-295c8c09f6d0
235	0.625806	9.14639	0.	-4.5	3c1f5923-cb45-42d7-b9ad-c8023aa2a0f3
236	0.625806	9.14639	0.	-3.5	3f776ba4-a32d-4c12-8b9b-196807b35812
237	0.625806	9.14639	0.	-2.5	d2ccbbea-8c08-483f-83f4-df625b94eb5a
238	0.625806	9.14639	0.	-1.5	58f16e33-32a5-498c-ac88-e2c440892fa9
239	0.625806	9.14639	0.	-0.5	e3ced9c4-8615-4a10-946e-20745972e390
240	0.625806	10.10917	0.	-5.5	a042f414-2bb9-493a-9e68-aca4a77bfcc2
241	0.625806	10.10917	0.	-4.5	763b11f5-ebbc-4d70-b547-0e0b8c56752e
242	0.625806	10.10917	0.	-3.5	e728f4c5-0703-425b-89ec-d4111b86d5aa
243	0.625806	10.10917	0.	-2.5	73083655-ab52-40a5-8533-52f84171899c
244	0.625806	10.10917	0.	-1.5	b2a6e77f-9d0d-4caa-b3e0-ecfece625a61

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Table 6: Connectivity - Area, Part 2 of 2

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
245	0.625806	10.10917	0.	-0.5	c4cf19f5-df7b-467f-8e76-7b28a176667f
246	0.625806	11.07195	0.	-5.5	bd1dea90-7ef6-484d-a981-2eb65e7c99b8
247	0.625806	11.07194	0.	-4.5	30f87113-c033-4bfb-a8b9-e9df44b8c52b
248	0.625806	11.07194	0.	-3.5	8b3fd5ae-df81-4d12-b43c-cf9ada4fb975
249	0.625806	11.07194	0.	-2.5	7452f759-b273-42ff-84bd-04cb43ec9a50
250	0.625806	11.07194	0.	-1.5	03cf2516-ccc3-4f4f-900f-7ad658eb665b
251	0.625806	11.07194	0.	-0.5	3fdc694b-829f-422b-9993-3ce4d5701cf0
252	0.625805	12.03472	0.	-5.5	dc77d90c-624f-406b-8ca3-67bc1525d54b
253	0.625805	12.03472	0.	-4.5	be00a6b4-6dd4-4198-87df-682cfccc1e42
254	0.625805	12.03472	0.	-3.5	0469c90a-e4cc-4f9d-a9c5-b96a25cbfad6
255	0.625805	12.03472	0.	-2.5	0d07d7de-1f71-410c-bb8e-409cdcb275d3
256	0.625805	12.03472	0.	-1.5	e17f9896-671c-4857-9f79-337f144d579b
257	0.625805	12.03472	0.	-0.5	c04431db-0502-4604-ad73-233ad7c9a204
258	0.625805	12.9975	0.	-5.5	323b2eaa-ae41-40b3-b8a1-fcd03ed20111
259	0.625805	12.9975	0.	-4.5	fab63743-b56f-46ab-b61d-d2e6ef9ec00f
260	0.625805	12.9975	0.	-3.5	b08d99eb-43e5-4f11-adb2-d8650848d91f
261	0.625805	12.9975	0.	-2.5	969795fe-85e2-4941-bf5b-642d96a64bef
262	0.625805	12.9975	0.	-1.5	b4a67161-6711-4e45-b97d-e517979a0dd5
263	0.625805	12.9975	0.	-0.5	35ed27de-740d-45a5-8825-b9c88a493319
264	0.625805	13.96028	0.	-5.5	3d0a2d7f-b242-4440-b122-73fa533f1650
265	0.625805	13.96028	0.	-4.5	98250806-94c1-455e-89ea-a84adaf6cc07
266	0.625805	13.96028	0.	-3.5	752a14bf-cb4a-4aa4-961f-190e8d89cc68
267	0.625805	13.96028	0.	-2.5	0224cb88-96e1-4b53-b263-1fa28c2bb78f
268	0.625805	13.96028	0.	-1.5	13263d54-9ab3-4dc2-97d5-fbcfa07eb1f7
269	0.625805	13.96028	0.	-0.5	baa220d5-47d9-42fe-99c4-22ef98b4db71
270	0.625805	14.92306	0.	-5.5	636a9e1b-a5bb-463e-8952-6a45aa24d889
271	0.625805	14.92306	0.	-4.5	d6aa127b-d1bc-4e50-ae0b-0c456c39759d
272	0.625805	14.92306	0.	-3.5	69ad104d-a3fa-43c8-87c8-68ce285609e9
273	0.625805	14.92306	0.	-2.5	de70a27d-cc47-4a8d-91e2-269a8c8e4fec
274	0.625805	14.92306	0.	-1.5	14a93917-a9e1-4738-a331-24aced4278d8

Table 6: Connectivity - Area, Part 2 of 2

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
275	0.625805	14.92306	0.	-0.5	0fd2e3cc-90cb-440c-a0e8-b5465d38e5e3
276	0.625805	15.88583	0.	-5.5	6ca7255c-09e3-4135-925b-50b29acc7c55
277	0.625805	15.88583	0.	-4.5	ba2455b5-3bef-4857-83a8-f530a998676d
278	0.625805	15.88583	0.	-3.5	f1ce487e-bdbd-4aee-893b-713768e07939
279	0.625805	15.88583	0.	-2.5	760af062-8f4e-4701-a637-dcd8a288fe11
280	0.625805	15.88583	0.	-1.5	ce706070-c64e-48f5-af51-43e3fb44e8b1
281	0.625805	15.88583	0.	-0.5	a2b3d89f-e8da-44ac-b43c-bfc793143b45
282	0.625805	16.84861	0.	-5.5	a057d8fe-d4bd-477d-8640-5462ca597fae
283	0.625805	16.84861	0.	-4.5	d0d59acb-4d0d-49e3-a5c1-462ebdd3866c
284	0.625805	16.84861	0.	-3.5	0ab984d1-5ee9-4b7d-a8d3-21e9528f8fa0
285	0.625805	16.84861	0.	-2.5	55da6ba0-e836-4b8d-a13e-53b940f31cb5
286	0.625805	16.84861	0.	-1.5	d15e9a60-75d7-4083-9ba9-6df7b776ad28
287	0.625805	16.84861	0.	-0.5	f9168333-35fb-48a8-b979-df583ce01c29
336	0.605583	17.33	0.46583	-5.5	5d88ab8c-2d9a-488f-81e3-c552e18b50fc
337	0.605583	17.33	0.46583	-4.5	ad74d582-bd97-4962-9efd-2ac45a69e6d4
338	0.605583	17.33	0.46583	-3.5	090e7bd1-7d58-4a46-9268-bc4830959ac1
339	0.605583	17.33	0.46583	-2.5	eeb27ac5-d3eb-4196-aa1d-c4f704f0b522
340	0.605583	17.33	0.46583	-1.5	4cf6fe84-c5a1-4f37-98a4-4da4cea640d0
341	0.605583	17.33	0.46583	-0.5	72cd9b03-5868-4557-b1e8-e65b7d7ebcf7
342	0.605583	17.33	1.3975	-5.5	471c2dcd-cc60-43e4-8870-995d2da8cea3
343	0.605583	17.33	1.3975	-4.5	95376f4b-d851-4d1f-b4ec-9bba6fe7068f
344	0.605583	17.33	1.3975	-3.5	8762b38c-8ab3-48a1-944f-88674888a9c3
345	0.605583	17.33	1.3975	-2.5	4b3f8b6e-0f3a-48e7-a1bf-b4e12c528769
346	0.605583	17.33	1.3975	-1.5	24430ec5-a369-4a11-83aa-e2b3f2277178
347	0.605583	17.33	1.3975	-0.5	b9cf701d-28a6-4bf0-80ca-5bfd5fa0937
348	0.605583	17.33	2.32917	-5.5	6137dd19-34ec-43b6-97d1-34576b22b973
349	0.605583	17.33	2.32917	-4.5	13002d27-0f74-4d67-afa2-c13cabad7333
350	0.605583	17.33	2.32917	-3.5	e2cbb4ac-77b4-4d3b-b111-699b8e3a5852
351	0.605583	17.33	2.32917	-2.5	b9e034dd-34ee-475b-a299-5a9f9d2d2e8f
352	0.605583	17.33	2.32917	-1.5	7c5a70a6-8342-4523-8609-2bc66a8a4286

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**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
353	0.605583	17.33	2.32917	-0.5	9873711a-3dfc-499c-bef9-4f8813b6dfb0
354	0.605583	17.33	3.26083	-5.5	35c455b5-1b21-4a26-828d-78da85bf5633
355	0.605583	17.33	3.26083	-4.5	451117f2-a6b9-4b75-9274-53ec9f312d0b
356	0.605583	17.33	3.26083	-3.5	a49689d8-e664-4b45-9f08-0df64c5724bc
357	0.605583	17.33	3.26083	-2.5	4ceecd93-191e-4e1d-a66e-71c4a61017c9
358	0.605583	17.33	3.26083	-1.5	bf493818-2eaa-4a5e-8c4d-68816cc1a968
359	0.605583	17.33	3.26083	-0.5	4582402c-286f-499d-a672-0a1f24078873
360	0.605583	17.33	4.1925	-5.5	83477b1d-35c5-4f37-8e39-1ac7809c4e8e
361	0.605583	17.33	4.1925	-4.5	54e80936-23e0-476f-8ee9-bdaa36eb8324
362	0.605583	17.33	4.1925	-3.5	d6f53c99-fc8b-431c-a3b9-0606f639e7f0
363	0.605583	17.33	4.1925	-2.5	5ddc0a3c-5246-4eb3-8317-1da9c76acad1
364	0.605583	17.33	4.1925	-1.5	d024924d-5655-471e-9e4a-bf10cf2a1426
365	0.605583	17.33	4.1925	-0.5	f5691ff7-5758-46c7-a276-528aa48345be
366	0.605583	17.33	5.12417	-5.5	7f65694e-e615-4b33-a095-255dce977573
367	0.605583	17.33	5.12417	-4.5	e1e60928-0c58-47f7-a762-24cd46d7663a
368	0.605583	17.33	5.12417	-3.5	d6b691ca-bcc6-48a0-ba05-a896b3bf66d0
369	0.605583	17.33	5.12417	-2.5	4330851e-fa4f-4f03-901b-5a91664b5b77
370	0.605583	17.33	5.12417	-1.5	abf93091-52b9-4033-a7c0-3272ce16ef3e
371	0.605583	17.33	5.12417	-0.5	bdbbd3f3-262c-4957-aba5-f2be0763949e
372	0.605583	17.33	6.05583	-5.5	6761df40-b642-4fed-89c4-807183396f2d
373	0.605583	17.33	6.05583	-4.5	09296e9d-10fd-414e-9f16-7c2ce704a6a5
374	0.605583	17.33	6.05583	-3.5	e84a2c7c-e8fc-4726-8a1e-dbbddcd6af10
375	0.605583	17.33	6.05583	-2.5	1fa7ce7f-d9d3-41f5-a19c-a9325ba86069
376	0.605583	17.33	6.05583	-1.5	a26a430e-c956-4221-afc e-f8e8e4f086b7
377	0.605583	17.33	6.05583	-0.5	b8c682cf-5f77-4924-8dff-e5048613130f
378	0.605583	17.33	6.9875	-5.5	dc93ea09-0cd7-49dc-b959-f60932c70f0b
379	0.605583	17.33	6.9875	-4.5	894ba6fd-c0b8-4fb4-a31e-91dd2375ff49
380	0.605583	17.33	6.9875	-3.5	e0e6eb1d-1703-44e3-9853-212f7e724667
381	0.605583	17.33	6.9875	-2.5	bf33e7f8-6a5c-4892-b7a c-8b44bba1638d
382	0.605583	17.33	6.9875	-1.5	4c2ad22e-1458-4113-9a a3-6b5ec42706f9

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
383	0.605583	17.33	6.9875	-0.5	a76e0313-c652-4694-a764-8f0c94a3425b
384	0.605583	17.33	7.91917	-5.5	975348ca-df9c-4de1-8b0a-d4cbf280dc60
385	0.605583	17.33	7.91917	-4.5	b3938b0f-684e-476c-aca8-ab4f2f0096de
386	0.605583	17.33	7.91917	-3.5	596e95f0-2403-4dde-8f51-76a4b9ac11cd
387	0.605583	17.33	7.91917	-2.5	f3fcbe62-a8d5-4035-81a7-8c752cd8606e
388	0.605583	17.33	7.91917	-1.5	dea81513-0211-4251-ac48-eb25dc2f6635
389	0.605583	17.33	7.91917	-0.5	b058950e-2dd5-44a8-b942-856dedead26f
390	0.605583	17.33	8.85083	-5.5	7fad3188-8238-42b0-b551-a6dd0e3e6636
391	0.605583	17.33	8.85083	-4.5	650d6731-3305-41cf-b744-c8984144c72c
392	0.605583	17.33	8.85083	-3.5	93b919db-42a4-4531-9eb2-7dda56cae526
393	0.605583	17.33	8.85083	-2.5	23adf867-46a4-4f05-bcbf-3d34efba0508
394	0.605583	17.33	8.85083	-1.5	7b18c61a-cc4a-4f7a-b6c8-2a6167fb2260
395	0.605583	17.33	8.85083	-0.5	6a104d2b-321b-4173-8b7f-60d17efb67fb
396	0.605583	17.33	9.7825	-5.5	72c6dd5d-fbfe-47ff-afe4-5709117c85d7
397	0.605583	17.33	9.7825	-4.5	771330df-e9cc-4974-b207-cf4550ef2176
398	0.605583	17.33	9.7825	-3.5	0a474d27-2664-433f-9a80-306f4f0fb482
399	0.605583	17.33	9.7825	-2.5	6c0cbe7b-3dbb-4794-8c4c-1ec5f9d64a08
400	0.605583	17.33	9.7825	-1.5	7e5b943f-2d32-4637-8e9a-33ad6440333b
401	0.605583	17.33	9.7825	-0.5	cb3b748d-dc36-4fc1-b041-e46d5f54e182
402	0.605583	17.33	10.71417	-5.5	4e59c5be-8824-47a0-a5f8-c10f0ee23f85
403	0.605583	17.33	10.71417	-4.5	4a00572b-2bf1-459d-a6b3-3512afc3f0df
404	0.605583	17.33	10.71417	-3.5	3cc749e4-c813-47d3-932f-9318a30dc6f2
405	0.605583	17.33	10.71417	-2.5	a1054d47-5fd9-458f-bce2-c0820c85cfd8
406	0.605583	17.33	10.71417	-1.5	4c97fef7-8f74-4eb8-b638-21fa4b1980a8
407	0.605584	17.33	10.71417	-0.5	7b9bf754-4672-4dd0-95f6-546b3c70c87e
408	0.605583	17.33	11.64583	-5.5	474bf5c9-9442-46bd-b625-66db9f66bd91
409	0.605584	17.33	11.64583	-4.5	2435c7bc-b191-4800-9471-3dd43f528168
410	0.605584	17.33	11.64583	-3.5	377c0ae1-ccf0-46ed-a46f-d620cfc92264
411	0.605584	17.33	11.64583	-2.5	c18811ed-8ce6-47d9-864d-b3c4331ec899
412	0.605584	17.33	11.64583	-1.5	0d719640-c6f6-4d0d-8571-27019e5b4914

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
413	0.605583	17.33	11.64583	-0.5	8e306fb3-637f-43ab-8c29-0d5308ffe0ca
414	0.605583	17.33	12.5775	-5.5	bda81c92-d369-4dcd-bc03-ebe55ff1acd3
415	0.605584	17.33	12.5775	-4.5	e3b9a6fa-99f2-48cb-adb0-6935666aaefa
416	0.605584	17.33	12.5775	-3.5	7db8d627-429c-4c49-96f2-4a9e3199d70a
417	0.605584	17.33	12.5775	-2.5	bc4c9ac1-19a7-4888-a231-5b2ed2f8978c
418	0.605584	17.33	12.5775	-1.5	03d15d04-0836-4d03-8b74-31af01ed16c8
419	0.605584	17.33	12.5775	-0.5	bd108d2d-9c65-491c-8891-cd53a88e09a7
420	0.605583	17.33	13.50917	-5.5	8b2ba3b2-00f3-45a4-a9c8-6ce8d39622d9
421	0.605583	17.33	13.50917	-4.5	cccc0fd0-f206-4036-9afc-834fa34ef26a
422	0.605584	17.33	13.50917	-3.5	7856818a-8130-4a7a-924e-d2e38e7ae0a2
423	0.605584	17.33	13.50917	-2.5	3be5e1b6-ebdb-4029-8b23-a680d4f6a821
424	0.605584	17.33	13.50917	-1.5	8f1f1fd6-f6dd-426a-b4ef-b4a3f4ca0b40
425	0.605584	17.33	13.50917	-0.5	9bfdcdc4-0dc5-4c23-b472-379f933dd0b9
426	0.605583	17.33	14.44083	-5.5	dd2c2669-4429-4832-ac87-f1d50e2187d7
427	0.605583	17.33	14.44083	-4.5	ed50ab7e-0d21-45fe-b044-5533405698c3
428	0.605584	17.33	14.44083	-3.5	04be2c4c-a6ba-4956-a1b2-53d2aa373e5d
429	0.605584	17.33	14.44083	-2.5	83309579-ca85-4b2b-8e17-f58ea055ea9d
430	0.605584	17.33	14.44083	-1.5	d3d6c088-ced7-4d56-87ae-8ad66101c2b7
431	0.605584	17.33	14.44083	-0.5	3c56f00c-8c75-46ee-887e-eb509cd2ba05
432	0.605583	17.33	15.3725	-5.5	a7d433eb-b3db-4482-9e36-f47306ae69c8
433	0.605583	17.33	15.3725	-4.5	61728d08-e746-48f3-bbd1-730d6d7c8b1c
434	0.605583	17.33	15.3725	-3.5	d89ea83e-9bcc-4300-a431-35f710819a7e
435	0.605584	17.33	15.3725	-2.5	a8b6a03f-2324-4e57-bbf e-1eef3d8d4fd0
436	0.605584	17.33	15.3725	-1.5	6cc2df4a-a1b6-4c08-99b f-bfbed24a77b1
437	0.605584	17.33	15.3725	-0.5	701e6174-bad3-4716-a3cb-2c85dbbc2731
438	0.605583	17.33	16.30417	-5.5	e9c86251-8b0c-4e92-8d58-f5882b9ac175
439	0.605583	17.33	16.30417	-4.5	6f52c459-b88a-4b9c-a5b1-aa9dbf65d931
440	0.605583	17.33	16.30417	-3.5	d4cfc9e6-3d41-4435-929e-f28984bbd495
441	0.605583	17.33	16.30417	-2.5	ed1cb4c6-be7c-4289-ad a4-3bf627917497
442	0.605584	17.33	16.30417	-1.5	de81680b-88d7-4909-bb e3-2764a1583e65

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
443	0.605584	17.33	16.30417	-0.5	71991fce-9d7e-4981-a2b9-368598ccc1d3
444	0.605583	17.33	17.23583	-5.5	ef913952-4221-43f8-8958-0534a13ecf5f
445	0.605583	17.33	17.23583	-4.5	ce4617df-6904-413f-8f0c-4937bdda2689
446	0.605583	17.33	17.23583	-3.5	935903bf-e2d4-4d47-967d-b0973f6873ba
447	0.605583	17.33	17.23583	-2.5	2d9d366b-dce3-40cb-b2e5-30b80fa2b6c5
448	0.605583	17.33	17.23583	-1.5	52b80aeb-282d-4597-b4a1-7f7fd32b79fb
449	0.605583	17.33	17.23583	-0.5	7849b8fd-1d61-49db-bb7a-81680d9afa69
450	0.605583	17.33	18.1675	-5.5	0b0cdc30-ff91-4121-8ee1-58c17d9310fa
451	0.605583	17.33	18.1675	-4.5	d0270cab-3db6-43b1-b484-615fda49cda7
452	0.605583	17.33	18.1675	-3.5	787a9985-ed17-438f-ad3f-d0184d55c3fe
453	0.605583	17.33	18.1675	-2.5	faf60ddd-6244-4aee-8c38-76c2008699e5
454	0.605583	17.33	18.1675	-1.5	eb522ffe-778d-422f-8a21-1a019e6a12e1
455	0.605583	17.33	18.1675	-0.5	edfcfae3-2035-47f7-8d10-b935a9d0a92a
456	0.605583	17.33	19.09917	-5.5	559aaa0e-798e-4207-8fa6-2e5a7d9dbfa5
457	0.605583	17.33	19.09917	-4.5	b4306e8a-6c10-4877-8775-3a23d58a8443
458	0.605583	17.33	19.09917	-3.5	521c5d0f-afd3-4d13-ba3c-21094ad77623
459	0.605583	17.33	19.09917	-2.5	a5a866da-e60b-4dd0-81b4-22a1ae091b3e
460	0.605583	17.33	19.09917	-1.5	9a8d55f9-a0da-4433-bec6-d512babd3205
461	0.605583	17.33	19.09917	-0.5	552c48e5-41b4-47dc-81ab-251749ce2792
462	0.605583	17.33	20.03083	-5.5	04b2eec2-7d44-45c3-8399-27ce3f118b4e
463	0.605583	17.33	20.03083	-4.5	5e4025d3-338f-41b6-8c2a-f29b52b1095a
464	0.605583	17.33	20.03083	-3.5	b8ba3a60-133e-47d6-b002-0d69a5b504fd
465	0.605583	17.33	20.03083	-2.5	856b932f-62d0-426d-9861-86002937d08a
466	0.605583	17.33	20.03083	-1.5	ebcc3bae-7528-4c84-ae63-3711c38c8012
467	0.605583	17.33	20.03083	-0.5	c3a69ab0-66ef-47de-bc23-01f03d8c4fe8
468	0.605583	17.33	20.9625	-5.5	1a5280d0-26ec-4797-94fd-5dcb591d4bce
469	0.605583	17.33	20.9625	-4.5	f76bae31-17db-41bc-a2cb-f5277ac31d8f
470	0.605583	17.33	20.9625	-3.5	1526840f-d9c8-4a54-abf0-52d9f8633241
471	0.605583	17.33	20.9625	-2.5	c9bfd51b-d6c7-4fad-8e70-a35ee00e9222
472	0.605583	17.33	20.9625	-1.5	7886ee82-2cc2-4fd6-8ab7-62aa03ba4e79

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
473	0.605583	17.33	20.9625	-0.5	16fddf2c-763e-4407-a069-d4ac29eda8f3
474	0.605583	17.33	21.89417	-5.5	a921d879-b426-42c0-a214-ece6039eae63
475	0.605583	17.33	21.89417	-4.5	eadacb31-da08-4faf-a709-39dabf3cd7c2
476	0.605583	17.33	21.89417	-3.5	80c55de1-6759-46e2-80c6-1985e4fd7f3f
477	0.605583	17.33	21.89417	-2.5	f87b3b34-00d8-4d5d-8944-caf89860df54
478	0.605583	17.33	21.89417	-1.5	f0a17e48-6f9a-437a-843b-605f3c52edaa
479	0.605583	17.33	21.89417	-0.5	791b42c3-07ac-46f8-bb8d-63a764955ef3
480	0.605583	17.33	22.82583	-5.5	eb99883c-77f5-4c82-9991-e89687b732d9
481	0.605583	17.33	22.82583	-4.5	aa087eda-078d-47c1-9787-e64d463f0a48
482	0.605583	17.33	22.82583	-3.5	7fd3b541-a5da-41fc-b353-504ddcd68883
483	0.605583	17.33	22.82583	-2.5	3ec6cd9a-5d9e-4b5a-be1a-6b4bb55cdd1b
484	0.605583	17.33	22.82583	-1.5	e347c8c3-4654-4559-ba21-abee3f7f6c04
485	0.605583	17.33	22.82583	-0.5	9e7b0eb6-6533-440e-b13e-a33c429941a4
486	0.605583	17.33	23.7575	-5.5	4882a1dd-e876-4eb5-95df-8027e6b36338
487	0.605583	17.33	23.7575	-4.5	9f78aa0f-d034-4e37-8d40-cb6214b243c2
488	0.605583	17.33	23.7575	-3.5	c27f3db3-1ec8-4044-9200-7ba66c5e0e9c
489	0.605583	17.33	23.7575	-2.5	57459b4b-88f3-4ec7-a27a-3686f2840ad4
490	0.605583	17.33	23.7575	-1.5	8f385aad-f1af-416b-a35e-32e524f97f47
491	0.605583	17.33	23.7575	-0.5	ad304dd0-fb41-4ba5-aa19-8535e481d6a0
492	0.605583	17.33	24.68917	-5.5	9e579e90-cd13-4db1-bf98-656b39222412
493	0.605583	17.33	24.68917	-4.5	9bfa280d-bef2-41c7-bb6d-3a8fad01eb15
494	0.605583	17.33	24.68917	-3.5	02565a58-56bf-4cf5-a418-651c0c50fd9e
495	0.605583	17.33	24.68917	-2.5	051daf82-d86c-4eab-89f9-45c83639c053
496	0.605583	17.33	24.68917	-1.5	e752ce73-5569-473f-9482-16ebe6dee528
497	0.605583	17.33	24.68917	-0.5	c22638b0-a864-4df7-9d9b-10a48e09a84c
498	0.605583	17.33	25.62083	-5.5	ea7afeba-f531-4ddf-87af-e5ef2c68d1e4
499	0.605583	17.33	25.62083	-4.5	c9de6c82-f3ec-42e4-a2d0-117b1d978cb7
500	0.605583	17.33	25.62083	-3.5	c575c4bf-48d0-4840-8fb-d-70f0e30fcc3
501	0.605583	17.33	25.62083	-2.5	71ab8500-7328-4c8e-9668-23dca31c9fbf
502	0.605583	17.33	25.62083	-1.5	46561838-c3e2-4c5b-8281-e6750606da97

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
503	0.605583	17.33	25.62083	-0.5	45366bf8-c62a-4a90-8981-ed40618921ee
504	0.605583	17.33	26.5525	-5.5	c56d52b2-0649-481f-843b-7d5cadd8c60
505	0.605583	17.33	26.5525	-4.5	9929845b-0fc8-44b0-b8ef-e692437e765d
506	0.605583	17.33	26.5525	-3.5	c753d247-71e4-42dc-8bf6-d9c524cc4bb9
507	0.605583	17.33	26.5525	-2.5	a66a0c2a-af10-43c7-b584-0c8f190fb943
508	0.605583	17.33	26.5525	-1.5	6745bd82-743d-4ed3-9c33-3a7fd0ef833e
509	0.605583	17.33	26.5525	-0.5	782f602b-6949-410e-9bf4-af55b5f8825a
510	0.605583	17.33	27.48417	-5.5	06d4d661-58da-409a-a296-6ce77e85c5c2
511	0.605583	17.33	27.48417	-4.5	eed3afd0-5502-4ea5-8d4a-490d07b8bb3f
512	0.605583	17.33	27.48417	-3.5	89a4e460-83c6-4144-9689-b93f412d0699
513	0.605583	17.33	27.48417	-2.5	8bbc1caf-62d9-4945-96bb-bab1b700f9d5
514	0.605583	17.33	27.48417	-1.5	ac178530-59b7-4d68-974f-6c841cac81f6
515	0.605583	17.33	27.48417	-0.5	0e1e6e83-214c-4532-bd57-f8da6cb40256
516	0.605584	17.33	28.41583	-5.5	b144e362-ec8d-4ab5-904b-cba704d0a795
517	0.605584	17.33	28.41583	-4.5	861c8643-cbb0-4ef4-8542-c91fc99e16dd
518	0.605584	17.33	28.41583	-3.5	1bb9d520-634f-46c9-b731-85f308f19808
519	0.605583	17.33	28.41583	-2.5	cb79b05b-1acd-4ab8-80aa-b9790bf7c22a
520	0.605583	17.33	28.41583	-1.5	7635d653-1e5e-416c-a839-7aa39c3ed3c2
521	0.605583	17.33	28.41583	-0.5	840615fb-ff6d-487b-82f4-f4c84109eb87
522	0.605584	17.33	29.3475	-5.5	8e37ff78-2a7c-43a7-9eb4-bd6b6486c429
523	0.605584	17.33	29.3475	-4.5	229a506c-f787-4270-ba38-13370d52d34e
524	0.605584	17.33	29.3475	-3.5	4abc5f2e-96ab-48f2-a3b8-34612c4ba34f
525	0.605583	17.33	29.3475	-2.5	21231306-25d6-438e-88d2-4657838261f1
526	0.605583	17.33	29.3475	-1.5	7babb7c8-7e45-466a-9c49-eba70c68f6d3
527	0.605583	17.33	29.3475	-0.5	ef56b5bd-99e6-4cd7-b499-debcf9af29d9
528	0.605584	17.33	30.27917	-5.5	3abf0df2-b93f-4c12-9d64-9e4b01cb6617
529	0.605584	17.33	30.27917	-4.5	9950154c-163b-4ca9-9e6e-cda4bc48f425
530	0.605584	17.33	30.27917	-3.5	243a76ae-ce5e-4689-9a5a-6f09a3ad395f
531	0.605583	17.33	30.27917	-2.5	8ed08474-e4ae-4a05-ab90-eb4097f2ee1f
532	0.605583	17.33	30.27917	-1.5	efe02865-4c4b-41d4-8d82-5751e02670d1

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
533	0.605583	17.33	30.27917	-0.5	8297b46e-378e-476d-9c66-8a6e1d798913
534	0.605584	17.33	31.21083	-5.5	7bd0d883-d0d0-4e00-bd99-3ccae15473b6
535	0.605584	17.33	31.21083	-4.5	4f087b26-a602-4c73-ba34-71248fb3d3f4
536	0.605584	17.33	31.21083	-3.5	77dc3aee-d1ee-4525-8694-9987c9a0e008
537	0.605583	17.33	31.21083	-2.5	95616854-3945-49da-b445-7bdf00da7d82
538	0.605583	17.33	31.21083	-1.5	b3f052d6-cc4e-4e11-8c93-11ff844b5988
539	0.605583	17.33	31.21083	-0.5	0f474d18-b595-4818-b15d-358c1dff667
540	0.605584	17.33	32.1425	-5.5	e671be1c-830a-43fc-9cbf-0f0bf2234272
541	0.605584	17.33	32.1425	-4.5	632a0947-908d-4e27-a17f-163a79a2f249
542	0.605584	17.33	32.1425	-3.5	f9ad3290-28c0-4da7-bede-bf7af51efdb5
543	0.605583	17.33	32.1425	-2.5	f444eab8-2162-4551-b39e-84802aac3e19
544	0.605583	17.33	32.1425	-1.5	5b8a5446-2fd6-4f5a-9fda-f7c064cfad43
545	0.605583	17.33	32.1425	-0.5	85e75ab8-85be-4d28-9b5a-b2eed2c86ad6
546	0.605584	17.33	33.07417	-5.5	d7b5bbb2-6f8a-4ce1-b7dd-a6ab846cd282
547	0.605584	17.33	33.07417	-4.5	ab7ebf60-7ece-438b-bbd9-5a665abfac0e
548	0.605584	17.33	33.07417	-3.5	db076727-645c-43b1-b222-938a5983ef68
549	0.605583	17.33	33.07417	-2.5	db3c74ec-7e08-4a70-9c73-ea79a8a296e3
550	0.605583	17.33	33.07417	-1.5	80a8558e-179d-4a78-852e-567c19a3b905
551	0.605583	17.33	33.07417	-0.5	fd28abc4-912e-4d0a-8547-372eea5fd521
552	0.605583	17.33	34.00583	-5.5	9c78ea91-f586-400b-9423-f05c0159d71d
553	0.605583	17.33	34.00583	-4.5	414cd8d8-71c3-4f21-8e03-93277278eaf8
554	0.605583	17.33	34.00583	-3.5	c0130229-2e5c-4675-9350-b16dec73190a
555	0.605583	17.33	34.00583	-2.5	cddd48ed-353a-4542-af40-5d5de61e71a6
556	0.605583	17.33	34.00583	-1.5	1967452e-66a8-497a-85fd-f56a4d5b7b5b
557	0.605583	17.33	34.00583	-0.5	9ec10377-21b4-46cd-876b-3bf86efe9965
558	0.605583	17.33	34.9375	-5.5	819fa0ce-fe54-4ddd-85a2-6c375b940f5f
559	0.605583	17.33	34.9375	-4.5	525ead99-2cfb-4319-83eb-c4a6a1cd3b6d
560	0.605583	17.33	34.9375	-3.5	410e2666-e6ae-4643-a0b8-39b3fa127b17
561	0.605583	17.33	34.9375	-2.5	6aa47553-92b3-487d-a26a-75338d13f104
562	0.605583	17.33	34.9375	-1.5	be48817e-bfac-45f6-b088-500237ddf23d

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
563	0.605583	17.33	34.9375	-0.5	3538d3ef-939b-404d-840f-a258d500decd
564	0.605583	17.33	35.86917	-5.5	76d0d29c-025e-4f11-85b1-a3c53e11d31c
565	0.605583	17.33	35.86917	-4.5	0628468c-4066-4c24-99df-e38abd7208f8
566	0.605583	17.33	35.86917	-3.5	bdeda041-a5c5-4473-b620-2a15aa65e9a3
567	0.605583	17.33	35.86917	-2.5	fd11b757-03af-43c4-979f-910316e2b180
568	0.605583	17.33	35.86917	-1.5	3d9ece96-c633-437f-b658-2aba044591ef
569	0.605583	17.33	35.86917	-0.5	ee3fb4a0-b543-41f0-8bd2-8c3e433a5802
570	0.605583	17.33	36.80083	-5.5	6f89e0c9-cb2a-44ed-9c21-92b5656e5c8a
571	0.605583	17.33	36.80083	-4.5	c5e0edd9-bb19-472d-8992-042a6ae004ab
572	0.605583	17.33	36.80083	-3.5	ac681bc4-f032-4455-9d29-ea31109bd9cb
573	0.605583	17.33	36.80083	-2.5	5487f863-7c6a-4067-8cef-0c3d991323c7
574	0.605583	17.33	36.80083	-1.5	cf25d33d-5682-4301-8384-316fa7e59f70
575	0.605583	17.33	36.80083	-0.5	cbaea55a-4303-4055-8145-eba7ed25bf61
576	0.605583	17.33	37.7325	-5.5	94041b3e-9df9-4a84-9d1b-959cb0d675c8
577	0.605583	17.33	37.7325	-4.5	2d148a90-26f5-4a02-affe-166e6775eb63
578	0.605583	17.33	37.7325	-3.5	eb2be888-54ba-404c-bef2-e1865c9ccd5b
579	0.605583	17.33	37.7325	-2.5	25bdc6e3-b81e-4628-906a-f5c9d592de5e
580	0.605583	17.33	37.7325	-1.5	6169ef6b-20bd-473b-b068-dd7d42855df1
581	0.605583	17.33	37.7325	-0.5	4cf91d3c-e155-487e-811c-0a59eb0b180c
582	0.605583	17.33	38.66417	-5.5	1005b2e8-4148-4b92-99b8-e38e939a8705
583	0.605583	17.33	38.66417	-4.5	58446f53-9a3f-4d6e-a4f2-09fa9cc74723
584	0.605583	17.33	38.66417	-3.5	50a52f55-2175-40ec-9c47-ed41c3e7eef6
585	0.605583	17.33	38.66417	-2.5	3ef712a3-c9d2-4858-800e-834a7f7969d2
586	0.605583	17.33	38.66417	-1.5	5c4f5b89-4fb3-4faa-b6dc-b851f0c94e50
587	0.605583	17.33	38.66417	-0.5	f2fcaac1-e42e-4d1d-b9b7-dd5b91251017
588	0.605583	-1.603E-06	0.46583	-5.5	d917d87f-ef47-42c2-9aae-d69bc908872d
589	0.605583	-1.311E-06	0.46583	-4.5	c02cc6ed-c9fc-49c9-a6a0-2c243846c2fe
590	0.605583	-1.020E-06	0.46583	-3.5	c863d506-3948-4d0d-b394-a6c32a514e78
591	0.605583	-7.285E-07	0.46583	-2.5	e73e1a44-bd92-42f9-8123-ff0c8da6cb8f
592	0.605583	-4.371E-07	0.46583	-1.5	57035991-5a4c-4b3c-a9cc-9ca02c39d31f

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
593	0.605583	-1.457E-07	0.46583	-0.5	f424ee48-f2ed-4f28-9432-c937b6088dc5
594	0.605583	-1.311E-06	1.3975	-5.5	d479a8ac-0ba7-4545-9e a6-ff938da6cf3d
595	0.605583	-1.073E-06	1.3975	-4.5	58efced0-98e0-443b-9f7f-a55cbb4e8a61
596	0.605583	-8.345E-07	1.3975	-3.5	4c82f4fe-67cc-4819-9b3 7-7e4446c8f19e
597	0.605583	-5.960E-07	1.3975	-2.5	2715c8f7-73b5-4d26-b73 7-1f21029fda7e
598	0.605583	-3.576E-07	1.3975	-1.5	a578fd84-6e3b-4485-ab7 a-bbb876fcf75b
599	0.605583	-1.192E-07	1.3975	-0.5	a2476402-4621-4ac2-8e e5-d6f9e5383e93
600	0.605583	-1.020E-06	2.32917	-5.5	cbf61a0b-ee3a-41ac-9ab b-af45ad3296eb
601	0.605583	-8.345E-07	2.32917	-4.5	8c3f12c0-ee07-4a80-a9c 4-1ceff417312a
602	0.605583	-6.490E-07	2.32917	-3.5	99ae2609-fb78-40c5-907 d-ef0c583adbe3
603	0.605583	-4.636E-07	2.32917	-2.5	d5860edc-fc69-4f29-938 2-100bbaced69f
604	0.605583	-2.782E-07	2.32917	-1.5	69a1e0a3-9e12-4952-8fe 2-a1c1b6131ac2
605	0.605583	-9.272E-08	2.32917	-0.5	6d6d77de-ab0d-4f0f-b8c 8-ca8e4e100a5b
606	0.605583	-7.285E-07	3.26083	-5.5	d992fbe2-601e-4812-88b 7-7e11143f3100
607	0.605583	-5.960E-07	3.26083	-4.5	cba3da2d-ec16-4a31-a5 59-1f11f92567a7
608	0.605583	-4.636E-07	3.26083	-3.5	ef5fe203-41c3-4af1-b417 -3bb9a81891db
609	0.605583	-3.311E-07	3.26083	-2.5	9a0a808d-23f5-4ad4-ad1 9-cd23a088615d
610	0.605583	-1.987E-07	3.26083	-1.5	59809791-a57b-4be4-b7 de-d6949d9ec84e
611	0.605583	-6.623E-08	3.26083	-0.5	0e5e9e9d-b718-4fd7-a37 c-5758c1547570
612	0.605583	-4.371E-07	4.1925	-5.5	c2583b60-68a7-479e-bc 2a-bb6186fa3fe1
613	0.605583	-3.576E-07	4.1925	-4.5	76e62f37-ad7b-4ee6-8b0 1-2e6b1d6c046e
614	0.605583	-2.782E-07	4.1925	-3.5	25877b32-a562-4012-84 d9-2979f6ec0df3
615	0.605583	-1.987E-07	4.1925	-2.5	2d1a4faf-05ef-4727-a294 -12ad8533dc36
616	0.605583	-1.192E-07	4.1925	-1.5	dcaf7e10-ae4e-49f7-bab 4-1cd39e43bfa1
617	0.605583	-3.974E-08	4.1925	-0.5	6a73abba-3e9e-4549-8f4 0-19fa919c7be0
618	0.605583	-1.457E-07	5.12417	-5.5	7238f3d2-5e1f-41f0-9f77- 632552a94326
619	0.605583	-1.192E-07	5.12417	-4.5	96014918-05c4-4fb0-857 7-18abe0536c46
620	0.605583	-9.272E-08	5.12417	-3.5	e84596fa-67f4-4d60-a34 a-efb0bbcbb29
621	0.605583	-6.623E-08	5.12417	-2.5	42828623-152d-4fde-b92 7-e1fb1e5a6a01
622	0.605583	-3.974E-08	5.12417	-1.5	9f902f78-c359-4221-b7e c-372490187e90

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
623	0.605583	-1.325E-08	5.12417	-0.5	5583017c-08dd-476f-b7b f-befad6883a3b
624	0.605583	0.	6.05583	-5.5	9bb2292a-6d14-472c-aa 6a-c58e0b77c894
625	0.605583	0.	6.05583	-4.5	75a59f92-bd38-4f53-ab6 d-d81196b8dfbd
626	0.605583	0.	6.05583	-3.5	3ab7b817-6428-4bae-9d 8c-d2cfa79f2f96
627	0.605583	0.	6.05583	-2.5	af15ab94-14a9-48f6-98b a-bb3fc32aa3e1
628	0.605583	0.	6.05583	-1.5	eb7daf1c-17a3-42c7-937 9-bef7cc03bfb2
629	0.605583	0.	6.05583	-0.5	38125b29-c294-48f4-b00 8-e0046ec0000b
630	0.605583	0.	6.9875	-5.5	05b55f94-6ad6-4e03-ac7 4-64900d946070
631	0.605583	0.	6.9875	-4.5	2736a61b-bed3-4230-a3f c-1f089b3f1565
632	0.605583	0.	6.9875	-3.5	d63e2bc1-760e-43a3-b1 72-cb3f7f943c1c
633	0.605583	0.	6.9875	-2.5	67c1c1c9-2108-4e9f-a9d d-67f5edbdd6c
634	0.605583	0.	6.9875	-1.5	6a993dd7-69e8-486e-9e a4-e99334c7c024
635	0.605583	0.	6.9875	-0.5	3148dd59-c861-49ae-95 4c-d795f0854863
636	0.605583	0.	7.91917	-5.5	a7a27fce-852b-44a9-b68 0-cb1f2c6233d7
637	0.605583	0.	7.91917	-4.5	643d2284-51e1-4e27-ae 60-1a99447b181b
638	0.605583	0.	7.91917	-3.5	3cc7e177-edc1-421b-a8 ac-e8bb4e15c435
639	0.605583	0.	7.91917	-2.5	205304e4-883d-4a65-86 14-6eab895ccf63
640	0.605583	0.	7.91917	-1.5	b6cc16fc-490c-4ae7-a45 6-d86d6422b0b3
641	0.605583	0.	7.91917	-0.5	00729699-be67-4a57-8a bb-25465c9615cc
642	0.605583	0.	8.85083	-5.5	00d04228-a29d-4a82-bc 57-4ce741afde4d
643	0.605583	0.	8.85083	-4.5	6ac4d0c1-1b76-49de-aa e8-5c7c26b19440
644	0.605583	0.	8.85083	-3.5	f3b0681c-5e53-41ad-9c1 1-6c959baba232
645	0.605583	0.	8.85083	-2.5	0fd98d9-297f-447c-b789 -12c47bc94408
646	0.605583	0.	8.85083	-1.5	5719d021-dcb0-42d0-95 80-5f66f5f34c3a
647	0.605583	0.	8.85083	-0.5	d9bb4160-0de6-45be-84 a5-c8f632b3d8c6
648	0.605583	0.	9.7825	-5.5	1c9cb7ac-ffa6-4cfa-82c6- 7e11d3f5917a
649	0.605583	0.	9.7825	-4.5	041d9723-4111-468a-8d e2-d3ac10faac2f
650	0.605583	0.	9.7825	-3.5	a6f72e75-1ae5-4e46-a2e c-fd1d19e2d2b3
651	0.605583	0.	9.7825	-2.5	fe14ae35-ef74-4840-b66 1-83f75cdc677f
652	0.605583	0.	9.7825	-1.5	adbe9147-cbd5-4c61-a2 55-beeb38175b14

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
653	0.605583	0.	9.7825	-0.5	eb7dcbe9-bb30-402a-a67c-4bd0b9d5d1d6
654	0.605583	0.	10.71417	-5.5	783c8c0b-5244-4234-b61e-18d59c61ea00
655	0.605583	0.	10.71417	-4.5	9c80cede-20e4-418d-9f90-23df18943c36
656	0.605583	0.	10.71417	-3.5	5b108504-7771-4089-9f9f-5ffe830ba2db
657	0.605583	0.	10.71417	-2.5	3cb19981-9cb1-4bcb-96d1-93c0ad26e419
658	0.605583	0.	10.71417	-1.5	063c74ec-049e-48e1-9bfc-68c3b9bc9902
659	0.605583	0.	10.71417	-0.5	8ad7ed9a-ea6c-481d-9b4c-6247f7fe53e2
660	0.605583	0.	11.64583	-5.5	55301500-bc6c-4a9b-9c28-f1d608564ff2
661	0.605583	0.	11.64583	-4.5	ba028abb-25b7-4502-89bd-98681fd5536b
662	0.605583	0.	11.64583	-3.5	a1b3b5c9-9f7e-4016-995a-1ae31279ba8d
663	0.605583	0.	11.64583	-2.5	00ca09f7-542b-4ece-8a51-9ab0d655a6a6
664	0.605583	0.	11.64583	-1.5	763fe116-fbed-407b-b31e-c0cbd58dc40c
665	0.605583	0.	11.64583	-0.5	dfc5105e-cca1-43cf-89dc-658f5a4ee01a
666	0.605583	0.	12.5775	-5.5	f27011f6-95ba-4175-99f8-81a296b6ff2e
667	0.605583	0.	12.5775	-4.5	3348c32b-984b-4175-a1d6-009a0f43a330
668	0.605583	0.	12.5775	-3.5	66f80e28-5950-42df-8f43-293ab0702e98
669	0.605583	0.	12.5775	-2.5	4ec2ac2f-0eaa-499b-af66-aa9923d1c72b
670	0.605583	0.	12.5775	-1.5	f443050e-3bf2-4ff6-9b39-d560bd04e509
671	0.605583	0.	12.5775	-0.5	4c8a835c-a091-4c45-8989-b0a3d792cebe
672	0.605583	0.	13.50917	-5.5	01255253-1513-44fb-9ff1-bf7deccc1def
673	0.605583	0.	13.50917	-4.5	8e57bb9e-9865-4448-8641-cd3a6af94afb
674	0.605583	0.	13.50917	-3.5	fba39bbe-2285-41a5-8a15-d272564c5ba4
675	0.605583	0.	13.50917	-2.5	210c6af0-c039-4e5b-91d3-daac69a21c4e
676	0.605583	0.	13.50917	-1.5	08b27ff1-2da6-4877-b8b9-6e8e8d3f0610
677	0.605583	0.	13.50917	-0.5	9f32c07f-138d-4c21-b989-9a4bc4676264
678	0.605583	0.	14.44083	-5.5	b6213f2b-c66c-4678-9498-4f048a010314
679	0.605583	0.	14.44083	-4.5	357096b8-2d40-41db-b637-be2db0711643
680	0.605583	0.	14.44083	-3.5	be2e7504-168f-44ac-8836-e56ad4862e0f
681	0.605583	0.	14.44083	-2.5	5cca6c11-8c57-4463-b3b5-0f4baee51ef2
682	0.605583	0.	14.44083	-1.5	5bdf6c06-6cb0-49bf-afc9-fac151d5f45c

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
683	0.605583	0.	14.44083	-0.5	041d8ec9-988e-450b-896b-40bffc6b6451
684	0.605583	0.	15.3725	-5.5	9d538548-082f-4b77-afd1-260d8dc23182
685	0.605583	0.	15.3725	-4.5	f4628eb4-4c33-4e52-bf71-1fdf87e05ffc
686	0.605583	0.	15.3725	-3.5	0877891a-4f5f-463e-a4f3-0a7a0e649152
687	0.605583	0.	15.3725	-2.5	f3ea82d0-aa02-42bf-abc-c-8648f09c9ad3
688	0.605583	0.	15.3725	-1.5	fc03a78a-2dd9-4c2f-be75-9db0d5be527f
689	0.605583	0.	15.3725	-0.5	cdb0830e-3973-4170-a647-e7d67ac35b3c
690	0.605583	0.	16.30417	-5.5	f23f9ae7-97b5-407b-9c57-941c0daa4a6a
691	0.605583	0.	16.30417	-4.5	de5bd746-05b4-4129-92f1-707d7e95e580
692	0.605583	0.	16.30417	-3.5	333b61b1-fff3-40c3-8a8f-b350106dd953
693	0.605583	0.	16.30417	-2.5	59ac98e8-b4ed-45c6-8681-e959be880776
694	0.605583	0.	16.30417	-1.5	e7d26e5a-351b-4730-8792-3c90ba00ba37
695	0.605583	0.	16.30417	-0.5	3d5279a2-1a19-4e3d-bfd9-f4e875dc520f
696	0.605583	0.	17.23583	-5.5	6654a0e9-e65b-4a56-979c-86fa54f62e1e
697	0.605583	0.	17.23583	-4.5	80ab172c-23e1-4a43-a2b5-cdedfa9b5a2
698	0.605583	0.	17.23583	-3.5	834b8cc2-34bf-4134-b72a-bf7a5118823b
699	0.605583	0.	17.23583	-2.5	248892a7-604f-45e4-8ab2-fdb1de4c943d
700	0.605583	0.	17.23583	-1.5	d9fac732-2501-458b-a9c6-594af0513137
701	0.605583	0.	17.23583	-0.5	ca9c5a2f-cca4-45bd-9b1c-a114c2f10f6e
702	0.605583	0.	18.1675	-5.5	2a453526-8a0d-4a97-8212-d5827b3b8f39
703	0.605583	0.	18.1675	-4.5	de2f1872-8ee9-402e-bae7-a4e1e13906c7
704	0.605583	0.	18.1675	-3.5	fad48731-cafa-46cd-81d9-d6bbbf2138b1
705	0.605583	0.	18.1675	-2.5	2b41ed5b-76d5-480d-a0c5-1c548477c191
706	0.605583	0.	18.1675	-1.5	48c380df-8135-4ea6-ba6b-69a722ed2af5
707	0.605583	0.	18.1675	-0.5	171866d8-6608-419e-b29b-baff2b0c1cc9
708	0.605583	0.	19.09917	-5.5	bef5ea87-1c0e-454c-8454-8527dc65cb24
709	0.605583	0.	19.09917	-4.5	f4fc2cb1-2769-4d3e-8ce6-b4c5cd1b11de
710	0.605583	0.	19.09917	-3.5	30dea38c-0f36-43e4-acf7-a1acd5744ad1
711	0.605583	0.	19.09917	-2.5	9fe3fdeb-f6a3-46a6-beeb-e24d81c9ae44
712	0.605583	0.	19.09917	-1.5	2297406c-0a75-46de-8563-0ac27975dc67

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
713	0.605583	0.	19.09917	-0.5	98254df4-62fd-4557-a043-9113e4412cac
714	0.605583	0.	20.03083	-5.5	3ab14321-4df7-4c6a-aa0e-9f84ab3631d7
715	0.605583	0.	20.03083	-4.5	ee16172a-35ed-4858-b3ba-64b41c96a92e
716	0.605583	0.	20.03083	-3.5	7dfa553d-e70d-43d1-acfe-d05f0e4723a6
717	0.605583	0.	20.03083	-2.5	f2bbee2c-3934-48e8-ab35-80b2a0e8c661
718	0.605583	0.	20.03083	-1.5	e5e5138d-eeee-4962-90dc-c767f5188753
719	0.605583	0.	20.03083	-0.5	68c3a310-0953-4d8d-8650-3c6036ea10e8
720	0.605583	0.	20.9625	-5.5	aa8e6fef-6193-44cf-b6c0-2fb04a5fca9b
721	0.605583	0.	20.9625	-4.5	b7bf17a1-38dc-4f0b-b0d4-a446716db0a5
722	0.605583	0.	20.9625	-3.5	27ce9726-bfb0-4772-9aa9-1e849b889996
723	0.605583	0.	20.9625	-2.5	e52aa9a1-f066-4d3d-a5a1-fb0e4925336d
724	0.605583	0.	20.9625	-1.5	227057a6-150d-4e3b-8f60-037011c183ae
725	0.605583	0.	20.9625	-0.5	d7c33f54-c23b-45d1-82e6-63b652400cc3
726	0.605583	0.	21.89417	-5.5	1a2205c3-c57f-4d26-80cd-9e355247ad98
727	0.605583	0.	21.89417	-4.5	d5bc648b-b23c-4b60-8f30-a067d5c1eab7
728	0.605583	0.	21.89417	-3.5	1268c7ae-bb53-4bef-ae6a-fcf15f434193
729	0.605583	0.	21.89417	-2.5	5d96b150-dd1b-497e-882f-7c480d645203
730	0.605583	0.	21.89417	-1.5	8d2605a8-0982-4bdd-8497-1e7716ee9b4a
731	0.605583	0.	21.89417	-0.5	e156ac65-45f8-4052-9e0c-3ab0e0c8c41a
732	0.605583	0.	22.82583	-5.5	553b020f-0a5f-462f-b918-b66bb8e6b54f
733	0.605583	0.	22.82583	-4.5	f49ca978-5213-4845-883b-3c953262f85a
734	0.605583	0.	22.82583	-3.5	c772a44e-1e7d-4f2b-adaf-0cac3d8d47fa
735	0.605583	0.	22.82583	-2.5	1aa26173-7567-414a-9835-accb152fe167
736	0.605583	0.	22.82583	-1.5	47422094-de87-4f8c-96c9-1c4ef81d9677
737	0.605583	0.	22.82583	-0.5	3a76c88b-64a0-48b8-88e5-9d8a78c5c8ee
738	0.605583	0.	23.7575	-5.5	cc1cc5f3-5d21-4b4b-9c94-9de2efa7e595
739	0.605583	0.	23.7575	-4.5	5da0463f-420a-46da-8685-294540e33487
740	0.605583	0.	23.7575	-3.5	4220b0a1-2118-4320-95bd-01b070af96ac
741	0.605583	0.	23.7575	-2.5	93d9d7e0-c8bd-47a6-b03e-4fb7c2ea63bd
742	0.605583	0.	23.7575	-1.5	ec87a960-82f2-4c59-9a98-25c3c2987a07

Table 6: Connectivity - Area, Part 2 of 2

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
743	0.605583	0.	23.7575	-0.5	3ee19aa4-695d-47a5-b437-fd7c02168ece
744	0.605583	0.	24.68917	-5.5	fb2b0949-ac08-414b-ab78-1d69c8212fc5
745	0.605583	0.	24.68917	-4.5	ee245e42-50c7-4609-9711-f5912128c1bc
746	0.605583	0.	24.68917	-3.5	ca8833a1-cba4-4654-a2cb-10736787e649
747	0.605583	0.	24.68917	-2.5	bd4e6a26-8085-41ca-ac8a-7bcb743d9c6
748	0.605583	0.	24.68917	-1.5	f7e9bc7d-cc6c-4a9e-a2c2-c48a7ad9725c
749	0.605583	0.	24.68917	-0.5	ff4d67d0-68d2-4e0f-8267-6be252593bb6
750	0.605583	0.	25.62083	-5.5	ec61c650-e8b4-431a-b0f9-13069aefd12c
751	0.605583	0.	25.62083	-4.5	a93c973b-b69f-4d0a-b771-4a48fffc08aa
752	0.605583	0.	25.62083	-3.5	16f92251-d3b4-43e1-9a99-58e36cead6ec
753	0.605583	0.	25.62083	-2.5	d45bbf59-c499-46a4-87e2-906e214d06af
754	0.605583	0.	25.62083	-1.5	23fb36f2-b82c-4698-9beb-9ceb84d1ad61
755	0.605583	0.	25.62083	-0.5	594bbed0-8957-44ef-a0db-35bfc6375ed7
756	0.605583	0.	26.5525	-5.5	758b4c99-39ad-4d48-8e84-71782d5ced01
757	0.605583	0.	26.5525	-4.5	b1be4b0f-8d70-4818-bfbd-6249411d35a2
758	0.605583	0.	26.5525	-3.5	20d1f804-513f-44b7-b2a9-8f3c608d3a6a
759	0.605583	0.	26.5525	-2.5	7a856819-0c9a-4c64-9eeb-6e11ab6379d6
760	0.605583	0.	26.5525	-1.5	d95390aa-d961-4627-8db4-0decf03560e8
761	0.605583	0.	26.5525	-0.5	42434d38-2b3f-4684-9ab9-bb428ce1464f
762	0.605583	0.	27.48417	-5.5	774162c0-c14b-49d2-b7b9-6a141d7feabb
763	0.605583	0.	27.48417	-4.5	b24c1f32-cb30-4944-aea7-cd3bb823f898
764	0.605583	0.	27.48417	-3.5	286bb940-825f-4513-85f7-ecf3556f4e5f
765	0.605583	0.	27.48417	-2.5	1d996eb7-043b-4319-bbc2-a0c7254d0cca
766	0.605583	0.	27.48417	-1.5	1c4c96b4-0afd-4e17-bd5f-58a1a099e850
767	0.605583	0.	27.48417	-0.5	4e1080cc-0186-4263-9858-cea602899f44
768	0.605584	0.	28.41583	-5.5	4321aa50-1422-465f-9c80-fdcbbbd5bdce
769	0.605584	0.	28.41583	-4.5	40af1800-4dc5-4486-b69a-d2d6deb07c54
770	0.605584	0.	28.41583	-3.5	e99e74cb-6397-4cdb-bb8a-9577f3643ed3
771	0.605583	0.	28.41583	-2.5	b18c12bb-9bab-47f3-99ad-181f9b6b9eac
772	0.605583	0.	28.41583	-1.5	2030863b-5c8c-4294-a202-5a0841db461f

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
773	0.605583	0.	28.41583	-0.5	284cc1d1-fbcb-4cf7-b9a6-3bbd28a59a3b
774	0.605584	0.	29.3475	-5.5	3448a72b-4b3c-49f9-91e3-1cd6cb660d47
775	0.605584	0.	29.3475	-4.5	f2259870-238f-4c7b-ae27-5c860722fee6
776	0.605584	0.	29.3475	-3.5	e9d94dc0-1237-46fe-bb11-421b873235b4
777	0.605583	0.	29.3475	-2.5	c16da19f-aa36-43b0-a9a8-215716c6fc33
778	0.605583	0.	29.3475	-1.5	35423ae9-ff57-439f-b1b4-c0e477c2f19d
779	0.605583	0.	29.3475	-0.5	29486e7c-bd24-4917-9950-1a00127847c2
780	0.605584	0.	30.27917	-5.5	0088a1ac-c108-413d-92ea-c6a0153842e6
781	0.605584	0.	30.27917	-4.5	eabd417b-ab71-4773-9104-dce445ead9d8
782	0.605584	0.	30.27917	-3.5	9f07dcbf-a1f6-456f-abcb-b21e29821249
783	0.605583	0.	30.27917	-2.5	2d871325-36b1-4102-a29d-cf54cdd03869
784	0.605583	0.	30.27917	-1.5	231a5f62-a5fb-4709-9852-6ce5249acd31
785	0.605583	0.	30.27917	-0.5	efce6ec6-7916-4a3f-a6f0-6846183453a1
786	0.605584	0.	31.21083	-5.5	db0747f7-f3f4-4c0a-9867-a0436ef5b791
787	0.605584	0.	31.21083	-4.5	10720de1-621d-4ce6-9b79-ef391066bf6d
788	0.605584	0.	31.21083	-3.5	480a277b-9e00-4e7d-b6c3-f59c9d1e1353
789	0.605583	0.	31.21083	-2.5	b2aed2f5-bca7-4b3c-a051-af64cddb4d68
790	0.605583	0.	31.21083	-1.5	16ba8434-b7ae-488e-a87d-a9e59f9b0b26
791	0.605583	0.	31.21083	-0.5	7293f569-c168-474b-b7fa-1af2e12a2740
792	0.605584	0.	32.1425	-5.5	254373a0-89d1-4331-8b6d-51446ea6833e
793	0.605584	0.	32.1425	-4.5	60737524-dd97-491a-80ac-d33e199dcb0f
794	0.605584	0.	32.1425	-3.5	40285345-9645-4906-8f21-3ea91840b5b5
795	0.605583	0.	32.1425	-2.5	1293d664-8e5a-4361-940a-fcad6388d95d
796	0.605583	0.	32.1425	-1.5	b56c98b0-1c35-4942-a06d-82e0c99d4997
797	0.605583	0.	32.1425	-0.5	c37b5f25-97a8-4d27-9431-c4bc9cb537b4
798	0.605584	0.	33.07417	-5.5	bbc31b5f-277e-469c-805d-32b87586bfb9
799	0.605584	0.	33.07417	-4.5	92bafed8-2c77-4f2e-bbf5-e9841210ca25
800	0.605584	0.	33.07417	-3.5	085c697e-31cb-49bc-980f-8e6c957cd129
801	0.605583	0.	33.07417	-2.5	e67ce510-ef49-40f1-9205-41ec64aa83b1
802	0.605583	0.	33.07417	-1.5	257e5b18-6736-43df-9065-ef20ce2c2409

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
803	0.605583	0.	33.07417	-0.5	2f61b3fb-9cdc-47f9-9363-0d64d68dd6db
804	0.605583	-7.285E-08	34.00583	-5.5	01a1734d-2a0b-478c-9998-9508c911a1c4
805	0.605583	-5.960E-08	34.00583	-4.5	b324bcec-3c64-4b45-9651-6521674a8245
806	0.605583	-4.636E-08	34.00583	-3.5	c3f6eb72-b2df-4e0d-bb89-684427176b42
807	0.605583	-3.311E-08	34.00583	-2.5	91b5418d-296c-4b6e-bc49-26a35a50bd06
808	0.605583	-1.987E-08	34.00583	-1.5	b0fb4f3a-8e48-4db3-b16f-7e8bbd04c97f
809	0.605583	-6.623E-09	34.00583	-0.5	a9830709-e454-48ca-adfb-828f7f7f8915
810	0.605583	-2.186E-07	34.9375	-5.5	384859f1-aa2d-49e5-842d-f86711847d0e
811	0.605583	-1.788E-07	34.9375	-4.5	53568a4c-a4b6-4691-9986-63a92262af7f
812	0.605583	-1.391E-07	34.9375	-3.5	b6ef28c5-ec12-4645-bf1f-36270b1a6e74
813	0.605583	-9.934E-08	34.9375	-2.5	b9fce1d7-6ada-476e-83d4-540fe7a2d84a
814	0.605583	-5.960E-08	34.9375	-1.5	0c3e8014-5976-4e2b-a190-53e5b9243363
815	0.605583	-1.987E-08	34.9375	-0.5	dcbe55a1-6771-4605-8684-c872f65068bb
816	0.605583	-3.643E-07	35.86917	-5.5	93f42acf-1c40-4719-aaf8-c2b32fe2f939
817	0.605583	-2.980E-07	35.86917	-4.5	5ea2d11e-e7cc-426f-968c-88ad81035801
818	0.605583	-2.318E-07	35.86917	-3.5	12aa2cce-dd46-4fae-95d8-566f71b8b638
819	0.605583	-1.656E-07	35.86917	-2.5	698bdd53-0ce6-420f-837f-ab28de6c9a3f
820	0.605583	-9.934E-08	35.86917	-1.5	2b05f0b6-dcbb-44eb-9670-4404e8fc4c99
821	0.605583	-3.311E-08	35.86917	-0.5	477f88e1-23ad-4247-b6dd-24f27bd82e7d
822	0.605583	-5.100E-07	36.80083	-5.5	75abc0af-f3d2-46e0-b44d-5f94e220d2b3
823	0.605583	-4.172E-07	36.80083	-4.5	a5026541-55be-465f-ae4c-6eeb48b9dce6
824	0.605583	-3.245E-07	36.80083	-3.5	0cd3c6f5-1c20-469f-9a97-86a863c15e79
825	0.605583	-2.318E-07	36.80083	-2.5	2b1f9cb9-1cce-4427-9c78-0c391846041a
826	0.605583	-1.391E-07	36.80083	-1.5	1e89bed6-1edb-41f8-a60f-196a495fc617
827	0.605583	-4.636E-08	36.80083	-0.5	6d007080-6918-470f-80d5-e1ff5bc31d6
828	0.605583	-6.557E-07	37.7325	-5.5	747b466a-500c-4748-a61c-5f92142dc729
829	0.605583	-5.364E-07	37.7325	-4.5	971045dc-d10b-4a70-99ca-5cfc6b56975d
830	0.605583	-4.172E-07	37.7325	-3.5	ba2b4f49-b972-40b7-b9b4-efd6552820b7
831	0.605583	-2.980E-07	37.7325	-2.5	d825a503-9727-41dc-bd9d-a8c23bd2a7eb
832	0.605583	-1.788E-07	37.7325	-1.5	856495f8-2aae-40d3-9427-959b0dc2d42a

**Table 6: Connectivity - Area, Part 2 of 2**

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
833	0.605583	-5.960E-08	37.7325	-0.5	618eab6e-8fbc-4c90-aea 8-6d7de964b9d2
834	0.605583	-8.014E-07	38.66417	-5.5	338593f8-cd21-4333-bab 7-86846fcc8cc5
835	0.605583	-6.557E-07	38.66417	-4.5	b48dbe28-13da-4fdf-865 6-dbb7b9a9ff33
836	0.605583	-5.100E-07	38.66417	-3.5	0716d6e3-e911-4074-b3 65-95d40bdd0bc4
837	0.605583	-3.643E-07	38.66417	-2.5	4e8604d8-2995-46aa-a6f f-64444390b5ce
838	0.605583	-2.186E-07	38.66417	-1.5	1ca07643-5f69-417d-b22 8-aabb4a8fa572
839	0.605583	-7.285E-08	38.66417	-0.5	fd8b0104-9ed1-4523-aac d-38762dce1a85

**Table 7: Area Section Assignments**

**Table 7: Area Section Assignments**

Area	Section	MatProp
1	M650	Default
2	M650	Default
3	M650	Default
4	M650	Default
24	M650	Default
25	M650	Default
26	M650	Default
27	M650	Default
28	M650	Default
30	M650	Default
31	M650	Default
32	M650	Default
33	M650	Default
34	M650	Default
36	M650	Default
37	M650	Default
38	M650	Default
39	M650	Default
40	M650	Default
41	M650	Default
42	M650	Default
43	M650	Default
44	M650	Default
45	M650	Default
46	M650	Default
47	M650	Default
48	M650	Default
49	M650	Default
50	M650	Default
51	M650	Default
52	M650	Default
53	M650	Default
54	M650	Default
55	M650	Default

**Table 7: Area Section Assignments**

Area	Section	MatProp
56	M650	Default
57	M650	Default
58	M650	Default
59	M650	Default
60	M650	Default
61	M650	Default
62	M650	Default
63	M650	Default
64	M650	Default
65	M650	Default
66	M650	Default
67	M650	Default
68	M650	Default
69	M650	Default
70	M650	Default
71	M650	Default
72	M650	Default
73	M650	Default
74	M650	Default
75	M650	Default
76	M650	Default
77	M650	Default
78	M650	Default
79	M650	Default
80	M650	Default
81	M650	Default
82	M650	Default
83	M650	Default
84	M650	Default
85	M650	Default
86	M650	Default
87	M650	Default
88	M650	Default
89	M650	Default
90	M650	Default
91	M650	Default
92	M650	Default
93	M650	Default
94	M650	Default
95	M650	Default
96	M650	Default
97	M650	Default
98	M650	Default
99	M650	Default
100	M650	Default
101	M650	Default
102	M650	Default
103	M650	Default
104	M650	Default
105	M650	Default
106	M650	Default
107	M650	Default
108	M650	Default
109	M650	Default

**Table 7: Area Section Assignments**

Area	Section	MatProp
110	M650	Default
111	M650	Default
112	M650	Default
113	M650	Default
114	M650	Default
115	M650	Default
116	M650	Default
117	M650	Default
118	M650	Default
119	M650	Default
120	M650	Default
121	M650	Default
122	M650	Default
123	M650	Default
124	M650	Default
125	M650	Default
126	M650	Default
127	M650	Default
128	M650	Default
129	M650	Default
130	M650	Default
131	M650	Default
180	M650	Default
181	M650	Default
182	M650	Default
183	M650	Default
184	M650	Default
185	M650	Default
186	M650	Default
187	M650	Default
188	M650	Default
189	M650	Default
190	M650	Default
191	M650	Default
192	M650	Default
193	M650	Default
194	M650	Default
195	M650	Default
196	M650	Default
197	M650	Default
198	M650	Default
199	M650	Default
200	M650	Default
201	M650	Default
202	M650	Default
203	M650	Default
204	M650	Default
205	M650	Default
206	M650	Default
207	M650	Default
208	M650	Default
209	M650	Default
210	M650	Default
211	M650	Default

**Table 7: Area Section Assignments**

Area	Section	MatProp
212	M650	Default
213	M650	Default
214	M650	Default
215	M650	Default
216	M650	Default
217	M650	Default
218	M650	Default
219	M650	Default
220	M650	Default
221	M650	Default
222	M650	Default
223	M650	Default
224	M650	Default
225	M650	Default
226	M650	Default
227	M650	Default
228	M650	Default
229	M650	Default
230	M650	Default
231	M650	Default
232	M650	Default
233	M650	Default
234	M650	Default
235	M650	Default
236	M650	Default
237	M650	Default
238	M650	Default
239	M650	Default
240	M650	Default
241	M650	Default
242	M650	Default
243	M650	Default
244	M650	Default
245	M650	Default
246	M650	Default
247	M650	Default
248	M650	Default
249	M650	Default
250	M650	Default
251	M650	Default
252	M650	Default
253	M650	Default
254	M650	Default
255	M650	Default
256	M650	Default
257	M650	Default
258	M650	Default
259	M650	Default
260	M650	Default
261	M650	Default
262	M650	Default
263	M650	Default
264	M650	Default
265	M650	Default

**Table 7: Area Section Assignments**

Area	Section	MatProp
266	M650	Default
267	M650	Default
268	M650	Default
269	M650	Default
270	M650	Default
271	M650	Default
272	M650	Default
273	M650	Default
274	M650	Default
275	M650	Default
276	M650	Default
277	M650	Default
278	M650	Default
279	M650	Default
280	M650	Default
281	M650	Default
282	M650	Default
283	M650	Default
284	M650	Default
285	M650	Default
286	M650	Default
287	M650	Default
336	M650	Default
337	M650	Default
338	M650	Default
339	M650	Default
340	M650	Default
341	M650	Default
342	M650	Default
343	M650	Default
344	M650	Default
345	M650	Default
346	M650	Default
347	M650	Default
348	M650	Default
349	M650	Default
350	M650	Default
351	M650	Default
352	M650	Default
353	M650	Default
354	M650	Default
355	M650	Default
356	M650	Default
357	M650	Default
358	M650	Default
359	M650	Default
360	M650	Default
361	M650	Default
362	M650	Default
363	M650	Default
364	M650	Default
365	M650	Default
366	M650	Default
367	M650	Default

**Table 7: Area Section Assignments**

Area	Section	MatProp
368	M650	Default
369	M650	Default
370	M650	Default
371	M650	Default
372	M650	Default
373	M650	Default
374	M650	Default
375	M650	Default
376	M650	Default
377	M650	Default
378	M650	Default
379	M650	Default
380	M650	Default
381	M650	Default
382	M650	Default
383	M650	Default
384	M650	Default
385	M650	Default
386	M650	Default
387	M650	Default
388	M650	Default
389	M650	Default
390	M650	Default
391	M650	Default
392	M650	Default
393	M650	Default
394	M650	Default
395	M650	Default
396	M650	Default
397	M650	Default
398	M650	Default
399	M650	Default
400	M650	Default
401	M650	Default
402	M650	Default
403	M650	Default
404	M650	Default
405	M650	Default
406	M650	Default
407	M650	Default
408	M650	Default
409	M650	Default
410	M650	Default
411	M650	Default
412	M650	Default
413	M650	Default
414	M650	Default
415	M650	Default
416	M650	Default
417	M650	Default
418	M650	Default
419	M650	Default
420	M650	Default
421	M650	Default

Table 7: Area Section Assignments

Area	Section	MatProp
422	M650	Default
423	M650	Default
424	M650	Default
425	M650	Default
426	M650	Default
427	M650	Default
428	M650	Default
429	M650	Default
430	M650	Default
431	M650	Default
432	M650	Default
433	M650	Default
434	M650	Default
435	M650	Default
436	M650	Default
437	M650	Default
438	M650	Default
439	M650	Default
440	M650	Default
441	M650	Default
442	M650	Default
443	M650	Default
444	M650	Default
445	M650	Default
446	M650	Default
447	M650	Default
448	M650	Default
449	M650	Default
450	M650	Default
451	M650	Default
452	M650	Default
453	M650	Default
454	M650	Default
455	M650	Default
456	M650	Default
457	M650	Default
458	M650	Default
459	M650	Default
460	M650	Default
461	M650	Default
462	M650	Default
463	M650	Default
464	M650	Default
465	M650	Default
466	M650	Default
467	M650	Default
468	M650	Default
469	M650	Default
470	M650	Default
471	M650	Default
472	M650	Default
473	M650	Default
474	M650	Default
475	M650	Default

Table 7: Area Section Assignments

Area	Section	MatProp
476	M650	Default
477	M650	Default
478	M650	Default
479	M650	Default
480	M650	Default
481	M650	Default
482	M650	Default
483	M650	Default
484	M650	Default
485	M650	Default
486	M650	Default
487	M650	Default
488	M650	Default
489	M650	Default
490	M650	Default
491	M650	Default
492	M650	Default
493	M650	Default
494	M650	Default
495	M650	Default
496	M650	Default
497	M650	Default
498	M650	Default
499	M650	Default
500	M650	Default
501	M650	Default
502	M650	Default
503	M650	Default
504	M650	Default
505	M650	Default
506	M650	Default
507	M650	Default
508	M650	Default
509	M650	Default
510	M650	Default
511	M650	Default
512	M650	Default
513	M650	Default
514	M650	Default
515	M650	Default
516	M650	Default
517	M650	Default
518	M650	Default
519	M650	Default
520	M650	Default
521	M650	Default
522	M650	Default
523	M650	Default
524	M650	Default
525	M650	Default
526	M650	Default
527	M650	Default
528	M650	Default
529	M650	Default

**Table 7: Area Section Assignments**

Area	Section	MatProp
530	M650	Default
531	M650	Default
532	M650	Default
533	M650	Default
534	M650	Default
535	M650	Default
536	M650	Default
537	M650	Default
538	M650	Default
539	M650	Default
540	M650	Default
541	M650	Default
542	M650	Default
543	M650	Default
544	M650	Default
545	M650	Default
546	M650	Default
547	M650	Default
548	M650	Default
549	M650	Default
550	M650	Default
551	M650	Default
552	M650	Default
553	M650	Default
554	M650	Default
555	M650	Default
556	M650	Default
557	M650	Default
558	M650	Default
559	M650	Default
560	M650	Default
561	M650	Default
562	M650	Default
563	M650	Default
564	M650	Default
565	M650	Default
566	M650	Default
567	M650	Default
568	M650	Default
569	M650	Default
570	M650	Default
571	M650	Default
572	M650	Default
573	M650	Default
574	M650	Default
575	M650	Default
576	M650	Default
577	M650	Default
578	M650	Default
579	M650	Default
580	M650	Default
581	M650	Default
582	M650	Default
583	M650	Default

Table 7: Area Section Assignments

Area	Section	MatProp
584	M650	Default
585	M650	Default
586	M650	Default
587	M650	Default
588	M650	Default
589	M650	Default
590	M650	Default
591	M650	Default
592	M650	Default
593	M650	Default
594	M650	Default
595	M650	Default
596	M650	Default
597	M650	Default
598	M650	Default
599	M650	Default
600	M650	Default
601	M650	Default
602	M650	Default
603	M650	Default
604	M650	Default
605	M650	Default
606	M650	Default
607	M650	Default
608	M650	Default
609	M650	Default
610	M650	Default
611	M650	Default
612	M650	Default
613	M650	Default
614	M650	Default
615	M650	Default
616	M650	Default
617	M650	Default
618	M650	Default
619	M650	Default
620	M650	Default
621	M650	Default
622	M650	Default
623	M650	Default
624	M650	Default
625	M650	Default
626	M650	Default
627	M650	Default
628	M650	Default
629	M650	Default
630	M650	Default
631	M650	Default
632	M650	Default
633	M650	Default
634	M650	Default
635	M650	Default
636	M650	Default
637	M650	Default

Table 7: Area Section Assignments

Area	Section	MatProp
638	M650	Default
639	M650	Default
640	M650	Default
641	M650	Default
642	M650	Default
643	M650	Default
644	M650	Default
645	M650	Default
646	M650	Default
647	M650	Default
648	M650	Default
649	M650	Default
650	M650	Default
651	M650	Default
652	M650	Default
653	M650	Default
654	M650	Default
655	M650	Default
656	M650	Default
657	M650	Default
658	M650	Default
659	M650	Default
660	M650	Default
661	M650	Default
662	M650	Default
663	M650	Default
664	M650	Default
665	M650	Default
666	M650	Default
667	M650	Default
668	M650	Default
669	M650	Default
670	M650	Default
671	M650	Default
672	M650	Default
673	M650	Default
674	M650	Default
675	M650	Default
676	M650	Default
677	M650	Default
678	M650	Default
679	M650	Default
680	M650	Default
681	M650	Default
682	M650	Default
683	M650	Default
684	M650	Default
685	M650	Default
686	M650	Default
687	M650	Default
688	M650	Default
689	M650	Default
690	M650	Default
691	M650	Default

**Table 7: Area Section Assignments**

Area	Section	MatProp
692	M650	Default
693	M650	Default
694	M650	Default
695	M650	Default
696	M650	Default
697	M650	Default
698	M650	Default
699	M650	Default
700	M650	Default
701	M650	Default
702	M650	Default
703	M650	Default
704	M650	Default
705	M650	Default
706	M650	Default
707	M650	Default
708	M650	Default
709	M650	Default
710	M650	Default
711	M650	Default
712	M650	Default
713	M650	Default
714	M650	Default
715	M650	Default
716	M650	Default
717	M650	Default
718	M650	Default
719	M650	Default
720	M650	Default
721	M650	Default
722	M650	Default
723	M650	Default
724	M650	Default
725	M650	Default
726	M650	Default
727	M650	Default
728	M650	Default
729	M650	Default
730	M650	Default
731	M650	Default
732	M650	Default
733	M650	Default
734	M650	Default
735	M650	Default
736	M650	Default
737	M650	Default
738	M650	Default
739	M650	Default
740	M650	Default
741	M650	Default
742	M650	Default
743	M650	Default
744	M650	Default
745	M650	Default

**Table 7: Area Section Assignments**

Area	Section	MatProp
746	M650	Default
747	M650	Default
748	M650	Default
749	M650	Default
750	M650	Default
751	M650	Default
752	M650	Default
753	M650	Default
754	M650	Default
755	M650	Default
756	M650	Default
757	M650	Default
758	M650	Default
759	M650	Default
760	M650	Default
761	M650	Default
762	M650	Default
763	M650	Default
764	M650	Default
765	M650	Default
766	M650	Default
767	M650	Default
768	M650	Default
769	M650	Default
770	M650	Default
771	M650	Default
772	M650	Default
773	M650	Default
774	M650	Default
775	M650	Default
776	M650	Default
777	M650	Default
778	M650	Default
779	M650	Default
780	M650	Default
781	M650	Default
782	M650	Default
783	M650	Default
784	M650	Default
785	M650	Default
786	M650	Default
787	M650	Default
788	M650	Default
789	M650	Default
790	M650	Default
791	M650	Default
792	M650	Default
793	M650	Default
794	M650	Default
795	M650	Default
796	M650	Default
797	M650	Default
798	M650	Default
799	M650	Default

**Table 7: Area Section Assignments**

Area	Section	MatProp
800	M650	Default
801	M650	Default
802	M650	Default
803	M650	Default
804	M650	Default
805	M650	Default
806	M650	Default
807	M650	Default
808	M650	Default
809	M650	Default
810	M650	Default
811	M650	Default
812	M650	Default
813	M650	Default
814	M650	Default
815	M650	Default
816	M650	Default
817	M650	Default
818	M650	Default
819	M650	Default
820	M650	Default
821	M650	Default
822	M650	Default
823	M650	Default
824	M650	Default
825	M650	Default
826	M650	Default
827	M650	Default
828	M650	Default
829	M650	Default
830	M650	Default
831	M650	Default
832	M650	Default
833	M650	Default
834	M650	Default
835	M650	Default
836	M650	Default
837	M650	Default
838	M650	Default
839	M650	Default

## 2. Material properties

This section provides material property information for materials used in the model.

**Table 8: Material Properties 02 - Basic Mechanical Properties**

**Table 8: Material Properties 02 - Basic Mechanical Properties**

Material	UnitWeight KN/m3	UnitMass KN-s2/m4	E1 KN/m2	G12 KN/m2	U12	A1 1/C
B500S	7.6982E+01	7.8500E+00	200000000.			1.1700E-05
HA-30	2.5000E+01	2.5493E+00	28577000.	11907083.33	0.2	1.0000E-05

**Table 8: Material Properties 02 - Basic Mechanical Properties**

Material	UnitWeight	UnitMass	E1	G12	U12	A1
	KN/m3	KN-s2/m4	KN/m2	KN/m2		1/C
Rebar	7.6973E+01	7.8490E+00	199947978.8			1.1700E-05
S275	7.6973E+01	7.8490E+00	210000000.	80769230.77	0.3	1.1700E-05
Tendon	7.6973E+01	7.8490E+00	196500599.9			1.1700E-05

### 3. Section properties

This section provides section property information for objects used in the model.

#### 3.1. Frames

**Table 9: Frame Section Properties 01 - General, Part 1 of 4**

Table 9: Frame Section Properties 01 - General, Part 1 of 4

SectionName	Material	Shape	t3	t2	tf	tw	t2b	tfb	Area	TorsConst
			m	m	m	m	m	m	m2	m4
C330	S275	SD Section							0.008158	2.444E-07
C360	S275	SD Section							0.009555	3.407E-07
D16	S275	Circle	0.016						0.000201	6.434E-09
D20	S275	Circle	0.02						0.000314	1.571E-08
HE120A	S275	I/Wide Flange	0.114	0.12	0.008	0.005	0.12	0.008	0.00253	6.040E-08
HE120B	S275	I/Wide Flange	0.12	0.12	0.011	0.0065	0.12	0.011	0.0034	1.390E-07
HE140A	S275	I/Wide Flange	0.133	0.14	0.0085	0.0055	0.14	0.0085	0.00314	8.100E-08
HE140B	S275	I/Wide Flange	0.14	0.14	0.012	0.007	0.14	0.012	0.0043	2.020E-07
HE160A	S275	I/Wide Flange	0.152	0.16	0.009	0.006	0.16	0.009	0.00388	1.210E-07
HE160B	S275	I/Wide Flange	0.16	0.16	0.013	0.008	0.16	0.013	0.00543	3.130E-07
HE180A	S275	I/Wide Flange	0.171	0.18	0.0095	0.006	0.18	0.0095	0.00453	1.490E-07
HE180B	S275	I/Wide Flange	0.18	0.18	0.014	0.0085	0.18	0.014	0.00653	4.220E-07
HE200A	S275	I/Wide Flange	0.19	0.2	0.01	0.0065	0.2	0.01	0.00538	2.100E-07
HE200B	S275	I/Wide Flange	0.2	0.2	0.015	0.009	0.2	0.015	0.00781	5.970E-07
HE220A	S275	I/Wide Flange	0.21	0.22	0.011	0.007	0.22	0.011	0.00643	2.860E-07
HE220B	S275	I/Wide Flange	0.22	0.22	0.016	0.0095	0.22	0.016	0.0091	7.700E-07
HE240A	S275	I/Wide Flange	0.23	0.24	0.012	0.0075	0.24	0.012	0.00768	4.210E-07
HE240B	S275	I/Wide Flange	0.24	0.24	0.017	0.01	0.24	0.017	0.0106	1.040E-06
HE260A	S275	I/Wide Flange	0.25	0.26	0.0125	0.0075	0.26	0.0125	0.00868	5.420E-07
HE260B	S275	I/Wide Flange	0.26	0.26	0.0175	0.01	0.26	0.0175	0.0118	1.270E-06
HE280A	S275	I/Wide Flange	0.27	0.28	0.013	0.008	0.28	0.013	0.00973	6.350E-07
HE280B	S275	I/Wide Flange	0.28	0.28	0.018	0.0105	0.28	0.018	0.0131	1.460E-06
HE300A	S275	I/Wide Flange	0.29	0.3	0.014	0.0085	0.3	0.014	0.0113	8.780E-07
HE300B	S275	I/Wide Flange	0.3	0.3	0.019	0.011	0.3	0.019	0.0149	1.890E-06
HE320A	S275	I/Wide Flange	0.31	0.3	0.0155	0.009	0.3	0.0155	0.0124	1.120E-06
HE320B	S275	I/Wide Flange	0.32	0.3	0.0205	0.0115	0.3	0.0205	0.0161	2.300E-06
HE340A	S275	I/Wide Flange	0.33	0.3	0.0165	0.0095	0.3	0.0165	0.0133	1.310E-06
HE340B	S275	I/Wide Flange	0.34	0.3	0.0215	0.012	0.3	0.0215	0.0171	2.630E-06
HE360A	S275	I/Wide Flange	0.35	0.3	0.0175	0.01	0.3	0.0175	0.0143	1.530E-06
HE360B	S275	I/Wide Flange	0.36	0.3	0.0225	0.0125	0.3	0.0225	0.0181	2.980E-06
HE400A	S275	I/Wide Flange	0.39	0.3	0.019	0.011	0.3	0.019	0.0159	1.930E-06
HE400B	S275	I/Wide Flange	0.4	0.3	0.024	0.0135	0.3	0.024	0.0198	3.610E-06

**Table 9: Frame Section Properties 01 - General, Part 1 of 4**

SectionName	Material	Shape	t3	t2	tf	tw	t2b	tfb	Area	TorsConst
			m	m	m	m	m	m	m2	m4
IPE120	S275	I/Wide Flange	0.12	0.064	0.0063	0.0044	0.064	0.0063	0.00132	1.690E-08
IPE160	S275	I/Wide Flange	0.16	0.082	0.0074	0.005	0.082	0.0074	0.00201	3.540E-08
IPE180	S275	I/Wide Flange	0.18	0.091	0.008	0.0053	0.091	0.008	0.00239	4.730E-08
IPE200	S275	I/Wide Flange	0.2	0.1	0.0085	0.0056	0.1	0.0085	0.00285	6.920E-08
IPE220	S275	I/Wide Flange	0.22	0.11	0.0092	0.0059	0.11	0.0092	0.00334	9.030E-08
IPE240	S275	I/Wide Flange	0.24	0.12	0.0098	0.0062	0.12	0.0098	0.00391	1.300E-07
IPE270	S275	I/Wide Flange	0.27	0.135	0.0102	0.0066	0.135	0.0102	0.00459	1.590E-07
IPE300	S275	I/Wide Flange	0.3	0.15	0.0107	0.0071	0.15	0.0107	0.00538	1.990E-07
IPE330	S275	I/Wide Flange	0.33	0.16	0.0115	0.0075	0.16	0.0115	0.00626	2.810E-07
IPE360	S275	I/Wide Flange	0.36	0.17	0.0127	0.008	0.17	0.0127	0.00727	3.740E-07
IPE400	S275	I/Wide Flange	0.4	0.18	0.0135	0.0086	0.18	0.0135	0.00845	5.130E-07
IPE450	S275	I/Wide Flange	0.45	0.19	0.0146	0.0094	0.19	0.0146	0.00988	6.670E-07
IPE500	S275	I/Wide Flange	0.5	0.2	0.016	0.0102	0.2	0.016	0.0116	8.910E-07
IPE550	S275	I/Wide Flange	0.55	0.21	0.0172	0.0111	0.21	0.0172	0.0134	1.230E-06
L70X5	S275	Angle	0.07	0.07	0.005	0.005			0.00068	5.625E-09
									4	
L80X6	S275	Angle	0.08	0.08	0.006	0.006			0.00093	1.109E-08
									5	
UPE200	S275	Channel	0.2	0.08	0.011	0.006			0.0029	8.890E-08
UPE220	S275	Channel	0.22	0.085	0.012	0.0065			0.00339	1.205E-07
VAR-330		Nonprismatic								
VAR-360		Nonprismatic								

**Table 9: Frame Section Properties 01 - General, Part 2 of 4**

**Table 9: Frame Section Properties 01 - General, Part 2 of 4**

SectionName	I33	I22	I23	AS2	AS3	S33	S22	Z33	Z22
	m4	m4	m4	m2	m2	m3	m3	m3	m3
C330	0.000474	7.872E-06	0.	0.00454	0.003383	0.001528	0.000098	0.001788	0.000156
C360	0.000668	0.00001	0.	0.005311	0.003971	0.001964	0.000123	0.002298	0.000194
D16	3.217E-09	3.217E-09	0.	0.000181	0.000181	4.021E-07	4.021E-07	6.827E-07	6.827E-07
D20	7.854E-09	7.854E-09	0.	0.000283	0.000283	7.854E-07	7.854E-07	1.333E-06	1.333E-06
HE120A	6.060E-06	2.310E-06	0.	0.00057	0.0016	0.000106	0.000039	0.000119	0.000059
HE120B	8.640E-06	3.180E-06	0.	0.00078	0.0022	0.000144	0.000053	0.000165	0.000081
HE140A	0.00001	3.890E-06	0.	0.000732	0.001983	0.000155	0.000056	0.000173	0.000085
HE140B	0.000015	5.500E-06	0.	0.00098	0.0028	0.000216	0.000079	0.000245	0.00012
HE160A	0.000017	6.160E-06	0.	0.000912	0.0024	0.00022	0.000077	0.000245	0.000118
HE160B	0.000025	8.890E-06	0.	0.00128	0.003467	0.000312	0.000111	0.000354	0.00017
HE180A	0.000025	9.250E-06	0.	0.001026	0.00285	0.000294	0.000103	0.000325	0.000156
HE180B	0.000038	0.000014	0.	0.00153	0.0042	0.000426	0.000151	0.000481	0.000231
HE200A	0.000037	0.000013	0.	0.001235	0.003333	0.000389	0.000134	0.000429	0.000204
HE200B	0.000057	0.00002	0.	0.0018	0.005	0.00057	0.0002	0.000643	0.000306
HE220A	0.000054	0.00002	0.	0.00147	0.004033	0.000515	0.000178	0.000568	0.000271
HE220B	0.000081	0.000028	0.	0.00209	0.005867	0.000736	0.000258	0.000827	0.000394
HE240A	0.000078	0.000028	0.	0.001725	0.0048	0.000675	0.000231	0.000745	0.000352
HE240B	0.000113	0.000039	0.	0.0024	0.0068	0.000938	0.000327	0.001053	0.000498
HE260A	0.000105	0.000037	0.	0.001875	0.005417	0.000836	0.000282	0.00092	0.00043
HE260B	0.000149	0.000051	0.	0.0026	0.007583	0.001148	0.000395	0.001283	0.000602
HE280A	0.000137	0.000048	0.	0.00216	0.006067	0.001013	0.00034	0.001112	0.000518
HE280B	0.000193	0.000066	0.	0.00294	0.0084	0.001376	0.000471	0.001534	0.000718
HE300A	0.000183	0.000063	0.	0.002465	0.007	0.001259	0.000421	0.001383	0.000641
HE300B	0.000252	0.000086	0.	0.0033	0.0095	0.001678	0.000571	0.001869	0.00087
HE320A	0.000229	0.00007	0.	0.00279	0.00775	0.001479	0.000466	0.001628	0.00071
HE320B	0.000308	0.000092	0.	0.00368	0.01025	0.001926	0.000616	0.002149	0.000939

**Table 9: Frame Section Properties 01 - General, Part 2 of 4**

SectionName	I33 m4	I22 m4	I23 m4	AS2 m2	AS3 m2	S33 m3	S22 m3	Z33 m3	Z22 m3
HE340A	0.000277	0.000074	0.	0.003135	0.00825	0.001678	0.000496	0.00185	0.000756
HE340B	0.000367	0.000097	0.	0.00408	0.01075	0.002156	0.000646	0.002408	0.000986
HE360A	0.000331	0.000079	0.	0.0035	0.00875	0.001891	0.000526	0.002088	0.000802
HE360B	0.000432	0.000101	0.	0.0045	0.01125	0.002399	0.000676	0.002683	0.001032
HE400A	0.000451	0.000086	0.	0.00429	0.0095	0.002311	0.000571	0.002562	0.000873
HE400B	0.000577	0.000108	0.	0.0054	0.012	0.002884	0.000721	0.003232	0.001104
IPE120	3.180E-06	2.770E-07	0.	0.000528	0.000672	0.000053	8.656E-06	0.000061	0.000014
IPE160	8.690E-06	6.830E-07	0.	0.0008	0.001011	0.000109	0.000017	0.000124	0.000026
IPE180	0.000013	1.010E-06	0.	0.000954	0.001213	0.000146	0.000022	0.000166	0.000035
IPE200	0.000019	1.420E-06	0.	0.00112	0.001417	0.000194	0.000028	0.000221	0.000045
IPE220	0.000028	2.050E-06	0.	0.001298	0.001687	0.000252	0.000037	0.000285	0.000058
IPE240	0.000039	2.840E-06	0.	0.001488	0.00196	0.000324	0.000047	0.000367	0.000074
IPE270	0.000058	4.200E-06	0.	0.001782	0.002295	0.000429	0.000062	0.000484	0.000097
IPE300	0.000084	6.040E-06	0.	0.00213	0.002675	0.000557	0.000081	0.000628	0.000125
IPE330	0.000118	7.880E-06	0.	0.002475	0.003067	0.000713	0.000099	0.000804	0.000154
IPE360	0.000163	0.00001	0.	0.00288	0.003598	0.000904	0.000123	0.001019	0.000191
IPE400	0.000231	0.000013	0.	0.00344	0.00405	0.001157	0.000146	0.001307	0.000229
IPE450	0.000337	0.000017	0.	0.00423	0.004623	0.0015	0.000176	0.001702	0.000276
IPE500	0.000482	0.000021	0.	0.0051	0.005333	0.001928	0.000214	0.002194	0.000336
IPE550	0.000671	0.000027	0.	0.006105	0.00602	0.002441	0.000254	0.002787	0.000401
L70X5	3.123E-07	3.123E-07	1.917E-07	0.00035	0.00035	6.102E-06	6.102E-06	0.000011	0.000011
L80X6	5.582E-07	5.582E-07	3.414E-07	0.00048	0.00048	9.570E-06	9.570E-06	0.000018	0.000018
UPE200	0.000019	1.873E-06	0.	0.0012	0.00176	0.000191	0.000034	0.00022	0.000063
UPE220	0.000027	2.464E-06	0.	0.00143	0.00204	0.000244	0.000042	0.000282	0.000078
VAR-330									
VAR-360									

**Table 9: Frame Section Properties 01 - General, Part 3 of 4**

**Table 9: Frame Section Properties 01 - General, Part 3 of 4**

SectionName	R33 m	R22 m	EccV2 m	AMod	A2Mod	A3Mod	JMod	I2Mod	I3Mod	MMod
C330	0.24097	0.031064		1.	1.	1.	1.	1.	1.	1.
C360	0.264359	0.033035		1.	1.	1.	1.	1.	1.	1.
D16	0.004	0.004		1.	1.	1.	1.	1.	1.	1.
D20	0.005	0.005		1.	1.	1.	1.	1.	1.	1.
HE120A	0.048941	0.030217		1.	1.	1.	1.	1.	1.	1.
HE120B	0.05041	0.030583		1.	1.	1.	1.	1.	1.	1.
HE140A	0.057357	0.035197		1.	1.	1.	1.	1.	1.	1.
HE140B	0.059239	0.035764		1.	1.	1.	1.	1.	1.	1.
HE160A	0.065665	0.039845		1.	1.	1.	1.	1.	1.	1.
HE160B	0.067745	0.040462		1.	1.	1.	1.	1.	1.	1.
HE180A	0.074437	0.045188		1.	1.	1.	1.	1.	1.	1.
HE180B	0.076595	0.045687		1.	1.	1.	1.	1.	1.	1.
HE200A	0.08284	0.049832		1.	1.	1.	1.	1.	1.	1.
HE200B	0.0854	0.050642		1.	1.	1.	1.	1.	1.	1.
HE220A	0.091726	0.05514		1.	1.	1.	1.	1.	1.	1.
HE220B	0.094293	0.055894		1.	1.	1.	1.	1.	1.	1.
HE240A	0.100539	0.060046		1.	1.	1.	1.	1.	1.	1.
HE240B	0.103066	0.060835		1.	1.	1.	1.	1.	1.	1.
HE260A	0.109723	0.065006		1.	1.	1.	1.	1.	1.	1.
HE260B	0.112446	0.065967		1.	1.	1.	1.	1.	1.	1.
HE280A	0.11853	0.069965		1.	1.	1.	1.	1.	1.	1.

**Table 9: Frame Section Properties 01 - General, Part 3 of 4**

SectionName	R33	R22	EccV2	AMod	A2Mod	A3Mod	JMod	I2Mod	I3Mod	MMod
	m	m	m							
HE280B	0.121284	0.070953		1.	1.	1.	1.	1.	1.	1.
HE300A	0.127119	0.074727		1.	1.	1.	1.	1.	1.	1.
HE300B	0.129972	0.075809		1.	1.	1.	1.	1.	1.	1.
HE320A	0.135985	0.075054		1.	1.	1.	1.	1.	1.	1.
HE320B	0.138358	0.075753		1.	1.	1.	1.	1.	1.	1.
HE340A	0.14429	0.074773		1.	1.	1.	1.	1.	1.	1.
HE340B	0.146419	0.075277		1.	1.	1.	1.	1.	1.	1.
HE360A	0.152118	0.074266		1.	1.	1.	1.	1.	1.	1.
HE360B	0.154473	0.074848		1.	1.	1.	1.	1.	1.	1.
HE400A	0.168362	0.07339		1.	1.	1.	1.	1.	1.	1.
HE400B	0.170679	0.073923		1.	1.	1.	1.	1.	1.	1.
IPE120	0.049082	0.014486		1.	1.	1.	1.	1.	1.	1.
IPE160	0.065752	0.018434		1.	1.	1.	1.	1.	1.	1.
IPE180	0.074232	0.020557		1.	1.	1.	1.	1.	1.	1.
IPE200	0.082568	0.022321		1.	1.	1.	1.	1.	1.	1.
IPE220	0.091101	0.024774		1.	1.	1.	1.	1.	1.	1.
IPE240	0.09977	0.026951		1.	1.	1.	1.	1.	1.	1.
IPE270	0.112314	0.03025		1.	1.	1.	1.	1.	1.	1.
IPE300	0.124626	0.033506		1.	1.	1.	1.	1.	1.	1.
IPE330	0.13712	0.035479		1.	1.	1.	1.	1.	1.	1.
IPE360	0.149598	0.037877		1.	1.	1.	1.	1.	1.	1.
IPE400	0.165447	0.039494		1.	1.	1.	1.	1.	1.	1.
IPE450	0.184797	0.041187		1.	1.	1.	1.	1.	1.	1.
IPE500	0.203842	0.042972		1.	1.	1.	1.	1.	1.	1.
IPE550	0.223807	0.044621		1.	1.	1.	1.	1.	1.	1.
L70X5	0.021372	0.021372		1.	1.	1.	1.	1.	1.	1.
L80X6	0.024438	0.024438		1.	1.	1.	1.	1.	1.	1.
UPE200	0.081134	0.025414	-0.0144	1.	1.	1.	1.	1.	1.	1.
UPE220	0.088947	0.02696	0.111114	1.	1.	1.	1.	1.	1.	1.
VAR-330										
VAR-360										

**Table 9: Frame Section Properties 01 - General, Part 4 of 4**

**Table 9: Frame Section Properties 01 - General, Part 4 of 4**

SectionName	WMod
C330	1.
C360	1.
D16	1.
D20	1.
HE120A	1.
HE120B	1.
HE140A	1.
HE140B	1.
HE160A	1.
HE160B	1.
HE180A	1.
HE180B	1.
HE200A	1.
HE200B	1.
HE220A	1.

**Table 9: Frame Section Properties 01 - General, Part 4 of 4**

SectionName	WMod
HE220B	1.
HE240A	1.
HE240B	1.
HE260A	1.
HE260B	1.
HE280A	1.
HE280B	1.
HE300A	1.
HE300B	1.
HE320A	1.
HE320B	1.
HE340A	1.
HE340B	1.
HE360A	1.
HE360B	1.
HE400A	1.
HE400B	1.
IPE120	1.
IPE160	1.
IPE180	1.
IPE200	1.
IPE220	1.
IPE240	1.
IPE270	1.
IPE300	1.
IPE330	1.
IPE360	1.
IPE400	1.
IPE450	1.
IPE500	1.
IPE550	1.
L70X5	1.
L80X6	1.
UPE200	1.
UPE220	1.
VAR-330	
VAR-360	

**Table 10: Frame Section Properties 05 - Nonprismatic, Part 1 of 2**

Table 10: Frame Section Properties 05 - Nonprismatic, Part 1 of 2

SectionName	NumSegments	SegmentNum	StartSect	EndSect	LengthType	AbsLength
VAR-330	1	1	C330	IPE330	Variable	m
VAR-360	1	1	C360	IPE360	Variable	

**Table 10: Frame Section Properties 05 - Nonprismatic, Part 2 of 2**

Table 10: Frame Section Properties 05 - Nonprismatic, Part 2 of 2

SectionName	VarLength	EI33Var	EI22Var
VAR-330	1.	Parabolic	Linear
VAR-360	1.	Parabolic	Linear

**3.2. Areas**

**Table 11: Area Section Properties, Part 1 of 4**

Table 11: Area Section Properties, Part 1 of 4

Section	Material	MatAngle Degrees	AreaType	Type	DrillDOF	Thickness m	BendThick m	Arc Degrees
M650	HA-30	0.	Shell	Shell-Thick	Yes	0.65	0.65	

**Table 11: Area Section Properties, Part 2 of 4**

Table 11: Area Section Properties, Part 2 of 4

Section	InComp	CoordSys	Color	TotalWt KN	TotalMass KN-s2/m	F11Mod	F22Mod
M650			Red	11009.7	1122.68	1.	1.

**Table 11: Area Section Properties, Part 3 of 4**

Table 11: Area Section Properties, Part 3 of 4

Section	F12Mod	M11Mod	M22Mod	M12Mod	V13Mod	V23Mod	MMod	WMod
M650	1.	1.	1.	1.	1.	1.	1.	1.

**Table 11: Area Section Properties, Part 4 of 4**

Table 11: Area Section Properties, Part 4 of 4

Section	GUID	Notes
M650		Added 15/12/2020 10:50:29

**3.3. Solids**

**Table 12: Solid Property Definitions, Part 1 of 2**

Table 12: Solid Property Definitions, Part 1 of 2

SolidProp	Material	MatAngleA Degrees	MatAngleB Degrees	MatAngleC Degrees	InComp	Color
Solid1	HA-30	0.	0.	0.	Yes	Magenta

**Table 12: Solid Property Definitions, Part 2 of 2**

Table 12: Solid Property Definitions, Part 2 of 2

SolidProp	GUID	Notes	TotalWt	TotalMass
			KN	KN-s2/m
Solid1			0.	0.

## 4. Load patterns

This section provides loading information as applied to the model.

### 4.1. Definitions

**Table 13: Load Pattern Definitions**

Table 13: Load Pattern Definitions

LoadPat	DesignType	SelfWtMult	AutoLoad	NotBasePat	NotRatio	NotDir
DEAD	Dead	1.				
W0_1	Wind	0.	None			
W0_2	Wind	0.	None			
W180_1	Wind	0.	None			
W180_2	Wind	0.	None			
W90	Wind	0.	None			
W270	Wind	0.	None			
SNOW	Snow	0.				
L_G1	Roof Live	0.				
P_+x	Live	0.				
P_-x	Live	0.				
P_+y	Live	0.				
P_-y	Live	0.				
L_C	Live	0.				
Imp_x	Notional	0.		DEAD	0.002	Global X
Imp_y	Notional	0.		DEAD	0.002	Global Y
TIERRAS	Dead	0.				
SDEAD	Super Dead	0.				
TFCO_G1	Live	0.				
TFCO_G2	Live	0.				
RETRACCION	Other	0.				
T°	Temperature	0.				
L_E	Live	0.				

## 5. Load cases

This section provides load case information.

### 5.1. Definitions

**Table 14: Load Case Definitions**

Table 14: Load Case Definitions

Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesignType	CaseStatus
DEAD	LinStatic	Zero				Dead	Finished
MODAL	LinModal	Zero				Other	Finished
W0_1	LinStatic	Zero				Wind	Finished
W0_2	LinStatic	Zero				Wind	Finished
W180_1	LinStatic	Zero				Wind	Finished
W180_2	LinStatic	Zero				Wind	Finished
W90	LinStatic	Zero				Wind	Finished
W270	LinStatic	Zero				Wind	Finished
SNOW	LinStatic	Zero				Snow	Finished
L_G1	LinStatic	Zero				Roof Live	Finished
P_+x	LinStatic	Zero				Live	Finished
P_-x	LinStatic	Zero				Live	Finished
P_+y	LinStatic	Zero				Live	Finished
P_-y	LinStatic	Zero				Live	Finished
L_C	LinStatic	Zero				Live	Finished
Imp_x	LinStatic	Zero				Notional	Finished
Imp_y	LinStatic	Zero				Notional	Finished
TIERRAS	LinStatic	Zero				Dead	Finished
SDEAD	LinStatic	Zero				Super Dead	Finished
TFCO_G1	LinStatic	Zero				Live	Finished
TFCO_G2	LinStatic	Zero				Live	Finished
RETRACCIO N	LinStatic	Zero				Other	Finished
T°	LinStatic	Zero				Temperature	Finished
L_E	LinStatic	Zero				Live	Finished
CG	LinStatic	Zero				Other	Finished
CG_DEAD	LinStatic	Zero				Dead	Finished

## 5.2. Static case load assignments

**Table 15: Case - Static 1 - Load Assignments**

Table 15: Case - Static 1 - Load Assignments

Case	LoadType	LoadName	LoadSF
DEAD	Load pattern	DEAD	1.
DEAD	Load pattern	SDEAD	1.
W0_1	Load pattern	W0_1	1.
W0_2	Load pattern	W0_2	1.
W180_1	Load pattern	W180_1	1.
W180_2	Load pattern	W180_2	1.
W90	Load pattern	W90	1.
W270	Load pattern	W270	1.
SNOW	Load pattern	SNOW	1.
L_G1	Load pattern	L_G1	1.
P_+x	Load pattern	P_+x	1.
P_-x	Load pattern	P_-x	1.
P_+y	Load pattern	P_+y	1.
P_-y	Load pattern	P_-y	1.
L_C	Load pattern	L_C	1.

**Table 15: Case - Static 1 - Load Assignments**

Case	LoadType	LoadName	LoadSF
Imp_x	Load pattern	Imp_x	1.
Imp_y	Load pattern	Imp_y	1.
TIERRAS	Load pattern	TIERRAS	1.
SDEAD	Load pattern	SDEAD	1.
TFCO_G1	Load pattern	TFCO_G1	1.
TFCO_G2	Load pattern	TFCO_G2	1.
RETRACCION	Load pattern	RETRACCION	1.
T°	Load pattern	T°	1.
L_E	Load pattern	L_E	1.
CG	Load pattern	DEAD	1.
CG	Load pattern	L_C	1.
CG	Load pattern	L_E	1.
CG	Load pattern	P_-x	1.
CG	Load pattern	P_-y	1.
CG	Load pattern	P_+x	1.
CG	Load pattern	P_+y	1.
CG	Load pattern	SDEAD	1.
CG	Load pattern	SNOW	1.
CG	Load pattern	W0_1	1.
CG	Load pattern	W0_2	1.
CG	Load pattern	W180_1	1.
CG	Load pattern	W180_2	1.
CG	Load pattern	W270	1.
CG	Load pattern	W90	1.
CG_DEAD	Load pattern	DEAD	1.
CG_DEAD	Load pattern	SDEAD	1.

## 6. Load combinations

This section provides load combination information.

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.35D+1.5SN+1.05L C	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5SN+1.05L C		Linear Static	SNOW	1.5	
1.35D+1.5SN+1.05L C		Linear Static	L_C	1.05	
1.35D+1.5LC+0.75S N	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5LC+0.75S N		Linear Static	L_C	1.5	
1.35D+1.5LC+0.75S N		Linear Static	SNOW	0.75	
0.8D+1.5W0_1	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5W0_1		Linear Static	W0_1	1.5	
0.8D+1.5W0_2	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5W0_2		Linear Static	W0_2	1.5	
0.8D+1.5W180_1	Linear Add	Linear Static	DEAD	0.8	None

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
0.8D+1.5W180_1		Linear Static	W180_1	1.5	
0.8D+1.5W180_2	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5W180_2		Linear Static	W180_2	1.5	
0.8D+1.5W270	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5W270		Linear Static	W270	1.5	
0.8D+1.5W270		Linear Static	Imp_y	0.8	
0.8D+1.5W90	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5W90		Linear Static	W90	1.5	
0.8D+1.5P+x	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5P+x		Linear Static	P_+x	1.5	
0.8D+1.5P+x		Linear Static	Imp_x	0.8	
0.8D+1.5P-x	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5P-x		Linear Static	P_-x	1.5	
0.8D+1.5P-x		Linear Static	Imp_x	-0.8	
0.8D+1.5P+y	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5P+y		Linear Static	P_+y	1.5	
0.8D+1.5P+y		Linear Static	Imp_y	0.8	
0.8D+1.5P-y	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5P-y		Linear Static	P_-y	1.5	
0.8D+1.5P-y		Linear Static	Imp_y	-0.8	
0.8D+1.5W0_1+1.05 P+x	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5W0_1+1.05 P+x		Linear Static	W0_1	1.5	
0.8D+1.5W0_1+1.05 P+x		Linear Static	P_+x	1.05	
0.8D+1.5W0_1+1.05 P+x		Linear Static	Imp_x	0.8	
0.8D+1.5W0_2+1.05 P+x	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5W0_2+1.05 P+x		Linear Static	W0_2	1.5	
0.8D+1.5W0_2+1.05 P+x		Linear Static	P_+x	1.05	
0.8D+1.5W0_2+1.05 P+x		Linear Static	Imp_x	0.8	
0.8D+1.5W180_1+1.05 P-x	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5W180_1+1.05 P-x		Linear Static	W180_1	1.5	
0.8D+1.5W180_1+1.05 P-x		Linear Static	P_-x	1.05	
0.8D+1.5W180_2+1.05 P-x	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5W180_2+1.05 P-x		Linear Static	W180_2	1.5	
0.8D+1.5W180_2+1.05 P-x		Linear Static	P_-x	1.05	
0.8D+1.5W270+1.05 P+y	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5W270+1.05 P+y		Linear Static	W270	1.5	
0.8D+1.5W270+1.05 P+y		Linear Static	P_+y	1.05	
0.8D+1.5W270+1.05 P+y		Linear Static	Imp_y	0.8	
0.8D+1.5W90+1.05P -y	Linear Add	Linear Static	DEAD	0.8	None

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
0.8D+1.5W90+1.05P -y		Linear Static	W90	1.5	
0.8D+1.5W90+1.05P -y		Linear Static	P_-y	1.05	
0.8D+1.5P+x+0.9W0 _1	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5P+x+0.9W0 _1		Linear Static	P_+x	1.5	
0.8D+1.5P+x+0.9W0 _1		Linear Static	W0_1	0.9	
0.8D+1.5P+x+0.9W0 _1		Linear Static	Imp_x	0.8	
0.8D+1.5P+x+0.9W0 _2	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5P+x+0.9W0 _2		Linear Static	P_+x	1.5	
0.8D+1.5P+x+0.9W0 _2		Linear Static	W0_2	0.9	
0.8D+1.5P+x+0.9W0 _2		Linear Static	Imp_x	0.8	
0.8D+1.5P-x+0.9W1 80_1	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5P-x+0.9W1 80_1		Linear Static	P_-x	1.5	
0.8D+1.5P-x+0.9W1 80_1		Linear Static	W180_1	0.9	
0.8D+1.5P-x+0.9W1 80_2	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5P-x+0.9W1 80_2		Linear Static	P_-x	1.5	
0.8D+1.5P-x+0.9W1 80_2		Linear Static	W180_2	0.9	
0.8D+1.5P+y+0.9W2 70	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5P+y+0.9W2 70		Linear Static	P_+y	1.5	
0.8D+1.5P+y+0.9W2 70		Linear Static	W270	0.9	
0.8D+1.5P+y+0.9W2 70		Linear Static	Imp_y	0.8	
0.8D+1.5P-y+0.9W9 0	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.5P-y+0.9W9 0		Linear Static	P_-y	1.5	
0.8D+1.5P-y+0.9W9 0		Linear Static	W90	0.9	
1.35D+1.5W0_1+1.0 5P+x+0.75SN+1.05L C	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5W0_1+1.0 5P+x+0.75SN+1.05L C		Linear Static	W0_1	1.5	
1.35D+1.5W0_1+1.0 5P+x+0.75SN+1.05L C		Linear Static	P_+x	1.05	
1.35D+1.5W0_1+1.0 5P+x+0.75SN+1.05L C		Linear Static	SNOW	0.75	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.35D+1.5W0_1+1.0 5P+x+0.75SN+1.05L C		Linear Static	L_C	1.05	
1.35D+1.5W0_1+1.0 5P+x+0.75SN+1.05L C		Linear Static	Imp_x	1.35	
1.35D+1.5W0_2+1.0 5P+x+0.75SN+1.05L C	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5W0_2+1.0 5P+x+0.75SN+1.05L C		Linear Static	W0_2	1.5	
1.35D+1.5W0_2+1.0 5P+x+0.75SN+1.05L C		Linear Static	P_x	1.05	
1.35D+1.5W0_2+1.0 5P+x+0.75SN+1.05L C		Linear Static	SNOW	0.75	
1.35D+1.5W0_2+1.0 5P+x+0.75SN+1.05L C		Linear Static	L_C	1.05	
1.35D+1.5W0_2+1.0 5P+x+0.75SN+1.05L C		Linear Static	Imp_x	1.35	
1.35D+1.5W180_1+1 .05P-x+0.75SN+1.05 LC	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5W180_1+1 .05P-x+0.75SN+1.05 LC		Linear Static	W180_1	1.5	
1.35D+1.5W180_1+1 .05P-x+0.75SN+1.05 LC		Linear Static	P_x	1.05	
1.35D+1.5W180_1+1 .05P-x+0.75SN+1.05 LC		Linear Static	SNOW	0.75	
1.35D+1.5W180_1+1 .05P-x+0.75SN+1.05 LC		Linear Static	L_C	1.05	
1.35D+1.5W180_2+1 .05P-x+0.75SN+1.05 LC	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5W180_2+1 .05P-x+0.75SN+1.05 LC		Linear Static	W180_2	1.5	
1.35D+1.5W180_2+1 .05P-x+0.75SN+1.05 LC		Linear Static	P_x	1.05	
1.35D+1.5W180_2+1 .05P-x+0.75SN+1.05 LC		Linear Static	SNOW	0.75	
1.35D+1.5W180_2+1 .05P-x+0.75SN+1.05 LC		Linear Static	L_C	1.05	
1.35D+1.5W90+1.05 P-y+0.75SN+1.05LC	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5W90+1.05 P-y+0.75SN+1.05LC		Linear Static	W90	1.5	
1.35D+1.5W90+1.05 P-y+0.75SN+1.05LC		Linear Static	P_y	1.05	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.35D+1.5W90+1.05 P-y+0.75SN+1.05LC		Linear Static	SNOW	0.75	
1.35D+1.5W90+1.05 P-y+0.75SN+1.05LC		Linear Static	L_C	1.05	
1.35D+1.5W270+1.0 5P+y+0.75SN+1.05L C	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5W270+1.0 5P+y+0.75SN+1.05L C		Linear Static	W270	1.5	
1.35D+1.5W270+1.0 5P+y+0.75SN+1.05L C		Linear Static	P_+y	1.05	
1.35D+1.5W270+1.0 5P+y+0.75SN+1.05L C		Linear Static	SNOW	0.75	
1.35D+1.5W270+1.0 5P+y+0.75SN+1.05L C		Linear Static	L_C	1.05	
1.35D+1.5W270+1.0 5P+y+0.75SN+1.05L C		Linear Static	Imp_y	1.35	
1.35D+1.5SN+1.05L C+0.9W0_1+1.05P+ x	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5SN+1.05L C+0.9W0_1+1.05P+ x		Linear Static	SNOW	1.5	
1.35D+1.5SN+1.05L C+0.9W0_1+1.05P+ x		Linear Static	L_C	1.05	
1.35D+1.5SN+1.05L C+0.9W0_1+1.05P+ x		Linear Static	W0_1	0.9	
1.35D+1.5SN+1.05L C+0.9W0_1+1.05P+ x		Linear Static	P_+x	1.05	
1.35D+1.5SN+1.05L C+0.9W0_1+1.05P+ x		Linear Static	Imp_x	1.35	
1.35D+1.5SN+1.05L C+0.9W0_2+1.05P+ x	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5SN+1.05L C+0.9W0_2+1.05P+ x		Linear Static	SNOW	1.5	
1.35D+1.5SN+1.05L C+0.9W0_2+1.05P+ x		Linear Static	L_C	1.05	
1.35D+1.5SN+1.05L C+0.9W0_2+1.05P+ x		Linear Static	W0_2	0.9	
1.35D+1.5SN+1.05L C+0.9W0_2+1.05P+ x		Linear Static	P_+x	1.05	
1.35D+1.5SN+1.05L C+0.9W0_2+1.05P+ x		Linear Static	Imp_x	1.35	
1.35D+1.5SN+1.05L C+0.9W180_1+1.05 P-x	Linear Add	Linear Static	DEAD	1.35	None

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.35D+1.5SN+1.05L C+0.9W180_1+1.05 P-x		Linear Static	SNOW	1.5	
1.35D+1.5SN+1.05L C+0.9W180_1+1.05 P-x		Linear Static	L_C	1.05	
1.35D+1.5SN+1.05L C+0.9W180_1+1.05 P-x		Linear Static	W180_1	0.9	
1.35D+1.5SN+1.05L C+0.9W180_1+1.05 P-x		Linear Static	P_-x	1.05	
1.35D+1.5SN+1.05L C+0.9W180_1+1.05 P-x		Linear Static	Imp_x	-1.35	
1.35D+1.5SN+1.05L C+0.9W180_2+1.05 P-x	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5SN+1.05L C+0.9W180_2+1.05 P-x		Linear Static	SNOW	1.5	
1.35D+1.5SN+1.05L C+0.9W180_2+1.05 P-x		Linear Static	L_C	1.05	
1.35D+1.5SN+1.05L C+0.9W180_2+1.05 P-x		Linear Static	W180_2	0.9	
1.35D+1.5SN+1.05L C+0.9W180_2+1.05 P-x		Linear Static	P_-x	1.05	
1.35D+1.5SN+1.05L C+0.9W180_2+1.05 P-x		Linear Static	Imp_x	-1.35	
1.35D+1.5SN+1.05L C+0.9W270+1.05P+ y	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5SN+1.05L C+0.9W270+1.05P+ y		Linear Static	SNOW	1.5	
1.35D+1.5SN+1.05L C+0.9W270+1.05P+ y		Linear Static	L_C	1.05	
1.35D+1.5SN+1.05L C+0.9W270+1.05P+ y		Linear Static	W270	0.9	
1.35D+1.5SN+1.05L C+0.9W270+1.05P+ y		Linear Static	P_+y	1.05	
1.35D+1.5SN+1.05L C+0.9W270+1.05P+ y		Linear Static	Imp_y	1.35	
1.35D+1.5SN+1.05L C+0.9W90+1.05P-y	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5SN+1.05L C+0.9W90+1.05P-y		Linear Static	SNOW	1.5	
1.35D+1.5SN+1.05L C+0.9W90+1.05P-y		Linear Static	L_C	1.05	
1.35D+1.5SN+1.05L C+0.9W90+1.05P-y		Linear Static	W90	0.9	
1.35D+1.5SN+1.05L C+0.9W90+1.05P-y		Linear Static	P_-y	1.05	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.35D+1.5SN+1.05L C+0.9W90+1.05P-y		Linear Static	Imp_y	-1.35	
1.35D+1.5LC+0.75S N+0.9W0_1+1.05P+ x	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5LC+0.75S N+0.9W0_1+1.05P+ x		Linear Static	L_C	1.5	
1.35D+1.5LC+0.75S N+0.9W0_1+1.05P+ x		Linear Static	SNOW	0.75	
1.35D+1.5LC+0.75S N+0.9W0_1+1.05P+ x		Linear Static	W0_1	0.9	
1.35D+1.5LC+0.75S N+0.9W0_1+1.05P+ x		Linear Static	P_x	1.05	
1.35D+1.5LC+0.75S N+0.9W0_1+1.05P+ x		Linear Static	Imp_x	1.35	
1.35D+1.5LC+0.75S N+0.9W0_2+1.05P+ x	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5LC+0.75S N+0.9W0_2+1.05P+ x		Linear Static	L_C	1.5	
1.35D+1.5LC+0.75S N+0.9W0_2+1.05P+ x		Linear Static	SNOW	0.75	
1.35D+1.5LC+0.75S N+0.9W0_2+1.05P+ x		Linear Static	W0_2	0.9	
1.35D+1.5LC+0.75S N+0.9W0_2+1.05P+ x		Linear Static	P_x	1.05	
1.35D+1.5LC+0.75S N+0.9W0_2+1.05P+ x		Linear Static	Imp_x	1.35	
1.35D+1.5LC+0.75S N+0.9W180_1+1.05 P-x	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5LC+0.75S N+0.9W180_1+1.05 P-x		Linear Static	L_C	1.5	
1.35D+1.5LC+0.75S N+0.9W180_1+1.05 P-x		Linear Static	SNOW	0.75	
1.35D+1.5LC+0.75S N+0.9W180_1+1.05 P-x		Linear Static	W180_1	0.9	
1.35D+1.5LC+0.75S N+0.9W180_1+1.05 P-x		Linear Static	P_x	1.05	
1.35D+1.5LC+0.75S N+0.9W180_1+1.05 P-x		Linear Static	Imp_x	-1.35	
1.35D+1.5LC+0.75S N+0.9W180_2+1.05 P-x	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5LC+0.75S N+0.9W180_2+1.05 P-x		Linear Static	L_C	1.5	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.35D+1.5LC+0.75S N+0.9W180_2+1.05 P-x		Linear Static	SNOW	0.75	
1.35D+1.5LC+0.75S N+0.9W180_2+1.05 P-x		Linear Static	W180_2	0.9	
1.35D+1.5LC+0.75S N+0.9W180_2+1.05 P-x		Linear Static	P_x	1.05	
1.35D+1.5LC+0.75S N+0.9W180_2+1.05 P-x		Linear Static	Imp_x	-1.35	
1.35D+1.5LC+0.75S N+0.9W270+1.05P+ y	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5LC+0.75S N+0.9W270+1.05P+ y		Linear Static	L_C	1.5	
1.35D+1.5LC+0.75S N+0.9W270+1.05P+ y		Linear Static	SNOW	0.75	
1.35D+1.5LC+0.75S N+0.9W270+1.05P+ y		Linear Static	W270	0.9	
1.35D+1.5LC+0.75S N+0.9W270+1.05P+ y		Linear Static	P_y	1.05	
1.35D+1.5LC+0.75S N+0.9W270+1.05P+ y		Linear Static	Imp_y	1.35	
1.35D+1.5LC+0.75S N+0.9W90+1.05P-y	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5LC+0.75S N+0.9W90+1.05P-y		Linear Static	L_C	1.5	
1.35D+1.5LC+0.75S N+0.9W90+1.05P-y		Linear Static	SNOW	0.75	
1.35D+1.5LC+0.75S N+0.9W90+1.05P-y		Linear Static	W90	0.9	
1.35D+1.5LC+0.75S N+0.9W90+1.05P-y		Linear Static	P_y	1.05	
1.35D+1.5LC+0.75S N+0.9W90+1.05P-y		Linear Static	Imp_y	1.35	
1.35D+1.5P+x+0.9W 0_1+0.75SN+1.05LC	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5P+x+0.9W 0_1+0.75SN+1.05LC		Linear Static	P_x	1.5	
1.35D+1.5P+x+0.9W 0_1+0.75SN+1.05LC		Linear Static	W0_1	0.9	
1.35D+1.5P+x+0.9W 0_1+0.75SN+1.05LC		Linear Static	SNOW	0.75	
1.35D+1.5P+x+0.9W 0_1+0.75SN+1.05LC		Linear Static	L_C	1.05	
1.35D+1.5P+x+0.9W 0_1+0.75SN+1.05LC		Linear Static	Imp_x	1.35	
1.35D+1.5P+x+0.9W 180_1+0.75SN+1.05 LC	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5P-x+0.9W 180_1+0.75SN+1.05 LC		Linear Static	P_x	1.5	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.35D+1.5P-x+0.9W 180_1+0.75SN+1.05 LC		Linear Static	W180_1	0.9	
1.35D+1.5P-x+0.9W 180_1+0.75SN+1.05 LC		Linear Static	SNOW	0.75	
1.35D+1.5P-x+0.9W 180_1+0.75SN+1.05 LC		Linear Static	L_C	1.05	
1.35D+1.5P-x+0.9W 180_1+0.75SN+1.05 LC		Linear Static	Imp_x	-1.35	
1.35D+1.5P+y+0.9W 270_1+0.75SN+1.05 LC	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5P+y+0.9W 270_1+0.75SN+1.05 LC		Linear Static	P_+y	1.5	
1.35D+1.5P+y+0.9W 270_1+0.75SN+1.05 LC		Linear Static	W270	0.9	
1.35D+1.5P+y+0.9W 270_1+0.75SN+1.05 LC		Linear Static	SNOW	0.75	
1.35D+1.5P+y+0.9W 270_1+0.75SN+1.05 LC		Linear Static	L_C	1.05	
1.35D+1.5P+y+0.9W 270_1+0.75SN+1.05 LC		Linear Static	Imp_y	1.35	
1.35D+1.5P-y+0.9W 90+0.75SN+1.05LC	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5P-y+0.9W 90+0.75SN+1.05LC		Linear Static	P_-y	1.5	
1.35D+1.5P-y+0.9W 90+0.75SN+1.05LC		Linear Static	W90	0.9	
1.35D+1.5P-y+0.9W 90+0.75SN+1.05LC		Linear Static	SNOW	0.75	
1.35D+1.5P-y+0.9W 90+0.75SN+1.05LC		Linear Static	L_C	1.05	
1.35D+1.5P-y+0.9W 90+0.75SN+1.05LC		Linear Static	Imp_y	-1.35	
1.35D+1.5P+x+0.9W 0_2+0.75SN+1.05LC	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5P+x+0.9W 0_2+0.75SN+1.05LC		Linear Static	P_+x	1.5	
1.35D+1.5P+x+0.9W 0_2+0.75SN+1.05LC		Linear Static	W0_2	0.9	
1.35D+1.5P+x+0.9W 0_2+0.75SN+1.05LC		Linear Static	SNOW	0.75	
1.35D+1.5P+x+0.9W 0_2+0.75SN+1.05LC		Linear Static	L_C	1.05	
1.35D+1.5P+x+0.9W 0_2+0.75SN+1.05LC		Linear Static	Imp_x	1.35	
1.35D+1.5P-x+0.9W 180_2+0.75SN+1.05 LC	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5P-x+0.9W 180_2+0.75SN+1.05 LC		Linear Static	P_-x	1.5	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.35D+1.5P-x+0.9W 180_2+0.75SN+1.05 LC		Linear Static	W180_2	0.9	
1.35D+1.5P-x+0.9W 180_2+0.75SN+1.05 LC		Linear Static	SNOW	0.75	
1.35D+1.5P-x+0.9W 180_2+0.75SN+1.05 LC		Linear Static	L_C	1.05	
1.35D+1.5P-x+0.9W 180_2+0.75SN+1.05 LC		Linear Static	Imp_x	-1.35	
1.00D+1.00SN+0.75 LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00SN+0.75 LC		Linear Static	SNOW	1.	
1.00D+1.00SN+0.75 LC		Linear Static	L_C	0.75	
1.00D+1.00LC+0.50 SN	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00LC+0.50 SN		Linear Static	L_C	1.	
1.00D+1.00LC+0.50 SN		Linear Static	SNOW	0.5	
1.00D+1.00W0_1	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W0_1		Linear Static	W0_1	1.	
1.00D+1.00W0_2	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W0_2		Linear Static	W0_2	1.	
1.00D+1.00W180_1	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W180_1		Linear Static	W180_1	1.	
1.00D+1.00W180_2	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W180_2		Linear Static	W180_2	1.	
1.00D+1.00W270	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W270		Linear Static	W270	1.	
1.00D+1.00W270		Linear Static	Imp_y	1.	
1.00D+1.00W90	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W90		Linear Static	W90	1.	
1.00D+1.00P+x	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P+x		Linear Static	P_+x	1.	
1.00D+1.00P+x		Linear Static	Imp_x	1.	
1.00D+1.00P-x	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P-x		Linear Static	P_-x	1.	
1.00D+1.00P-x		Linear Static	Imp_x	-1.	
1.00D+1.00P+y	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P+y		Linear Static	P_+y	1.	
1.00D+1.00P+y		Linear Static	Imp_y	1.	
1.00D+1.00P-y	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P-y		Linear Static	P_-y	1.	
1.00D+1.00P-y		Linear Static	Imp_y	-1.	
1.00D+1.00W0_1+0. 75P+x	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W0_1+0. 75P+x		Linear Static	W0_1	1.	
1.00D+1.00W0_1+0. 75P+x		Linear Static	P_+x	0.75	
1.00D+1.00W0_1+0. 75P+x		Linear Static	Imp_x	1.	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.00D+1.00W0_2+0.75P+x	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W0_2+0.75P+x		Linear Static	W0_2	1.	
1.00D+1.00W0_2+0.75P+x		Linear Static	P_+x	0.75	
1.00D+1.00W0_2+0.75P+x		Linear Static	Imp_x	1.	
1.00D+1.00W180_1+0.75P-x	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W180_1+0.75P-x		Linear Static	W180_1	1.	
1.00D+1.00W180_1+0.75P-x		Linear Static	P_-x	0.75	
1.00D+1.00W180_2+0.75P-x	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W180_2+0.75P-x		Linear Static	W180_2	1.	
1.00D+1.00W180_2+0.75P-x		Linear Static	P_-x	0.75	
1.00D+1.00W270+0.75P+y	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W270+0.75P+y		Linear Static	W270	1.	
1.00D+1.00W270+0.75P+y		Linear Static	P_+y	0.75	
1.00D+1.00W270+0.75P+y		Linear Static	Imp_y	1.	
1.00D+1.00W90+0.75P-y	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W90+0.75P-y		Linear Static	W90	1.	
1.00D+1.00W90+0.75P-y		Linear Static	P_-y	0.75	
1.00D+1.00P+x+0.6W0_1	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P+x+0.6W0_1		Linear Static	P_+x	1.	
1.00D+1.00P+x+0.6W0_1		Linear Static	W0_1	0.6	
1.00D+1.00P+x+0.6W0_1		Linear Static	Imp_x	1.	
1.00D+1.00P+x+0.6W0_2	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P+x+0.6W0_2		Linear Static	P_+x	1.	
1.00D+1.00P+x+0.6W0_2		Linear Static	W0_2	0.6	
1.00D+1.00P+x+0.6W0_2		Linear Static	Imp_x	1.	
1.00D+1.00P-x+0.6W180_1	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P-x+0.6W180_1		Linear Static	P_-x	1.	
1.00D+1.00P-x+0.6W180_1		Linear Static	W180_1	0.6	
1.00D+1.00P-x+0.6W180_2	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P-x+0.6W180_2		Linear Static	P_-x	1.	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.00D+1.00P-x+0.6 W180_2		Linear Static	W180_2	0.6	
1.00D+1.00P+y+0.6 W270	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P+y+0.6 W270		Linear Static	P_y	1.	
1.00D+1.00P+y+0.6 W270		Linear Static	W270	0.6	
1.00D+1.00P+y+0.6 W270		Linear Static	Imp_y	1.	
1.00D+1.00P-y+0.6 W90	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P-y+0.6 W90		Linear Static	P_y	1.	
1.00D+1.00P-y+0.6 W90		Linear Static	W90	0.6	
1.00D+1.00W0_1+0.75P+x+0.50SN+0.75LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W0_1+0.75P+x+0.50SN+0.75LC		Linear Static	W0_1	1.	
1.00D+1.00W0_1+0.75P+x+0.50SN+0.75LC		Linear Static	P_x	0.75	
1.00D+1.00W0_1+0.75P+x+0.50SN+0.75LC		Linear Static	SNOW	0.5	
1.00D+1.00W0_1+0.75P+x+0.50SN+0.75LC		Linear Static	L_C	0.75	
1.00D+1.00W0_1+0.75P+x+0.50SN+0.75LC		Linear Static	Imp_x	1.	
1.00D+1.00W0_2+0.75P+x+0.50SN+0.75LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W0_2+0.75P+x+0.50SN+0.75LC		Linear Static	W0_2	1.	
1.00D+1.00W0_2+0.75P+x+0.50SN+0.75LC		Linear Static	P_x	0.75	
1.00D+1.00W0_2+0.75P+x+0.50SN+0.75LC		Linear Static	SNOW	0.5	
1.00D+1.00W0_2+0.75P+x+0.50SN+0.75LC		Linear Static	L_C	0.75	
1.00D+1.00W0_2+0.75P+x+0.50SN+0.75LC		Linear Static	Imp_x	1.	
1.00D+1.00W180_1+0.75P-x+0.50SN+0.75LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W180_1+0.75P-x+0.50SN+0.75LC		Linear Static	W180_1	1.	
1.00D+1.00W180_1+0.75P-x+0.50SN+0.75LC		Linear Static	P_x	0.75	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.00D+1.00W180_1+ 0.75P-x+0.50SN+0.7 5LC		Linear Static	SNOW	0.5	
1.00D+1.00W180_1+ 0.75P-x+0.50SN+0.7 5LC		Linear Static	L_C	0.75	
1.00D+1.00W180_2+ 0.75P-x+0.50SN+0.7 5LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W180_2+ 0.75P-x+0.50SN+0.7 5LC		Linear Static	W180_2	1.	
1.00D+1.00W180_2+ 0.75P-x+0.50SN+0.7 5LC		Linear Static	P_-x	0.75	
1.00D+1.00W180_2+ 0.75P-x+0.50SN+0.7 5LC		Linear Static	SNOW	0.5	
1.00D+1.00W180_2+ 0.75P-x+0.50SN+0.7 5LC		Linear Static	L_C	0.75	
1.00D+1.00W90+0.7 5P-y+0.50SN+0.75L C	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W90+0.7 5P-y+0.50SN+0.75L C		Linear Static	W90	1.	
1.00D+1.00W90+0.7 5P-y+0.50SN+0.75L C		Linear Static	P_-y	0.75	
1.00D+1.00W90+0.7 5P-y+0.50SN+0.75L C		Linear Static	SNOW	0.5	
1.00D+1.00W90+0.7 5P-y+0.50SN+0.75L C		Linear Static	L_C	0.75	
1.00D+1.00W270+0.7 75P+y+0.50SN+0.75 LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00W270+0.7 75P+y+0.50SN+0.75 LC		Linear Static	W270	1.	
1.00D+1.00W270+0.7 75P+y+0.50SN+0.75 LC		Linear Static	P_+y	0.75	
1.00D+1.00W270+0.7 75P+y+0.50SN+0.75 LC		Linear Static	SNOW	0.5	
1.00D+1.00W270+0.7 75P+y+0.50SN+0.75 LC		Linear Static	L_C	0.75	
1.00D+1.00W270+0.7 75P+y+0.50SN+0.75 LC		Linear Static	Imp_y	1.	
1.00D+1.00SN+0.75 LC+0.6W0_1+0.75P +x	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00SN+0.75 LC+0.6W0_1+0.75P +x		Linear Static	SNOW	1.	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.00D+1.00SN+0.75 LC+0.6W0_1+0.75P +x		Linear Static	L_C	0.75	
1.00D+1.00SN+0.75 LC+0.6W0_1+0.75P +x		Linear Static	W0_1	0.6	
1.00D+1.00SN+0.75 LC+0.6W0_1+0.75P +x		Linear Static	P_+x	0.75	
1.00D+1.00SN+0.75 LC+0.6W0_1+0.75P +x		Linear Static	Imp_x	1.	
1.00D+1.00SN+0.75 LC+0.6W0_2+0.75P +x	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00SN+0.75 LC+0.6W0_2+0.75P +x		Linear Static	SNOW	1.	
1.00D+1.00SN+0.75 LC+0.6W0_2+0.75P +x		Linear Static	L_C	0.75	
1.00D+1.00SN+0.75 LC+0.6W0_2+0.75P +x		Linear Static	W0_2	0.6	
1.00D+1.00SN+0.75 LC+0.6W0_2+0.75P +x		Linear Static	P_+x	0.75	
1.00D+1.00SN+0.75 LC+0.6W0_2+0.75P +x		Linear Static	Imp_x	1.	
1.00D+1.00SN+0.75 LC+0.6W180_1+0.75 P-x	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00SN+0.75 LC+0.6W180_1+0.75 P-x		Linear Static	SNOW	1.	
1.00D+1.00SN+0.75 LC+0.6W180_1+0.75 P-x		Linear Static	L_C	0.75	
1.00D+1.00SN+0.75 LC+0.6W180_1+0.75 P-x		Linear Static	W180_1	0.6	
1.00D+1.00SN+0.75 LC+0.6W180_1+0.75 P-x		Linear Static	P_-x	0.75	
1.00D+1.00SN+0.75 LC+0.6W180_1+0.75 P-x		Linear Static	Imp_x	-1.	
1.00D+1.00SN+0.75 LC+0.6W180_2+0.75 P-x	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00SN+0.75 LC+0.6W180_2+0.75 P-x		Linear Static	SNOW	1.	
1.00D+1.00SN+0.75 LC+0.6W180_2+0.75 P-x		Linear Static	L_C	0.75	
1.00D+1.00SN+0.75 LC+0.6W180_2+0.75 P-x		Linear Static	W180_2	0.6	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.00D+1.00SN+0.75 LC+0.6W180_2+0.75 P-x		Linear Static	P_-x	0.75	
1.00D+1.00SN+0.75 LC+0.6W180_2+0.75 P-x		Linear Static	Imp_x	-1.	
1.00D+1.00SN+0.75 LC+0.6W270+0.75P +y	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00SN+0.75 LC+0.6W270+0.75P +y		Linear Static	SNOW	1.	
1.00D+1.00SN+0.75 LC+0.6W270+0.75P +y		Linear Static	L_C	0.75	
1.00D+1.00SN+0.75 LC+0.6W270+0.75P +y		Linear Static	W270	0.6	
1.00D+1.00SN+0.75 LC+0.6W270+0.75P +y		Linear Static	P_+y	0.75	
1.00D+1.00SN+0.75 LC+0.6W270+0.75P +y		Linear Static	Imp_y	1.	
1.00D+1.00SN+0.75 LC+0.6W90+0.75P-y	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00SN+0.75 LC+0.6W90+0.75P-y		Linear Static	SNOW	1.	
1.00D+1.00SN+0.75 LC+0.6W90+0.75P-y		Linear Static	L_C	0.75	
1.00D+1.00SN+0.75 LC+0.6W90+0.75P-y		Linear Static	W90	0.6	
1.00D+1.00SN+0.75 LC+0.6W90+0.75P-y		Linear Static	P_-y	0.75	
1.00D+1.00SN+0.75 LC+0.6W90+0.75P-y		Linear Static	Imp_y	-1.	
1.00D+1.00LC+0.50 SN+0.6W0_1+0.75P +x	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00LC+0.50 SN+0.6W0_1+0.75P +x		Linear Static	L_C	1.	
1.00D+1.00LC+0.50 SN+0.6W0_1+0.75P +x		Linear Static	SNOW	0.5	
1.00D+1.00LC+0.50 SN+0.6W0_1+0.75P +x		Linear Static	W0_1	0.6	
1.00D+1.00LC+0.50 SN+0.6W0_1+0.75P +x		Linear Static	P_+x	0.75	
1.00D+1.00LC+0.50 SN+0.6W0_1+0.75P +x		Linear Static	Imp_x	1.	
1.00D+1.00LC+0.50 SN+0.6W0_2+0.75P +x	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00LC+0.50 SN+0.6W0_2+0.75P +x		Linear Static	L_C	1.	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.00D+1.00LC+0.50 SN+0.6W0_2+0.75P +x		Linear Static	SNOW	0.5	
1.00D+1.00LC+0.50 SN+0.6W0_2+0.75P +x		Linear Static	W0_2	0.6	
1.00D+1.00LC+0.50 SN+0.6W0_2+0.75P +x		Linear Static	P_+x	0.75	
1.00D+1.00LC+0.50 SN+0.6W0_2+0.75P +x		Linear Static	Imp_x	1.	
1.00D+1.00LC+0.50 SN+0.6W180_1+0.7 5P-x	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00LC+0.50 SN+0.6W180_1+0.7 5P-x		Linear Static	L_C	1.	
1.00D+1.00LC+0.50 SN+0.6W180_1+0.7 5P-x		Linear Static	SNOW	0.5	
1.00D+1.00LC+0.50 SN+0.6W180_1+0.7 5P-x		Linear Static	W180_1	0.6	
1.00D+1.00LC+0.50 SN+0.6W180_1+0.7 5P-x		Linear Static	P_-x	0.75	
1.00D+1.00LC+0.50 SN+0.6W180_1+0.7 5P-x		Linear Static	Imp_x	-1.	
1.00D+1.00LC+0.50 SN+0.6W180_2+0.7 5P-x	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00LC+0.50 SN+0.6W180_2+0.7 5P-x		Linear Static	L_C	1.	
1.00D+1.00LC+0.50 SN+0.6W180_2+0.7 5P-x		Linear Static	SNOW	0.5	
1.00D+1.00LC+0.50 SN+0.6W180_2+0.7 5P-x		Linear Static	W180_2	0.6	
1.00D+1.00LC+0.50 SN+0.6W180_2+0.7 5P-x		Linear Static	P_-x	0.75	
1.00D+1.00LC+0.50 SN+0.6W180_2+0.7 5P-x		Linear Static	Imp_x	-1.	
1.00D+1.00LC+0.50 SN+0.6W270+0.75P +y	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00LC+0.50 SN+0.6W270+0.75P +y		Linear Static	L_C	1.	
1.00D+1.00LC+0.50 SN+0.6W270+0.75P +y		Linear Static	SNOW	0.5	
1.00D+1.00LC+0.50 SN+0.6W270+0.75P +y		Linear Static	W270	0.6	

Table 16: Combination Definitions

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.00D+1.00LC+0.50 SN+0.6W270+0.75P +y		Linear Static	P_+y	0.75	
1.00D+1.00LC+0.50 SN+0.6W270+0.75P +y		Linear Static	Imp_y	1.	
1.00D+1.00LC+0.50 SN+0.6W90+0.75P-y	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00LC+0.50 SN+0.6W90+0.75P-y		Linear Static	L_C	1.	
1.00D+1.00LC+0.50 SN+0.6W90+0.75P-y		Linear Static	SNOW	0.5	
1.00D+1.00LC+0.50 SN+0.6W90+0.75P-y		Linear Static	W90	0.6	
1.00D+1.00LC+0.50 SN+0.6W90+0.75P-y		Linear Static	P_+y	0.75	
1.00D+1.00LC+0.50 SN+0.6W90+0.75P-y		Linear Static	Imp_y	1.	
1.00D+1.00P-x+0.6 W180_1+0.50SN+0. 75LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P-x+0.6 W180_1+0.50SN+0. 75LC		Linear Static	P_-x	1.	
1.00D+1.00P-x+0.6 W180_1+0.50SN+0. 75LC		Linear Static	W180_1	0.6	
1.00D+1.00P-x+0.6 W180_1+0.50SN+0. 75LC		Linear Static	SNOW	0.5	
1.00D+1.00P-x+0.6 W180_1+0.50SN+0. 75LC		Linear Static	L_C	0.75	
1.00D+1.00P-x+0.6 W180_1+0.50SN+0. 75LC		Linear Static	Imp_x	-1.	
1.00D+1.00P-x+0.6 W180_2+0.50SN+0. 75LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P-x+0.6 W180_2+0.50SN+0. 75LC		Linear Static	P_-x	1.	
1.00D+1.00P-x+0.6 W180_2+0.50SN+0. 75LC		Linear Static	W180_2	0.6	
1.00D+1.00P-x+0.6 W180_2+0.50SN+0. 75LC		Linear Static	SNOW	0.5	
1.00D+1.00P-x+0.6 W180_2+0.50SN+0. 75LC		Linear Static	L_C	0.75	
1.00D+1.00P-x+0.6 W180_2+0.50SN+0. 75LC		Linear Static	Imp_x	-1.	
1.00D+1.00P-y+0.6 W90+0.50SN+0.75L C	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P-y+0.6 W90+0.50SN+0.75L C		Linear Static	P_-y	1.	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.00D+1.00P-y+0.6 W90+0.50SN+0.75L C		Linear Static	W90	0.6	
1.00D+1.00P-y+0.6 W90+0.50SN+0.75L C		Linear Static	SNOW	0.5	
1.00D+1.00P-y+0.6 W90+0.50SN+0.75L C		Linear Static	L_C	0.75	
1.00D+1.00P-y+0.6 W90+0.50SN+0.75L C		Linear Static	Imp_y	-1.	
1.00D+1.00P+x+0.6 W0_1+0.50SN+0.75 LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P+x+0.6 W0_1+0.50SN+0.75 LC		Linear Static	P_+x	1.	
1.00D+1.00P+x+0.6 W0_1+0.50SN+0.75 LC		Linear Static	W0_1	0.6	
1.00D+1.00P+x+0.6 W0_1+0.50SN+0.75 LC		Linear Static	SNOW	0.5	
1.00D+1.00P+x+0.6 W0_1+0.50SN+0.75 LC		Linear Static	L_C	0.75	
1.00D+1.00P+x+0.6 W0_1+0.50SN+0.75 LC		Linear Static	Imp_x	1.	
1.00D+1.00P+x+0.6 W0_2+0.50SN+0.75 LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P+x+0.6 W0_2+0.50SN+0.75 LC		Linear Static	P_+x	1.	
1.00D+1.00P+x+0.6 W0_2+0.50SN+0.75 LC		Linear Static	W0_2	0.6	
1.00D+1.00P+x+0.6 W0_2+0.50SN+0.75 LC		Linear Static	SNOW	0.5	
1.00D+1.00P+x+0.6 W0_2+0.50SN+0.75 LC		Linear Static	L_C	0.75	
1.00D+1.00P+x+0.6 W0_2+0.50SN+0.75 LC		Linear Static	Imp_x	1.	
1.00D+1.00P+y+0.6 W270_1+0.50SN+0. 75LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00P+y+0.6 W270_1+0.50SN+0. 75LC		Linear Static	P_+y	1.	
1.00D+1.00P+y+0.6 W270_1+0.50SN+0. 75LC		Linear Static	W270	0.6	
1.00D+1.00P+y+0.6 W270_1+0.50SN+0. 75LC		Linear Static	SNOW	0.5	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.00D+1.00P+y+0.6 W270_1+0.50SN+0.75LC		Linear Static	L_C	0.75	
1.00D+1.00P+y+0.6 W270_1+0.50SN+0.75LC		Linear Static	Imp_y	1.	
1.35D+1.5L_G1	Linear Add	Linear Static	DEAD	1.35	None
1.35D+1.5L_G1		Linear Static	L_G1	1.5	
1.35D+1.5L_G1		Linear Static	DEAD	1.35	
1.35D+1.5L_G1		Linear Static	L_G1	1.5	
1.00D+1.00L_G1	Linear Add	Linear Static	DEAD	1.	None
1.00D+1.00L_G1		Linear Static	L_G1	1.	
1.00D+1.00L_G1		Linear Static	DEAD	1.	
1.00D+1.00L_G1		Linear Static	L_G1	1.	
Ed_Dom_ELU	Envelope	Response Combo	0.8D+1.5P-x	1.	None
Ed_Dom_ELU		Response Combo	0.8D+1.5P-x+0.9W180_1	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5P-x+0.9W180_2	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5P-y	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5P-y+0.9W90	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5P+x	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5P+x+0.9W0_1	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5P+x+0.9W0_2	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5P+y	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5P+y+0.9W270	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5W0_1	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5W0_1+1.05P+x	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5W0_2	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5W0_2+1.05P+x	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5W180_1	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5W180_1+1.05P-x	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5W180_2	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5W180_2+1.05P-x	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5W270	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5W270+1.05P+y	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5W90	1.	
Ed_Dom_ELU		Response Combo	0.8D+1.5W90+1.05P-y	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5LC+0.75SN	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5LC+0.75SN+0.9W0_1+1.05P+x	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5LC+0.75SN+0.9W0_2+1.05P+x	1.	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
Ed_Dom_ELU		Response Combo	1.35D+1.5LC+0.75S N+0.9W180_1+1.05 P-x	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5LC+0.75S N+0.9W180_2+1.05 P-x	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5LC+0.75S N+0.9W270+1.05P+ y	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5LC+0.75S N+0.9W90+1.05P-y	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5P-x+0.9W 180_1+0.75SN+1.05 LC	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5P-x+0.9W 180_2+0.75SN+1.05 LC	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5P-y+0.9W 90+0.75SN+1.05LC	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5P+x+0.9W 0_1+0.75SN+1.05LC	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5P+x+0.9W 0_2+0.75SN+1.05LC	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5P+y+0.9W 270_1+0.75SN+1.05 LC	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5SN+1.05L C	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5SN+1.05L C+0.9W0_1+1.05P+ x	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5SN+1.05L C+0.9W0_2+1.05P+ x	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5SN+1.05L C+0.9W180_1+1.05 P-x	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5SN+1.05L C+0.9W180_2+1.05 P-x	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5SN+1.05L C+0.9W270+1.05P+ y	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5SN+1.05L C+0.9W90+1.05P-y	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5W0_1+1.0 5P+x+0.75SN+1.05L C	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5W0_2+1.0 5P+x+0.75SN+1.05L C	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5W180_1+1 .05P-x+0.75SN+1.05 LC	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5W180_2+1 .05P-x+0.75SN+1.05 LC	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5W270+1.0 5P+y+0.75SN+1.05L C	1.	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
Ed_Dom_ELU		Response Combo	1.35D+1.5W90+1.05 P-y+0.75SN+1.05LC	1.	
Ed_Dom_ELU		Response Combo	1.35D+1.5L_G1	1.	
Ed_Dom_ELS	Envelope	Response Combo	1.00D+1.00SN+0.75 LC	1.	None
Ed_Dom_ELS		Response Combo	1.00D+1.00LC+0.50 SN	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W0_1	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W0_2	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W180_1	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W180_2	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W270	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W90	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P+x	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P-x	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P+y	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P-y	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W0_1+0. 75P+x	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W0_2+0. 75P+x	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W180_1+ 0.75P-x	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W180_2+ 0.75P-x	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W270+0. 75P+y	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W90+0.7 5P-y	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P+x+0.6 W0_1	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P+x+0.6 W0_2	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P-x+0.6 W180_1	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P-x+0.6 W180_2	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P+y+0.6 W270	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P-y+0.6 W90	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W0_1+0. 75P+x+0.50SN+0.75 LC	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W0_2+0. 75P+x+0.50SN+0.75 LC	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W180_1+ 0.75P-x+0.50SN+0.7 5LC	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W180_2+ 0.75P-x+0.50SN+0.7 5LC	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W90+0.7 5P-y+0.50SN+0.75L C	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00W270+0. 75P+y+0.50SN+0.75 LC	1.	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
Ed_Dom_ELS		Response Combo	1.00D+1.00SN+0.75 LC+0.6W0_1+0.75P +x	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00SN+0.75 LC+0.6W0_2+0.75P +x	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00SN+0.75 LC+0.6W180_1+0.75 P-x	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00SN+0.75 LC+0.6W180_2+0.75 P-x	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00SN+0.75 LC+0.6W270+0.75P +y	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00SN+0.75 LC+0.6W90+0.75P-y	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00LC+0.50 SN+0.6W0_1+0.75P +x	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00LC+0.50 SN+0.6W0_2+0.75P +x	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00LC+0.50 SN+0.6W180_1+0.7 5P-x	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00LC+0.50 SN+0.6W180_2+0.7 5P-x	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00LC+0.50 SN+0.6W270+0.75P +y	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00LC+0.50 SN+0.6W90+0.75P-y	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P-x+0.6 W180_1+0.50SN+0. 75LC	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P-x+0.6 W180_2+0.50SN+0. 75LC	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P-y+0.6 W90+0.50SN+0.75L C	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P+x+0.6 W0_1+0.50SN+0.75 LC	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P+x+0.6 W0_2+0.50SN+0.75 LC	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00P+y+0.6 W270_1+0.50SN+0. 75LC	1.	
Ed_Dom_ELS		Response Combo	1.00D+1.00L_G1	1.	
A_1.35D+1.5L_E	Linear Add	Linear Static	DEAD	1.35	Strength
A_1.35D+1.5L_E		Linear Static	L_E	1.5	
A_1.35D+1.5TFCO_1	Linear Add	Linear Static	DEAD	1.35	Strength
A_1.35D+1.5TFCO_1		Linear Static	TFCO_G1	1.5	
A_1.35D+1.5TFCO_2	Linear Add	Linear Static	DEAD	1.35	Strength

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
A_1.35D+1.5TFCO_2		Linear Static	TFCO_G2	1.5	
A_1.00D+1.00L_E	Linear Add	Linear Static	DEAD	1.	Deflection
A_1.00D+1.00L_E		Linear Static	L_E	1.	
A_1.00D+1.00TFCO_G1	Linear Add	Linear Static	DEAD	1.	Deflection
A_1.00D+1.00TFCO_G1		Linear Static	TFCO_G1	1.	
A_1.00D+1.00TFCO_G2	Linear Add	Linear Static	DEAD	1.	Deflection
A_1.00D+1.00TFCO_G2		Linear Static	TFCO_G2	1.	
ENV_A_ELU	Envelope	Response Combo	A_1.35D+1.5L_E	1.	None
ENV_A_ELU		Response Combo	A_1.35D+1.5TFCO_1	1.	
ENV_A_ELU		Response Combo	A_1.35D+1.5TFCO_2	1.	
ENV_A_ELS	Envelope	Response Combo	A_1.00D+1.00L_E	1.	None
ENV_A_ELS		Response Combo	A_1.00D+1.00TFCO_G1	1.	
ENV_A_ELS		Response Combo	A_1.00D+1.00TFCO_G2	1.	
ENV_TFCO	Envelope	Linear Static	TFCO_G1	1.	None
ENV_TFCO		Linear Static	TFCO_G2	1.	
EST_Dom+1.35R+1.35TI+1.05T°+1.5L_E+1.05TFCO	Linear Add	Response Combo	Ed_Dom_ELU	1.	None
EST_Dom+1.35R+1.35TI+1.05T°+1.5L_E+1.05TFCO		Linear Static	RETRACCION	1.35	
EST_Dom+1.35R+1.35TI+1.05T°+1.5L_E+1.05TFCO		Linear Static	TIERRAS	1.35	
EST_Dom+1.35R+1.35TI+1.05T°+1.5L_E+1.05TFCO		Linear Static	T°	1.05	
EST_Dom+1.35R+1.35TI+1.05T°+1.5L_E+1.05TFCO		Linear Static	L_E	1.5	
EST_Dom+1.35R+1.35TI+1.05T°+1.5L_E+1.05TFCO		Response Combo	ENV_TFCO	1.05	
EST_Dom+1.35TI+1.05T°+1.5L_E+1.05TFCO	Linear Add	Response Combo	Ed_Dom_ELU	1.	None
EST_Dom+1.35TI+1.05T°+1.5L_E+1.05TFCO		Linear Static	TIERRAS	1.35	
EST_Dom+1.35TI+1.05T°+1.5L_E+1.05TFCO		Linear Static	T°	1.05	
EST_Dom+1.35TI+1.05T°+1.5L_E+1.05TFCO		Linear Static	L_E	1.5	
EST_Dom+1.35TI+1.05T°+1.5L_E+1.05TFCO		Response Combo	ENV_TFCO	1.05	
EST_Dom+1.35R	Linear Add	Response Combo	Ed_Dom_ELU	1.	None
EST_Dom+1.35R		Linear Static	RETRACCION	1.35	
EST_Dom+0.7TI	Linear Add	Response Combo	Ed_Dom_ELU	1.	None

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
EST_Dom+0.7TI		Linear Static	TIERRAS	0.7	
EST_Dom+0.8R+1.3 5TI+1.05T°+1.5L_E+ 1.05TFCO	Linear Add	Response Combo	Ed_Dom_ELU	1.	None
EST_Dom+0.8R+1.3 5TI+1.05T°+1.5L_E+ 1.05TFCO		Linear Static	RETRACCION	0.8	
EST_Dom+0.8R+1.3 5TI+1.05T°+1.5L_E+ 1.05TFCO		Linear Static	TIERRAS	1.35	
EST_Dom+0.8R+1.3 5TI+1.05T°+1.5L_E+ 1.05TFCO		Linear Static	T°	1.05	
EST_Dom+0.8R+1.3 5TI+1.05T°+1.5L_E+ 1.05TFCO		Linear Static	L_E	1.5	
EST_Dom+0.8R+1.3 5TI+1.05T°+1.5L_E+ 1.05TFCO		Response Combo	ENV_TFCO	1.05	
0.8D+0.9W0_1	Linear Add	Linear Static	DEAD	0.8	None
0.8D+0.9W0_1		Linear Static	W0_1	1.5	
0.8D+0.9W0_2	Linear Add	Linear Static	DEAD	0.8	None
0.8D+0.9W0_2		Linear Static	W0_2	0.9	
0.8D+0.9W180_1	Linear Add	Linear Static	DEAD	0.8	None
0.8D+0.9W180_1		Linear Static	W180_1	0.9	
0.8D+0.9W180_2	Linear Add	Linear Static	DEAD	0.8	None
0.8D+0.9W180_2		Linear Static	W180_2	0.9	
0.8D+0.9W270	Linear Add	Linear Static	DEAD	0.8	None
0.8D+0.9W270		Linear Static	W270	0.9	
0.8D+0.9W270		Linear Static	Imp_y	0.8	
0.8D+0.9W90	Linear Add	Linear Static	DEAD	0.8	None
0.8D+0.9W90		Linear Static	W90	0.9	
0.8D+1.05P+x	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.05P+x		Linear Static	P_x	1.05	
0.8D+1.05P+x		Linear Static	Imp_x	0.8	
0.8D+1.05P-x	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.05P-x		Linear Static	P_x	1.05	
0.8D+1.05P-x		Linear Static	Imp_x	-0.8	
0.8D+1.05P+y	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.05P+y		Linear Static	P_y	1.05	
0.8D+1.05P+y		Linear Static	Imp_y	0.8	
0.8D+1.05P-y	Linear Add	Linear Static	DEAD	0.8	None
0.8D+1.05P-y		Linear Static	P_y	1.05	
0.8D+1.05P-y		Linear Static	Imp_y	-0.8	
0.8D+0.9W0_1+1.05 P+x	Linear Add	Linear Static	DEAD	0.8	None
0.8D+0.9W0_1+1.05 P+x		Linear Static	W0_1	0.9	
0.8D+0.9W0_1+1.05 P+x		Linear Static	P_x	1.05	
0.8D+0.9W0_1+1.05 P+x		Linear Static	Imp_x	0.8	
0.8D+0.9W0_2+1.05 P+x	Linear Add	Linear Static	DEAD	0.8	None
0.8D+0.9W0_2+1.05 P+x		Linear Static	W0_2	0.9	
0.8D+0.9W0_2+1.05 P+x		Linear Static	P_x	1.05	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
0.8D+0.9W0_2+1.05 P+x		Linear Static	Imp_x	0.8	
0.8D+0.9W180_1+1.05 P-x	Linear Add	Linear Static	DEAD	0.8	None
0.8D+0.9W180_1+1.05 P-x		Linear Static	W180_1	0.9	
0.8D+0.9W180_1+1.05 P-x		Linear Static	P_-x	1.05	
0.8D+0.9W180_2+1.05 P-x	Linear Add	Linear Static	DEAD	0.8	None
0.8D+0.9W180_2+1.05 P-x		Linear Static	W180_2	1.5	
0.8D+0.9W180_2+1.05 P-x		Linear Static	P_-x	1.05	
0.8D+0.9W270+1.05 P+y	Linear Add	Linear Static	DEAD	0.8	None
0.8D+0.9W270+1.05 P+y		Linear Static	W270	0.9	
0.8D+0.9W270+1.05 P+y		Linear Static	P_+y	1.05	
0.8D+0.9W270+1.05 P+y		Linear Static	Imp_y	0.8	
0.8D+0.9W90+1.05P -y	Linear Add	Linear Static	DEAD	0.8	None
0.8D+0.9W90+1.05P -y		Linear Static	W90	1.5	
0.8D+0.9W90+1.05P -y		Linear Static	P_-y	1.05	
1.35D+0.75SN+1.05 LC	Linear Add	Linear Static	DEAD	1.35	None
1.35D+0.75SN+1.05 LC		Linear Static	SNOW	0.75	
1.35D+0.75SN+1.05 LC		Linear Static	L_C	1.05	
1.35D+0.9W0_1+1.05 5P+x+0.75SN+1.05L C	Linear Add	Linear Static	DEAD	1.35	None
1.35D+0.9W0_1+1.05 5P+x+0.75SN+1.05L C		Linear Static	W0_1	0.9	
1.35D+0.9W0_1+1.05 5P+x+0.75SN+1.05L C		Linear Static	P_+x	1.05	
1.35D+0.9W0_1+1.05 5P+x+0.75SN+1.05L C		Linear Static	SNOW	0.75	
1.35D+0.9W0_1+1.05 5P+x+0.75SN+1.05L C		Linear Static	L_C	1.05	
1.35D+0.9W0_1+1.05 5P+x+0.75SN+1.05L C		Linear Static	Imp_x	1.35	
1.35D+0.9W0_2+1.05 5P+x+0.75SN+1.05L C	Linear Add	Linear Static	DEAD	1.35	None
1.35D+0.9W0_2+1.05 5P+x+0.75SN+1.05L C		Linear Static	W0_2	0.9	
1.35D+0.9W0_2+1.05 5P+x+0.75SN+1.05L C		Linear Static	P_+x	1.05	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.35D+0.9W0_2+1.0 5P+x+0.75SN+1.05L C		Linear Static	SNOW	0.75	
1.35D+0.9W0_2+1.0 5P+x+0.75SN+1.05L C		Linear Static	L_C	1.05	
1.35D+0.9W0_2+1.0 5P+x+0.75SN+1.05L C		Linear Static	Imp_x	1.35	
1.35D+0.9W180_1+1 .05P-x+0.75SN+1.05 LC	Linear Add	Linear Static	DEAD	1.35	None
1.35D+0.9W180_1+1 .05P-x+0.75SN+1.05 LC		Linear Static	W180_1	0.9	
1.35D+0.9W180_1+1 .05P-x+0.75SN+1.05 LC		Linear Static	P_-x	1.05	
1.35D+0.9W180_1+1 .05P-x+0.75SN+1.05 LC		Linear Static	SNOW	0.75	
1.35D+0.9W180_1+1 .05P-x+0.75SN+1.05 LC		Linear Static	L_C	1.05	
1.35D+0.9W180_2+1 .05P-x+0.75SN+1.05 LC	Linear Add	Linear Static	DEAD	1.35	None
1.35D+0.9W180_2+1 .05P-x+0.75SN+1.05 LC		Linear Static	W180_2	0.9	
1.35D+0.9W180_2+1 .05P-x+0.75SN+1.05 LC		Linear Static	P_-x	1.05	
1.35D+0.9W180_2+1 .05P-x+0.75SN+1.05 LC		Linear Static	SNOW	0.75	
1.35D+0.9W180_2+1 .05P-x+0.75SN+1.05 LC		Linear Static	L_C	1.05	
1.35D+0.9W90+1.05 P-y+0.75SN+1.05LC	Linear Add	Linear Static	DEAD	1.35	None
1.35D+0.9W90+1.05 P-y+0.75SN+1.05LC		Linear Static	W90	0.9	
1.35D+0.9W90+1.05 P-y+0.75SN+1.05LC		Linear Static	P_-y	1.05	
1.35D+0.9W90+1.05 P-y+0.75SN+1.05LC		Linear Static	SNOW	0.75	
1.35D+0.9W90+1.05 P-y+0.75SN+1.05LC		Linear Static	L_C	1.05	
1.35D+0.9W270+1.0 5P+y+0.75SN+1.05L C	Linear Add	Linear Static	DEAD	1.35	None
1.35D+0.9W270+1.0 5P+y+0.75SN+1.05L C		Linear Static	W270	0.9	
1.35D+0.9W270+1.0 5P+y+0.75SN+1.05L C		Linear Static	P_-y	1.05	
1.35D+0.9W270+1.0 5P+y+0.75SN+1.05L C		Linear Static	SNOW	0.75	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.35D+0.9W270+1.0 5P+y+0.75SN+1.05L C		Linear Static	L_C	1.05	
1.35D+0.9W270+1.0 5P+y+0.75SN+1.05L C		Linear Static	Imp_y	1.35	
Ed_NoDom_ELU	Envelope	Response Combo	0.8D+0.9W0_1	1.	None
Ed_NoDom_ELU		Response Combo	0.8D+0.9W0_2	1.	
Ed_NoDom_ELU		Response Combo	0.8D+0.9W180_1	1.	
Ed_NoDom_ELU		Response Combo	0.8D+0.9W180_2	1.	
Ed_NoDom_ELU		Response Combo	0.8D+0.9W270	1.	
Ed_NoDom_ELU		Response Combo	0.8D+0.9W90	1.	
Ed_NoDom_ELU		Response Combo	0.8D+1.05P+x	1.	
Ed_NoDom_ELU		Response Combo	0.8D+1.05P-x	1.	
Ed_NoDom_ELU		Response Combo	0.8D+1.05P+y	1.	
Ed_NoDom_ELU		Response Combo	0.8D+1.05P-y	1.	
Ed_NoDom_ELU		Response Combo	0.8D+0.9W0_1+1.05 P+x	1.	
Ed_NoDom_ELU		Response Combo	0.8D+0.9W0_2+1.05 P+x	1.	
Ed_NoDom_ELU		Response Combo	0.8D+0.9W180_1+1. 05P-x	1.	
Ed_NoDom_ELU		Response Combo	0.8D+0.9W180_2+1. 05P-x	1.	
Ed_NoDom_ELU		Response Combo	0.8D+0.9W270+1.05 P+y	1.	
Ed_NoDom_ELU		Response Combo	0.8D+0.9W90+1.05P -y	1.	
Ed_NoDom_ELU		Response Combo	1.35D+0.75SN+1.05 LC	1.	
Ed_NoDom_ELU		Response Combo	1.35D+0.9W0_1+1.0 5P+x+0.75SN+1.05L C	1.	
Ed_NoDom_ELU		Response Combo	1.35D+0.9W0_2+1.0 5P+x+0.75SN+1.05L C	1.	
Ed_NoDom_ELU		Response Combo	1.35D+0.9W180_1+1 .05P-x+0.75SN+1.05 LC	1.	
Ed_NoDom_ELU		Response Combo	1.35D+0.9W180_2+1 .05P-x+0.75SN+1.05 LC	1.	
Ed_NoDom_ELU		Response Combo	1.35D+0.9W90+1.05 P-y+0.75SN+1.05LC	1.	
Ed_NoDom_ELU		Response Combo	1.35D+0.9W270+1.0 5P+y+0.75SN+1.05L C	1.	
Ed_NoDom_ELU		Response Combo	1.35D+1.5L_G1	1.	
1.00D+0.5SN+0.75L C	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.5SN+0.75L C		Linear Static	SNOW	0.5	
1.00D+0.5SN+0.75L C		Linear Static	L_C	0.75	
1.00D+0.6W0_1	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.6W0_1		Linear Static	W0_1	0.6	
1.00D+0.6W0_2	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.6W0_2		Linear Static	W0_2	0.6	
1.00D+0.6W180_1	Linear Add	Linear Static	DEAD	1.	None

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.00D+0.6W180_1		Linear Static	W180_1	0.6	
1.00D+0.6W180_2	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.6W180_2		Linear Static	W180_2	0.6	
1.00D+0.6W270	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.6W270		Linear Static	W270	0.6	
1.00D+0.6W270		Linear Static	Imp_y	1.	
1.00D+0.6W90	Linear Add	Linear Static	DEAD	0.	None
1.00D+0.6W90		Linear Static	W90	1.	
1.00D+0.70P+x	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.70P+x		Linear Static	P_+x	0.7	
1.00D+0.70P+x		Linear Static	Imp_x	1.	
1.00D+0.70P-x	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.70P-x		Linear Static	P_-x	0.7	
1.00D+0.70P-x		Linear Static	Imp_x	-1.	
1.00D+0.70P+y	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.70P+y		Linear Static	P_+y	0.7	
1.00D+0.70P+y		Linear Static	Imp_y	1.	
1.00D+0.70P-y	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.70P-y		Linear Static	P_-y	0.7	
1.00D+0.70P-y		Linear Static	Imp_y	-1.	
1.00D+0.60W0_1+0.75P+x	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.60W0_1+0.75P+x		Linear Static	W0_1	0.6	
1.00D+0.60W0_1+0.75P+x		Linear Static	P_+x	0.75	
1.00D+0.60W0_1+0.75P+x		Linear Static	Imp_x	1.	
1.00D+0.60W0_2+0.75P+x	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.60W0_2+0.75P+x		Linear Static	W0_2	0.6	
1.00D+0.60W0_2+0.75P+x		Linear Static	P_+x	0.75	
1.00D+0.60W0_2+0.75P+x		Linear Static	Imp_x	1.	
1.00D+0.60W180_1+0.75P-x	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.60W180_1+0.75P-x		Linear Static	W180_1	0.6	
1.00D+0.60W180_1+0.75P-x		Linear Static	P_-x	0.75	
1.00D+0.60W180_2+0.75P-x	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.60W180_2+0.75P-x		Linear Static	W180_2	0.6	
1.00D+0.60W180_2+0.75P-x		Linear Static	P_-x	0.75	
1.00D+0.60W270+0.75P+y	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.60W270+0.75P+y		Linear Static	W270	0.6	
1.00D+0.60W270+0.75P+y		Linear Static	P_+y	0.75	
1.00D+0.60W270+0.75P+y		Linear Static	Imp_y	1.	
1.00D+0.60W90+0.75P-y	Linear Add	Linear Static	DEAD	1.	None

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.00D+0.60W90+0.7 5P-y		Linear Static	W90	0.6	
1.00D+0.60W90+0.7 5P-y		Linear Static	P_-y	0.75	
1.00D+0.60W0_1+0. 75P+x+0.50SN+0.75 LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.60W0_1+0. 75P+x+0.50SN+0.75 LC		Linear Static	W0_1	0.6	
1.00D+0.60W0_1+0. 75P+x+0.50SN+0.75 LC		Linear Static	P_+x	0.75	
1.00D+0.60W0_1+0. 75P+x+0.50SN+0.75 LC		Linear Static	SNOW	0.5	
1.00D+0.60W0_1+0. 75P+x+0.50SN+0.75 LC		Linear Static	L_C	0.75	
1.00D+0.60W0_1+0. 75P+x+0.50SN+0.75 LC		Linear Static	Imp_x	1.	
1.00D+0.60W0_2+0. 75P+x+0.50SN+0.75 LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.60W0_2+0. 75P+x+0.50SN+0.75 LC		Linear Static	W0_2	0.6	
1.00D+0.60W0_2+0. 75P+x+0.50SN+0.75 LC		Linear Static	P_+x	0.75	
1.00D+0.60W0_2+0. 75P+x+0.50SN+0.75 LC		Linear Static	SNOW	0.5	
1.00D+0.60W0_2+0. 75P+x+0.50SN+0.75 LC		Linear Static	L_C	0.75	
1.00D+0.60W0_2+0. 75P+x+0.50SN+0.75 LC		Linear Static	Imp_x	1.	
1.00D+0.60W180_1+ 0.75P-x+0.50SN+0.7 5LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.60W180_1+ 0.75P-x+0.50SN+0.7 5LC		Linear Static	W180_1	0.6	
1.00D+0.60W180_1+ 0.75P-x+0.50SN+0.7 5LC		Linear Static	P_-x	0.75	
1.00D+0.60W180_1+ 0.75P-x+0.50SN+0.7 5LC		Linear Static	SNOW	0.5	
1.00D+0.60W180_1+ 0.75P-x+0.50SN+0.7 5LC		Linear Static	L_C	0.75	
1.00D+0.60W180_2+ 0.75P-x+0.50SN+0.7 5LC	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.60W180_2+ 0.75P-x+0.50SN+0.7 5LC		Linear Static	W180_2	0.6	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
1.00D+0.60W180_2+ 0.75P-x+0.50SN+0.7 5LC		Linear Static	P_-x	0.75	
1.00D+0.60W180_2+ 0.75P-x+0.50SN+0.7 5LC		Linear Static	SNOW	0.5	
1.00D+0.60W180_2+ 0.75P-x+0.50SN+0.7 5LC		Linear Static	L_C	0.75	
1.00D+0.60W90+0.7 5P-y+0.50SN+0.75L C	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.60W90+0.7 5P-y+0.50SN+0.75L C		Linear Static	W90	0.6	
1.00D+0.60W90+0.7 5P-y+0.50SN+0.75L C		Linear Static	P_-y	0.75	
1.00D+0.60W90+0.7 5P-y+0.50SN+0.75L C		Linear Static	SNOW	0.5	
1.00D+0.60W90+0.7 5P-y+0.50SN+0.75L C		Linear Static	L_C	0.75	
1.00D+0.60W270+0.7 5P+y+0.50SN+0.75L C	Linear Add	Linear Static	DEAD	1.	None
1.00D+0.60W270+0.7 5P+y+0.50SN+0.75L C		Linear Static	W270	0.6	
1.00D+0.60W270+0.7 5P+y+0.50SN+0.75L C		Linear Static	P_+y	0.75	
1.00D+0.60W270+0.7 5P+y+0.50SN+0.75L C		Linear Static	SNOW	0.5	
1.00D+0.60W270+0.7 5P+y+0.50SN+0.75L C		Linear Static	L_C	0.75	
1.00D+0.60W270+0.7 5P+y+0.50SN+0.75L C		Linear Static	Imp_y	1.	
Ed_NoDom_ELS	Envelope	Response Combo	1.00D+0.6W0_1	1.	None
Ed_NoDom_ELS		Response Combo	1.00D+0.6W0_2	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.6W180_1	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.6W180_2	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.6W270	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.6W90	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.70P+x	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.70P-x	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.70P+y	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.70P-y	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.60W0_1+0.75P+x	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.60W0_2+0.75P+x	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.60W180_1+0.75P-x	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.60W180_2+0.75P-x	1.	

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
Ed_NoDom_ELS		Response Combo	1.00D+0.60W270+0.75P+y	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.60W90+0.75P-y	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.60W0_1+0.75P+x+0.50SN+0.75LC	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.60W0_2+0.75P+x+0.50SN+0.75LC	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.60W180_1+0.75P-x+0.50SN+0.75LC	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.60W180_2+0.75P-x+0.50SN+0.75LC	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.60W90+0.75P-y+0.50SN+0.75LC	1.	
Ed_NoDom_ELS		Response Combo	1.00D+0.60W270+0.75P+y+0.50SN+0.75LC	1.	
Ed_NoDom_ELS		Response Combo	1.00D+1.00L_G1	1.	
EST_NoDom+1.35R+1.35TI+1.5T°+1.5L_E+1.05TFCO	Linear Add	Response Combo	Ed_NoDom_ELU	1.	None
EST_NoDom+1.35R+1.35TI+1.5T°+1.5L_E+1.05TFCO		Linear Static	RETRACCION	1.35	
EST_NoDom+1.35R+1.35TI+1.5T°+1.5L_E+1.05TFCO		Linear Static	TIERRAS	1.35	
EST_NoDom+1.35R+1.35TI+1.5T°+1.5L_E+1.05TFCO		Linear Static	T°	1.5	
EST_NoDom+1.35R+1.35TI+1.5T°+1.5L_E+1.05TFCO		Linear Static	L_E	1.5	
EST_NoDom+1.35R+1.35TI+1.5T°+1.5L_E+1.05TFCO		Response Combo	ENV_TFCO	1.05	
EST_NoDom+1.35R+1.35TI+1.05T°+1.5L_E+1.5TFCO	Linear Add	Response Combo	Ed_NoDom_ELU	1.	None
EST_NoDom+1.35R+1.35TI+1.05T°+1.5L_E+1.5TFCO		Linear Static	RETRACCION	1.35	
EST_NoDom+1.35R+1.35TI+1.05T°+1.5L_E+1.5TFCO		Linear Static	TIERRAS	1.35	
EST_NoDom+1.35R+1.35TI+1.05T°+1.5L_E+1.5TFCO		Linear Static	T°	1.05	
EST_NoDom+1.35R+1.35TI+1.05T°+1.5L_E+1.5TFCO		Linear Static	L_E	1.5	
EST_NoDom+1.35R+1.35TI+1.05T°+1.5L_E+1.5TFCO		Response Combo	ENV_TFCO	1.5	
ENV_ELU	Envelope	Response Combo	EST_Dom+0.7TI	1.	None

**Table 16: Combination Definitions**

ComboName	ComboType	CaseType	CaseName	ScaleFactor	SteelDesign
ENV_ELU		Response Combo	EST_Dom+0.8R+1.35TI+1.05T <sup>o</sup> +1.5L_E+1.05TFCO	1.	
ENV_ELU		Response Combo	EST_Dom+1.35R	1.	
ENV_ELU		Response Combo	EST_Dom+1.35R+1.35TI+1.05T <sup>o</sup> +1.5L_E+1.05TFCO	1.	
ENV_ELU		Response Combo	EST_Dom+1.35TI+1.05T <sup>o</sup> +1.5L_E+1.05TFCO	1.	
ENV_ELU		Response Combo	EST_NoDom+1.35R+1.35TI+1.05T <sup>o</sup> +1.5L_E+1.5TFCO	1.	
ENV_ELU		Response Combo	EST_NoDom+1.35R+1.35TI+1.5T <sup>o</sup> +1.5L_E+1.05TFCO	1.	
ELS_Cuas_1	Linear Add	Linear Static	DEAD	1.	None
ELS_Cuas_1		Linear Static	RETRACCION	1.	
ELS_Cuas_1		Linear Static	TIERRAS	1.	
ELS_Cuas_1		Linear Static	L_C	0.6	
ELS_Cuas_1		Linear Static	L_E	0.7	
ELS_Cuas_1		Response Combo	ENV_TFCO	0.3	
A_1.35D+1.5L_E+1.5TFO1	Linear Add	Linear Static	DEAD	1.35	Strength
A_1.35D+1.5L_E+1.5TFO1		Linear Static	L_E	1.5	
A_1.35D+1.5L_E+1.5TFO1		Linear Static	TFCO_G1	1.5	
A_1.35D+1.5L_E+1.5TFO2	Linear Add	Linear Static	DEAD	1.35	Strength
A_1.35D+1.5L_E+1.5TFO2		Linear Static	L_E	1.5	
A_1.35D+1.5L_E+1.5TFO2		Linear Static	TFCO_G2	1.5	
A_1.00D+1L_E+1TF O1	Linear Add	Linear Static	DEAD	1.	Deflection
A_1.00D+1L_E+1TF O1		Linear Static	L_E	1.	
A_1.00D+1L_E+1TF O1		Linear Static	TFCO_G1	1.	
A_1.00D+1L_E+1TF O2	Linear Add	Linear Static	DEAD	1.	Deflection
A_1.00D+1L_E+1TF O2		Linear Static	L_E	1.	
A_1.00D+1L_E+1TF O2		Linear Static	TFCO_G2	1.	

# 7. Load Assignments

This section provides load assignments information.

**Table 17: Frame Loads - Distributed**

Table 17: Frame Loads - Distributed									
Frame	LoadPat	CoordSys	Type	Dir	AbsDistA	AbsDistB	FOverLA	FOverLB	
					m	m	KN/m	KN/m	
3	DEAD	GLOBAL	Force	Gravity	0.	4.15	6.8	6.8	
3	TFCO_G1	GLOBAL	Force	X	0.	4.15	-6.8	-6.8	
3	TFCO_G1	GLOBAL	Force	Gravity	0.	4.15	6.8	6.8	
3	TFCO_G1	GLOBAL	Force	Gravity	0.	4.15	0.	0.	
3	TFCO_G2	GLOBAL	Force	X	0.	4.15	6.8	6.8	
3	TFCO_G2	GLOBAL	Force	Gravity	0.	4.15	6.8	6.8	
3	TFCO_G2	GLOBAL	Force	Gravity	0.	4.15	0.	0.	
4	TFCO_G1	GLOBAL	Force	X	0.	4.15	-13.6	-13.6	
4	TFCO_G1	GLOBAL	Force	Gravity	0.	4.15	13.6	13.6	
4	TFCO_G1	GLOBAL	Force	Gravity	0.	4.15	0.	0.	
4	TFCO_G2	GLOBAL	Force	X	0.	4.15	13.6	13.6	
4	TFCO_G2	GLOBAL	Force	Gravity	0.	4.15	13.6	13.6	
4	TFCO_G2	GLOBAL	Force	Gravity	0.	4.15	0.	0.	
4	DEAD	GLOBAL	Force	Gravity	0.	4.15	6.13	6.13	
5	DEAD	GLOBAL	Force	Gravity	0.	4.15	6.8	6.8	
5	TFCO_G1	GLOBAL	Force	X	0.	4.15	-6.8	-6.8	
5	TFCO_G1	GLOBAL	Force	Gravity	0.	4.15	6.8	6.8	
5	TFCO_G1	GLOBAL	Force	Gravity	0.	4.15	0.	0.	
5	TFCO_G2	GLOBAL	Force	X	0.	4.15	6.8	6.8	
5	TFCO_G2	GLOBAL	Force	Gravity	0.	4.15	6.8	6.8	
5	TFCO_G2	GLOBAL	Force	Gravity	0.	4.15	0.	0.	
52	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5	
52	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4	
54	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5	
54	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4	
56	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5	
56	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4	
57	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5	
57	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4	
59	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5	
59	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4	
61	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5	
61	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4	
64	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5	
64	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4	
65	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5	
65	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4	
66	L_E	GLOBAL	Force	Gravity	0.36339	2.22663	2.5	2.5	
66	L_E	GLOBAL	Force	Gravity	0.	0.36339	2.5	2.5	
66	DEAD	GLOBAL	Force	Gravity	0.	2.22663	0.4	0.4	
67	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5	
67	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4	
68	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5	
68	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4	
69	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5	
69	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4	
70	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5	
70	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4	

Table 17: Frame Loads - Distributed

Frame	LoadPat	CoordSys	Type	Dir	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
71	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
71	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4
72	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
72	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4
73	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
73	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4
74	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
74	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4
75	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
75	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4
76	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
76	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4
77	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
77	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4
78	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
78	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4
79	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
79	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4
80	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
80	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4
81	L_E	GLOBAL	Force	Gravity	0.	1.8634	2.5	2.5
81	DEAD	GLOBAL	Force	Gravity	0.	1.8634	0.4	0.4
82	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
82	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4
83	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
83	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4
84	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
84	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4
88	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
88	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.4	0.4
89	L_E	GLOBAL	Force	Gravity	0.	4.46268	3.	3.
89	DEAD	GLOBAL	Force	Gravity	0.	4.46268	0.2	0.2
90	L_E	GLOBAL	Force	Gravity	0.	1.9256	2.5	2.5
90	DEAD	GLOBAL	Force	Gravity	0.	1.9256	0.4	0.4
91	L_E	GLOBAL	Force	Gravity	0.	1.9256	2.5	2.5
91	DEAD	GLOBAL	Force	Gravity	0.	1.9256	0.4	0.4
92	L_E	GLOBAL	Force	Gravity	0.	1.92556	2.5	2.5
92	DEAD	GLOBAL	Force	Gravity	0.	1.92556	0.4	0.4
93	L_E	GLOBAL	Force	Gravity	0.	1.92556	2.5	2.5
93	DEAD	GLOBAL	Force	Gravity	0.	1.92556	0.4	0.4
99	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
100	L_E	GLOBAL	Force	Gravity	0.	2.35111	2.5	2.5
100	DEAD	GLOBAL	Force	Gravity	0.	2.35111	0.4	0.4
101	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
102	DEAD	GLOBAL	Force	Gravity	0.	5.2239	0.4	0.4
102	L_E	GLOBAL	Force	Gravity	0.	5.2239	3.	3.
109	L_E	GLOBAL	Force	Gravity	0.	1.5	0.5	0.5
110	DEAD	GLOBAL	Force	Gravity	0.	1.5	0.2	0.2
110	L_E	GLOBAL	Force	Gravity	0.	1.5	2.5	2.5
111	DEAD	GLOBAL	Force	Gravity	0.	1.5	0.2	0.2
111	L_E	GLOBAL	Force	Gravity	0.	1.5	2.5	2.5
112	DEAD	GLOBAL	Force	Gravity	0.	1.5	0.2	0.2
112	L_E	GLOBAL	Force	Gravity	0.	1.5	2.5	2.5
113	DEAD	GLOBAL	Force	Gravity	0.	0.62667	0.4	0.4

Table 17: Frame Loads - Distributed

Frame	LoadPat	CoordSys	Type	Dir	AbsDistA	AbsDistB	FOverLA	FOverLB
					m	m	KN/m	KN/m
114	DEAD	GLOBAL	Force	Gravity	0.	4.88171	0.4	0.4
114	L_E	GLOBAL	Force	Gravity	0.	4.88171	3.	3.
116	DEAD	GLOBAL	Force	Gravity	0.	4.88171	0.4	0.4
116	L_E	GLOBAL	Force	Gravity	0.	4.88171	3.	3.
118	DEAD	GLOBAL	Force	Gravity	0.	1.2	0.45	0.45
118	L_E	GLOBAL	Force	Gravity	0.	1.2	2.5	2.5
119	DEAD	GLOBAL	Force	Gravity	0.	1.2	0.45	0.45
119	L_E	GLOBAL	Force	Gravity	0.	1.2	2.5	2.5
120	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
120	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
121	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
121	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
122	DEAD	GLOBAL	Force	Gravity	0.	0.96278	0.25	0.25
141	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
141	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
143	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
143	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
145	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
145	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
146	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
146	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
148	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
148	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
150	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
150	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
153	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
153	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
154	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
154	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
155	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
155	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
156	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
156	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
162	L_E	GLOBAL	Force	Gravity	0.	1.9256	2.5	2.5
162	DEAD	GLOBAL	Force	Gravity	0.	1.9256	0.2	0.2
163	L_E	GLOBAL	Force	Gravity	0.	1.9256	2.5	2.5
163	DEAD	GLOBAL	Force	Gravity	0.	1.9256	0.2	0.2
164	L_E	GLOBAL	Force	Gravity	0.	1.92556	2.5	2.5
164	DEAD	GLOBAL	Force	Gravity	0.	1.92556	0.2	0.2
165	L_E	GLOBAL	Force	Gravity	0.	1.92556	2.5	2.5
165	DEAD	GLOBAL	Force	Gravity	0.	1.92556	0.2	0.2
166	L_E	GLOBAL	Force	Gravity	0.	2.35111	2.5	2.5
166	DEAD	GLOBAL	Force	Gravity	0.	2.35111	0.2	0.2
188	DEAD	GLOBAL	Force	Gravity	0.36339	2.22663	0.15	0.15
188	DEAD	GLOBAL	Force	Gravity	0.	0.36339	0.15	0.15
188	L_E	GLOBAL	Force	Gravity	0.36339	2.22663	2.5	2.5
188	L_E	GLOBAL	Force	Gravity	0.	0.36339	2.5	2.5
189	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.15	0.15
189	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
190	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.15	0.15
190	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
191	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
191	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
192	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5

Table 17: Frame Loads - Distributed

Frame	LoadPat	CoordSys	Type	Dir	AbsDistA	AbsDistB	FOverLA	FOverLB
					m	m	KN/m	KN/m
192	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
193	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
193	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
194	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
194	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
195	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
195	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
196	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
196	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
197	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
197	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
198	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
198	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
199	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
199	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
200	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
200	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
201	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
201	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
202	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
202	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
203	L_E	GLOBAL	Force	Gravity	0.	1.8634	2.5	2.5
203	DEAD	GLOBAL	Force	Gravity	0.	1.8634	0.2	0.2
204	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
204	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
205	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
205	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
206	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
206	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
207	L_E	GLOBAL	Force	Gravity	0.	1.8633	2.5	2.5
207	DEAD	GLOBAL	Force	Gravity	0.	1.8633	0.2	0.2
210	L_E	GLOBAL	Force	Gravity	0.	1.38833	2.5	2.5
213	DEAD	GLOBAL	Force	Gravity	0.	4.46268	0.4	0.4
213	L_E	GLOBAL	Force	Gravity	0.	4.46268	3.	3.
214	DEAD	GLOBAL	Force	Gravity	0.	4.88171	0.4	0.4
214	L_E	GLOBAL	Force	Gravity	0.	4.88171	3.	3.
215	DEAD	GLOBAL	Force	Gravity	0.	4.88171	0.4	0.4
215	L_E	GLOBAL	Force	Gravity	0.	4.88171	3.	3.
216	DEAD	GLOBAL	Force	Gravity	0.	5.2239	0.4	0.4
216	L_E	GLOBAL	Force	Gravity	0.	5.2239	3.	3.
48	DEAD	GLOBAL	Force	Gravity	0.	1.71667	0.25	0.25
48	DEAD	GLOBAL	Force	Gravity	1.71667	3.43333	0.25	0.25
48	DEAD	GLOBAL	Force	Gravity	3.43333	5.15	0.25	0.25
86	TFCO_G1	GLOBAL	Force	X	0.	4.15	-13.6	-13.6
86	TFCO_G1	GLOBAL	Force	Gravity	0.	4.15	13.6	13.6
86	TFCO_G1	GLOBAL	Force	Gravity	0.	4.15	0.	0.
86	TFCO_G2	GLOBAL	Force	X	0.	4.15	13.6	13.6
86	TFCO_G2	GLOBAL	Force	Gravity	0.	4.15	13.6	13.6
86	TFCO_G2	GLOBAL	Force	Gravity	0.	4.15	0.	0.
86	DEAD	GLOBAL	Force	Gravity	0.	4.15	6.13	6.13
49	L_E	GLOBAL	Force	Gravity	0.	0.93157	2.5	2.5
49	DEAD	GLOBAL	Force	Gravity	0.	0.93157	0.2	0.2
50	L_E	GLOBAL	Force	Gravity	0.	0.93173	2.5	2.5
50	DEAD	GLOBAL	Force	Gravity	0.	0.93173	0.4	0.4

Table 17: Frame Loads - Distributed

Frame	LoadPat	CoordSys	Type	Dir	AbsDistA m	AbsDistB m	FOverLA KN/m	FOverLB KN/m
94	L_E	GLOBAL	Force	Gravity	0.	0.9313	2.5	2.5
94	DEAD	GLOBAL	Force	Gravity	0.	0.9313	0.2	0.2
95	L_E	GLOBAL	Force	Gravity	0.	0.932	2.5	2.5
95	DEAD	GLOBAL	Force	Gravity	0.	0.932	0.2	0.2
107	L_E	GLOBAL	Force	Gravity	0.	0.93167	2.5	2.5
107	DEAD	GLOBAL	Force	Gravity	0.	0.93167	0.2	0.2
108	L_E	GLOBAL	Force	Gravity	0.	0.93163	2.5	2.5
108	DEAD	GLOBAL	Force	Gravity	0.	0.93163	0.4	0.4
140	L_E	GLOBAL	Force	Gravity	0.	0.9314	2.5	2.5
140	DEAD	GLOBAL	Force	Gravity	0.	0.9314	0.2	0.2
142	L_E	GLOBAL	Force	Gravity	0.	0.9319	2.5	2.5
142	DEAD	GLOBAL	Force	Gravity	0.	0.9319	0.2	0.2
221	L_E	GLOBAL	Force	Gravity	0.	0.93177	2.5	2.5
221	DEAD	GLOBAL	Force	Gravity	0.	0.93177	0.2	0.2
222	L_E	GLOBAL	Force	Gravity	0.	0.93153	2.5	2.5
222	DEAD	GLOBAL	Force	Gravity	0.	0.93153	0.4	0.4
225	L_E	GLOBAL	Force	Gravity	0.	0.9315	2.5	2.5
225	DEAD	GLOBAL	Force	Gravity	0.	0.9315	0.2	0.2
226	L_E	GLOBAL	Force	Gravity	0.	0.9318	2.5	2.5
226	DEAD	GLOBAL	Force	Gravity	0.	0.9318	0.2	0.2
230	L_E	GLOBAL	Force	Gravity	0.	0.93187	2.5	2.5
230	DEAD	GLOBAL	Force	Gravity	0.	0.93187	0.2	0.2
231	L_E	GLOBAL	Force	Gravity	0.	0.93143	2.5	2.5
231	DEAD	GLOBAL	Force	Gravity	0.	0.93143	0.4	0.4
234	L_E	GLOBAL	Force	Gravity	0.	0.9316	2.5	2.5
234	DEAD	GLOBAL	Force	Gravity	0.	0.9316	0.2	0.2
235	L_E	GLOBAL	Force	Gravity	0.	0.9317	2.5	2.5
235	DEAD	GLOBAL	Force	Gravity	0.	0.9317	0.2	0.2
239	L_E	GLOBAL	Force	Gravity	0.	0.93197	2.5	2.5
239	DEAD	GLOBAL	Force	Gravity	0.	0.93197	0.2	0.2
240	L_E	GLOBAL	Force	Gravity	0.	0.93133	2.5	2.5
240	DEAD	GLOBAL	Force	Gravity	0.	0.93133	0.4	0.4
243	L_E	GLOBAL	Force	Gravity	0.	0.9317	2.5	2.5
243	DEAD	GLOBAL	Force	Gravity	0.	0.9317	0.2	0.2
244	L_E	GLOBAL	Force	Gravity	0.	0.9316	2.5	2.5
244	DEAD	GLOBAL	Force	Gravity	0.	0.9316	0.2	0.2
248	L_E	GLOBAL	Force	Gravity	0.	0.93197	2.5	2.5
248	DEAD	GLOBAL	Force	Gravity	0.	0.93197	0.2	0.2
249	L_E	GLOBAL	Force	Gravity	0.	0.93133	2.5	2.5
249	DEAD	GLOBAL	Force	Gravity	0.	0.93133	0.4	0.4
252	L_E	GLOBAL	Force	Gravity	0.	0.9317	2.5	2.5
252	DEAD	GLOBAL	Force	Gravity	0.	0.9317	0.2	0.2
253	L_E	GLOBAL	Force	Gravity	0.	0.9316	2.5	2.5
253	DEAD	GLOBAL	Force	Gravity	0.	0.9316	0.2	0.2
255	L_E	GLOBAL	Force	Gravity	0.	0.93197	2.5	2.5
255	DEAD	GLOBAL	Force	Gravity	0.	0.93197	0.4	0.4
256	L_E	GLOBAL	Force	Gravity	0.	0.93133	2.5	2.5
256	DEAD	GLOBAL	Force	Gravity	0.	0.93133	0.2	0.2
259	L_E	GLOBAL	Force	Gravity	0.	0.9317	2.5	2.5
259	DEAD	GLOBAL	Force	Gravity	0.	0.9317	0.2	0.2
260	L_E	GLOBAL	Force	Gravity	0.	0.9316	2.5	2.5
260	DEAD	GLOBAL	Force	Gravity	0.	0.9316	0.2	0.2
264	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
264	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.

**Table 17: Frame Loads - Distributed**

Frame	LoadPat	CoordSys	Type	Dir	AbsDistA	AbsDistB	FOverLA	FOverLB
					m	m	KN/m	KN/m
265	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
265	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
266	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
266	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
267	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
267	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
270	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
270	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
271	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
271	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
272	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
272	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
273	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
273	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
274	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
274	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
275	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
275	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
276	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
276	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
277	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
277	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
278	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
278	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
279	DEAD	GLOBAL	Force	Gravity	0.	4.84149	0.4	0.4
279	L_E	GLOBAL	Force	Gravity	0.	4.84149	3.	3.
281	DEAD	GLOBAL	Force	Gravity	0.	1.49997	0.4	0.4
281	L_E	GLOBAL	Force	Gravity	0.	1.49997	1.5	1.5
282	DEAD	GLOBAL	Force	Gravity	0.	1.38833	0.45	0.45
282	L_E	GLOBAL	Force	Gravity	0.	1.38833	2.5	2.5
289	DEAD	GLOBAL	Force	Gravity	0.	1.49997	0.15	0.15
289	L_E	GLOBAL	Force	Gravity	0.	1.49997	2.5	2.5

**Table 18: Frame Loads - Point, Part 1 of 2**

**Table 18: Frame Loads - Point, Part 1 of 2**

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDist
3	TFCO_G2	GLOBAL	Force	Gravity	RelDist	0.25
3	TFCO_G2	GLOBAL	Force	Gravity	RelDist	0.75
4	TFCO_G2	GLOBAL	Force	Gravity	RelDist	0.25
4	TFCO_G2	GLOBAL	Force	Gravity	RelDist	0.75
5	TFCO_G1	GLOBAL	Force	Gravity	RelDist	0.25
5	TFCO_G1	GLOBAL	Force	Gravity	RelDist	0.75
86	TFCO_G1	GLOBAL	Force	Gravity	RelDist	0.25
86	TFCO_G1	GLOBAL	Force	Gravity	RelDist	0.75

**Table 18: Frame Loads - Point, Part 2 of 2**

**Table 18: Frame Loads - Point, Part 2 of 2**

Frame	LoadPat	AbsDist m	Force KN	GUID
3	TFCO_G2	1.0375	100.	b88fb173-db8a-45d6-b24e-3ec44de38db6
3	TFCO_G2	3.1125	100.	09851549-c3e0-416b-8610-496bd5d21aff
4	TFCO_G2	1.0375	100.	bc995d1d-fde4-4b9b-b059-54f22c207413
4	TFCO_G2	3.1125	100.	54de9223-d7bb-412a-b36d-3e4482472929
5	TFCO_G1	1.0375	100.	3d4b3240-39b3-48a3-8bc3-08330afba2f7
5	TFCO_G1	3.1125	100.	953f5949-d423-406c-ac40-3f730ae91978
86	TFCO_G1	1.0375	100.	70bafd8e-8cc2-4aed-8daa-66a4a783f35c
86	TFCO_G1	3.1125	100.	82cb78d9-dc5a-40f2-9818-4b6078f95262

**Table 19: Joint Loads - Force**

**Table 19: Joint Loads - Force**

Joint	LoadPat	CoordSys	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
9	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
9	DEAD	GLOBAL	-9.236	-0.442	-41.7	-0.1107	-23.3346	1.685E-04
9	W0_1	GLOBAL	51.765	-2.102	40.85	0.1465	128.2931	-0.004
9	W0_2	GLOBAL	28.718	-2.359	-7.59	0.0277	67.2725	-0.0032
9	W180_1	GLOBAL	0.439	-2.592	26.325	-0.112	-2.7661	-0.0012
9	W180_2	GLOBAL	-22.307	-2.63	-12.52	-0.1771	-64.7111	-8.538E-04
9	W90	GLOBAL	-6.718	-5.	22.166	-0.7755	12.14	-0.0027
9	W270	GLOBAL	-1.776	7.211	60.868	1.1165	26.3328	0.0036
9	SNOW	GLOBAL	-12.493	-0.178	-23.619	-0.0693	-32.2097	4.669E-04
9	L_G1	GLOBAL	-9.994	-0.143	-18.895	-0.0554	-25.7678	3.735E-04
9	P_+x	GLOBAL	-2.096	-0.34	-30.932	-0.0624	-2.4885	-4.871E-05
9	P_-x	GLOBAL	-10.856	-1.099	-88.753	-0.2037	-21.6884	-1.281E-04
9	P_+y	GLOBAL	-4.941	0.246	-86.03	0.1003	-3.2539	0.1644
9	P_-y	GLOBAL	-3.76	-0.92	-32.447	-0.1904	-11.3413	-0.0579
9	L_C	GLOBAL	-0.019	-0.076	-0.248	-0.0117	0.0051	-1.852E-05
9	Imp_x	GLOBAL	0.078	4.641E-03	0.025	0.001	0.2941	-2.177E-06
9	Imp_y	GLOBAL	7.022E-03	0.1	0.209	0.0276	0.0228	0.0023
11	DEAD	GLOBAL	7.872	-0.7	-50.571	-0.1743	21.4131	-7.571E-05
11	W0_1	GLOBAL	-4.181	-5.224	44.743	-0.0139	7.3796	0.0022
11	W0_2	GLOBAL	13.442	-6.143	-16.963	-0.2867	55.6907	0.0014

Table 19: Joint Loads - Force

Joint	LoadPat	CoordSys	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m	M3 KN-m
11	W180_1	GLOBAL	-21.661	-3.571	46.689	0.185	-75.7271	8.839E-04
11	W180_2	GLOBAL	-6.455	-4.75	-10.757	-0.1223	-35.1301	4.023E-04
11	W90	GLOBAL	-13.206	-10.495	25.033	-1.6845	-35.5207	0.0013
11	W270	GLOBAL	-16.541	15.108	97.243	2.2658	-44.1327	-0.0015
11	SNOW	GLOBAL	10.307	-0.48	-37.785	-0.1496	28.8572	-4.484E-04
11	L_G1	GLOBAL	8.245	-0.384	-30.228	-0.1197	23.0858	-3.587E-04
11	P_+x	GLOBAL	10.843	-1.145	-88.963	-0.2132	21.889	7.800E-05
11	P_-x	GLOBAL	2.127	-0.393	-31.263	-0.0735	2.7855	2.098E-05
11	P_+y	GLOBAL	4.037	0.055	-29.965	0.0266	11.9638	-0.0576
11	P_-y	GLOBAL	4.651	-2.315	-91.181	-0.4816	2.529	0.164
11	L_C	GLOBAL	0.057	0.101	0.186	0.0074	0.2318	2.563E-04
11	Imp_x	GLOBAL	0.089	-3.451E-03	-3.916E-03	-7.668E-04	0.3228	-1.194E-06
11	Imp_y	GLOBAL	-2.660E-03	0.235	0.554	0.055	-0.0054	-0.0022
13	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
13	DEAD	GLOBAL	-8.803	0.581	-33.213	0.1228	-22.2143	-4.254E-04
13	W0_1	GLOBAL	53.481	-2.306	52.176	-0.9596	133.8108	-0.0116
13	W0_2	GLOBAL	30.784	-1.547	5.482	-0.7541	73.6345	-0.0125
13	W180_1	GLOBAL	0.269	-2.765	40.34	-0.8755	-2.9788	-0.0054
13	W180_2	GLOBAL	-21.254	-1.966	0.804	-0.6729	-61.4222	-0.0068
13	W90	GLOBAL	-5.552	-5.628	51.133	-1.1859	15.6869	-0.0049
13	W270	GLOBAL	-7.154	5.904	18.2	1.3176	11.0719	0.0135
13	SNOW	GLOBAL	-12.487	0.328	-23.996	0.0969	-32.191	-4.876E-04
13	L_G1	GLOBAL	-9.99	0.262	-19.197	0.0775	-25.7528	-3.901E-04
13	P_+x	GLOBAL	-2.093	0.46	-31.24	0.0845	-2.4768	3.359E-05
13	P_-x	GLOBAL	-10.855	1.185	-88.972	0.2195	-21.6777	1.210E-04
13	P_+y	GLOBAL	-4.925	2.515	-91.072	0.5303	-3.1695	0.1648
13	P_-y	GLOBAL	-3.728	-0.111	-30.465	-0.0425	-11.251	-0.0579
13	L_C	GLOBAL	0.019	-0.071	0.248	-0.0157	-0.0048	-2.555E-05
13	Imp_x	GLOBAL	0.068	4.576E-03	2.685E-03	6.879E-04	0.2804	5.129E-07
13	Imp_y	GLOBAL	-6.981E-03	0.096	-0.209	0.0222	-0.0227	0.0023
20	DEAD	GLOBAL	7.531	0.557	-49.204	0.1471	20.4246	4.586E-04
20	W0_1	GLOBAL	-5.009	-4.108	70.046	-1.4682	5.1973	0.0075
20	W0_2	GLOBAL	12.568	-3.743	9.767	-1.2943	53.349	0.0083
20	W180_1	GLOBAL	-21.518	-2.596	66.662	-1.0858	-75.1004	0.003
20	W180_2	GLOBAL	-7.58	-2.532	6.936	-0.9711	-37.9067	0.004
20	W90	GLOBAL	-13.985	-10.959	80.746	-2.1573	-37.5656	0.0025
20	W270	GLOBAL	-12.135	11.988	20.406	2.5003	-32.5477	-0.0085
20	SNOW	GLOBAL	10.309	0.318	-37.376	0.1211	28.8633	4.337E-04

Table 19: Joint Loads - Force

Joint	LoadPat	CoordSys	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m	M3 KN-m
20	L_G1	GLOBAL	8.247	0.254	-29.901	0.0969	23.0907	3.470E-04
20	P_+x	GLOBAL	10.846	1.139	-88.948	0.2121	21.9006	-8.937E-05
20	P_-x	GLOBAL	2.128	0.409	-31.306	0.0766	2.7912	-2.642E-05
20	P_+y	GLOBAL	4.076	0.838	-31.557	0.1803	12.1138	-0.0577
20	P_-y	GLOBAL	4.626	-0.012	-87.216	-0.0683	2.4441	0.1638
20	L_C	GLOBAL	-0.057	0.082	-0.186	0.0263	-0.2315	2.245E-04
20	Imp_x	GLOBAL	0.09	-3.804E-03	0.014	-5.805E-04	0.3237	-2.896E-08
20	Imp_y	GLOBAL	2.619E-03	0.239	-0.554	0.0509	0.0052	-0.0022
33	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
33	DEAD	GLOBAL	-9.074	-0.471	-41.08	-0.1167	-24.0453	4.030E-04
33	W0_1	GLOBAL	50.332	0.96	46.821	0.6918	120.1697	9.900E-05
33	W0_2	GLOBAL	27.425	0.698	2.001	0.5757	56.441	0.0012
33	W180_1	GLOBAL	2.161	-0.565	30.828	0.2615	10.0212	-3.200E-04
33	W180_2	GLOBAL	-18.676	-0.594	-5.86	0.1949	-47.1713	7.281E-04
33	W90	GLOBAL	-4.981	-4.817	23.059	-0.9336	21.1119	-0.0014
33	W270	GLOBAL	-3.614	5.871	51.03	1.0436	27.7528	-5.292E-04
33	SNOW	GLOBAL	-13.094	-0.19	-23.478	-0.0723	-36.4077	6.386E-04
33	L_G1	GLOBAL	-10.475	-0.152	-18.782	-0.0578	-29.1262	5.109E-04
33	P_+x	GLOBAL	-2.056	-0.347	-30.779	-0.0638	-2.8535	9.386E-06
33	P_-x	GLOBAL	-10.632	-1.142	-88.777	-0.2104	-20.6287	-1.228E-04
33	P_+y	GLOBAL	-5.784	0.183	-86.352	0.0935	-7.6766	0.163
33	P_-y	GLOBAL	-2.699	-0.925	-32.145	-0.1916	-6.0457	-0.0579
33	L_C	GLOBAL	0.079	-0.061	-0.144	-0.0153	0.6026	6.822E-05
33	Imp_x	GLOBAL	0.094	5.747E-03	0.039	0.0011	0.3576	1.421E-06
33	Imp_y	GLOBAL	4.739E-03	0.098	0.205	0.0279	0.0145	0.0023
48	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
48	DEAD	GLOBAL	-9.268	0.543	-33.321	0.1182	-24.4393	-1.912E-04
48	W0_1	GLOBAL	50.302	0.789	41.48	-0.3679	121.1546	1.582E-04
48	W0_2	GLOBAL	26.874	1.501	-5.24	-0.1675	56.3959	-4.473E-04
48	W180_1	GLOBAL	3.055	-0.73	35.877	-0.5035	11.1949	-5.721E-04
48	W180_2	GLOBAL	-18.235	0.042	-3.572	-0.2985	-46.5922	-0.0012
48	W90	GLOBAL	-4.706	-5.773	50.341	-1.0174	22.3195	4.549E-04
48	W270	GLOBAL	-3.67	4.922	23.184	0.9448	27.4216	0.0014
48	SNOW	GLOBAL	-13.398	0.314	-24.148	0.0959	-37.1445	-3.440E-04

Table 19: Joint Loads - Force

Joint	LoadPat	CoordSys	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m	M3 KN-m
48	L_G1	GLOBAL	-10.719	0.251	-19.318	0.0767	-29.7156	-2.752E-04
48	P_+x	GLOBAL	-2.159	0.45	-31.194	0.0831	-3.063	1.033E-04
48	P_-x	GLOBAL	-10.644	1.143	-88.789	0.2106	-20.6577	1.368E-04
48	P_+y	GLOBAL	-5.834	2.465	-91.26	0.5161	-7.6527	0.1648
48	P_-y	GLOBAL	-2.681	-0.124	-30.1	-0.0446	-6.0483	-0.0579
48	L_C	GLOBAL	2.917E-03	-0.066	-0.032	-0.0079	0.5846	7.826E-05
48	Imp_x	GLOBAL	0.078	5.406E-03	-1.295E-03	9.485E-04	0.3374	5.389E-06
48	Imp_y	GLOBAL	-6.476E-03	0.095	-0.205	0.0216	-0.0235	0.0023
50	DEAD	GLOBAL	-1.998	3.346	-172.81	0.0663	0.7985	7.585E-04
50	W0_1	GLOBAL	3.722	-0.653	73.335	0.7811	18.6158	-0.0018
50	W0_2	GLOBAL	11.708	-2.617	30.438	0.6383	41.6426	-0.0025
50	W180_1	GLOBAL	-20.491	9.801	22.621	1.2834	-62.8257	0.0029
50	W180_2	GLOBAL	-14.212	7.695	0.689	1.1327	-43.0569	0.0021
50	W90	GLOBAL	0.269	-12.609	82.669	-3.9125	0.33	-3.436E-05
50	W270	GLOBAL	1.94	10.07	30.063	3.4533	6.4747	-9.925E-04
50	SNOW	GLOBAL	5.486	-1.009	-36.208	-0.0578	14.7144	-4.021E-04
50	L_G1	GLOBAL	4.389	-0.807	-28.967	-0.0462	11.7715	-3.216E-04
50	P_+x	GLOBAL	7.942	-0.299	-89.824	-0.0087	15.2508	-2.448E-04
50	P_-x	GLOBAL	1.798	0.099	-31.795	0.0075	2.7756	-6.855E-07
50	P_+y	GLOBAL	2.932	-0.051	-30.631	0.1146	6.9698	-0.0104
50	P_-y	GLOBAL	4.479	-0.638	-89.345	-0.327	5.6728	0.0291
50	L_C	GLOBAL	-10.177	5.437	-86.761	0.1045	-17.2352	0.0011
50	Imp_x	GLOBAL	0.183	-0.077	0.173	-0.0032	0.5469	-2.545E-05
50	Imp_y	GLOBAL	-2.871E-03	0.305	-0.679	0.0962	-0.0109	-1.010E-04
63	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
63	DEAD	GLOBAL	-9.206	-0.638	-41.659	-0.1479	-24.1684	1.418E-04
63	W0_1	GLOBAL	54.597	3.914	56.674	1.2353	139.5233	0.0114
63	W0_2	GLOBAL	32.082	3.553	11.327	1.0941	79.0133	0.0121
63	W180_1	GLOBAL	-0.218	1.64	37.397	0.6997	-5.2195	0.0063
63	W180_2	GLOBAL	-20.004	1.526	0.335	0.6104	-55.9771	0.0069
63	W90	GLOBAL	-4.253	-5.864	18.881	-1.3179	26.4688	-0.0135
63	W270	GLOBAL	-2.774	5.744	52.01	1.2085	30.7151	0.0049
63	SNOW	GLOBAL	-13.134	-0.218	-23.78	-0.0797	-35.9141	4.579E-04
63	L_G1	GLOBAL	-10.507	-0.174	-19.024	-0.0638	-28.7313	3.663E-04
63	P_+x	GLOBAL	-1.86	-0.366	-30.848	-0.0686	-1.6392	-5.996E-05
63	P_-x	GLOBAL	-10.632	-1.183	-88.889	-0.2189	-20.604	-1.242E-04
63	P_+y	GLOBAL	-5.486	0.151	-86.406	0.0936	-6.023	0.1645

Table 19: Joint Loads - Force

Joint	LoadPat	CoordSys	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m	M3 KN-m
63	P_y	GLOBAL	-2.82	-0.937	-32.197	-0.1965	-6.677	-0.0579
63	L_C	GLOBAL	0.143	-0.12	-0.465	-0.0349	1.266	-6.363E-04
63	Imp_x	GLOBAL	0.117	5.268E-03	0.038	9.262E-04	0.4867	-4.001E-06
63	Imp_y	GLOBAL	7.064E-03	0.103	0.213	0.0287	0.0237	0.0023
65	DEAD	GLOBAL	-2.259	-3.233	-174.054	-0.0091	0.4025	4.226E-04
65	W0_1	GLOBAL	8.571	6.908	89.518	1.153	35.8869	-0.002
65	W0_2	GLOBAL	18.155	5.701	44.603	1.0416	64.4178	-0.0021
65	W180_1	GLOBAL	-27.388	6.782	36.06	1.379	-86.6251	5.009E-04
65	W180_2	GLOBAL	-18.577	5.776	12.701	1.2382	-58.0169	2.257E-04
65	W90	GLOBAL	3.103	-14.083	24.739	-3.4635	10.3497	7.267E-04
65	W270	GLOBAL	2.464	13.713	86.641	2.97	8.278	-9.857E-04
65	SNOW	GLOBAL	6.021	-0.795	-37.172	-0.0429	16.4465	-4.188E-05
65	L_G1	GLOBAL	4.817	-0.636	-29.738	-0.0343	13.1572	-3.351E-05
65	P_+x	GLOBAL	8.492	-1.535	-89.749	-0.0181	17.1276	-4.347E-05
65	P_-x	GLOBAL	1.822	-0.527	-31.733	-0.002	2.8558	1.197E-05
65	P_+y	GLOBAL	3.516	-0.037	-29.116	0.1299	9.0012	-0.0103
65	P_-y	GLOBAL	4.281	-2.819	-92.865	-0.387	4.9555	0.0291
65	L_C	GLOBAL	-10.782	-1.67	-90.389	0.0405	-17.9882	5.782E-04
65	Imp_x	GLOBAL	0.236	-3.716E-03	0.135	-0.0015	0.7256	-4.356E-06
65	Imp_y	GLOBAL	3.079E-04	0.322	0.715	0.0869	0.0033	-1.028E-04
78	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
78	DEAD	GLOBAL	-9.578	0.443	-41.665	0.1128	-25.1463	-2.727E-04
78	W0_1	GLOBAL	52.864	3.671	36.868	0.1633	134.3999	0.0039
78	W0_2	GLOBAL	30.034	4.302	-12.159	0.3598	73.1934	0.003
78	W180_1	GLOBAL	-1.307	1.541	27.51	-0.1102	-8.4249	0.0019
78	W180_2	GLOBAL	-21.092	2.21	-10.957	0.0814	-59.1675	0.001
78	W90	GLOBAL	0.881	-7.207	61.402	-1.1076	40.7638	-0.0034
78	W270	GLOBAL	-3.854	5.107	22.513	0.7936	27.4303	0.0028
78	SNOW	GLOBAL	-13.123	0.284	-23.933	0.0919	-35.8827	-5.132E-04
78	L_G1	GLOBAL	-10.499	0.227	-19.146	0.0735	-28.7062	-4.106E-04
78	P_+x	GLOBAL	-1.859	0.428	-31.009	0.0801	-1.6322	5.186E-05
78	P_-x	GLOBAL	-10.633	1.1	-88.679	0.2037	-20.6113	1.390E-04
78	P_+y	GLOBAL	-5.472	2.442	-91.014	0.5059	-5.9463	0.1648
78	P_-y	GLOBAL	-2.806	-0.14	-30.129	-0.0449	-6.6323	-0.0579
78	L_C	GLOBAL	0.22	-0.14	0.33	-0.0135	1.4957	-1.467E-04

Table 19: Joint Loads - Force

Joint	LoadPat	CoordSys	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m	M3 KN-m
78	Imp_x	GLOBAL	0.117	4.567E-03	0.013	8.926E-04	0.488	1.897E-06
78	Imp_y	GLOBAL	-7.126E-03	0.104	-0.213	0.0278	-0.024	0.0023
80	DEAD	GLOBAL	-2.061	2.883	-173.74	-0.0754	0.9781	5.345E-04
80	W0_1	GLOBAL	9.74	2.916	69.344	1.147	39.5598	-0.0013
80	W0_2	GLOBAL	19.32	3.282	26.514	1.0737	68.1504	-6.743E-04
80	W180_1	GLOBAL	-26.866	4.749	18.871	1.4536	-85.0291	-0.0022
80	W180_2	GLOBAL	-18.02	4.57	-3.69	1.3286	-56.3044	-0.0014
80	W90	GLOBAL	1.024	-15.315	96.185	-3.5729	3.9311	9.156E-04
80	W270	GLOBAL	2.842	11.34	26.151	2.9712	9.3199	-0.001
80	SNOW	GLOBAL	5.982	0.523	-36.571	-0.0134	16.3539	3.383E-04
80	L_G1	GLOBAL	4.785	0.418	-29.257	-0.0107	13.0831	2.707E-04
80	P_+x	GLOBAL	8.504	1.491	-89.749	0.01	17.1573	-5.146E-05
80	P_-x	GLOBAL	1.822	0.545	-31.757	0.0081	2.8535	-1.131E-05
80	P_+y	GLOBAL	3.565	0.956	-30.629	0.1433	9.1597	-0.0103
80	P_-y	GLOBAL	4.277	0.282	-89.116	-0.3709	4.9569	0.0291
80	L_C	GLOBAL	-10.823	1.286	-89.626	-0.1607	-18.1054	4.772E-04
80	Imp_x	GLOBAL	0.238	-8.928E-03	0.154	-0.0016	0.7298	-3.913E-06
80	Imp_y	GLOBAL	-3.499E-04	0.319	-0.712	0.0877	-0.0034	-1.051E-04
93	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
93	DEAD	GLOBAL	-0.739	3.095E-04	-23.327	0.002	-1.5471	-4.288E-04
93	W0_1	GLOBAL	17.024	-18.242	11.143	-27.2038	42.5648	-0.0139
93	W0_2	GLOBAL	15.296	-18.239	0.672	-27.1775	37.1089	-0.0147
93	W180_1	GLOBAL	-6.943	-18.431	5.514	-27.5045	-20.0975	-0.0074
93	W180_2	GLOBAL	-8.834	-18.425	-0.631	-27.4605	-27.8813	-0.0087
93	W90	GLOBAL	-6.231	-5.921	7.201	-9.2554	-6.1423	-0.0059
93	W270	GLOBAL	-14.225	12.7	14.255	19.4127	-15.0574	0.015
93	SNOW	GLOBAL	-0.672	1.389E-03	-3.981	0.0099	-1.564	-4.396E-04
93	L_G1	GLOBAL	-0.538	1.111E-03	-3.185	0.0079	-1.2512	-3.517E-04
93	P_+x	GLOBAL	-2.147	1.042E-03	-31.164	0.0079	-2.6245	-3.359E-06
93	P_-x	GLOBAL	-10.968	1.052E-03	-88.884	0.0079	-21.459	-1.013E-05
93	P_+y	GLOBAL	-5.41	0.566	-89.033	1.3631	-3.3485	0.1748
93	P_-y	GLOBAL	-3.858	-0.199	-31.953	-0.481	-12.4028	-0.0618
93	L_C	GLOBAL	6.933E-12	-1.264E-03	6.999E-11	-0.0093	-4.916E-11	-4.048E-05
93	Imp_x	GLOBAL	0.06	6.955E-05	0.013	5.111E-04	0.2476	-1.094E-06
93	Imp_y	GLOBAL	-1.451E-11	0.026	-1.465E-10	0.0483	1.029E-10	0.0016
95	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
95	DEAD	GLOBAL	-0.137	-7.074E-04	-27.57	-0.0053	-0.3758	3.342E-04

Table 19: Joint Loads - Force

Joint	LoadPat	CoordSys	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m	M3 KN-m
95	W0_1	GLOBAL	5.692	-31.245	14.823	-46.6762	26.6147	0.0096
95	W0_2	GLOBAL	4.37	-31.249	0.128	-46.7032	22.5331	0.0099
95	W180_1	GLOBAL	-1.885	-31.22	16.794	-46.478	-13.4625	0.0068
95	W180_2	GLOBAL	-4.271	-31.227	0.906	-46.531	-21.9686	0.0071
95	W90	GLOBAL	1.082	-13.722	14.82	-21.2845	3.9025	0.004
95	W270	GLOBAL	2.017	29.628	28.803	45.091	7.3342	-0.0097
95	SNOW	GLOBAL	-0.498	-8.961E-04	-9.864	-0.0067	-0.9771	1.355E-04
95	L_G1	GLOBAL	-0.398	-7.168E-04	-7.891	-0.0054	-0.7817	1.084E-04
95	P_+x	GLOBAL	10.953	3.527E-04	-89.05	0.0027	21.8079	-2.070E-05
95	P_-x	GLOBAL	2.203	2.657E-04	-31.3	0.002	3.1309	-7.785E-06
95	P_+y	GLOBAL	4.285	0.199	-31.37	0.4778	13.4819	-0.0592
95	P_-y	GLOBAL	5.014	-0.562	-89.69	-1.3371	2.5748	0.1674
95	L_C	GLOBAL	-4.534E-09	1.733E-03	-1.534E-08	0.0127	-1.064E-08	3.892E-04
95	Imp_x	GLOBAL	0.07	-5.446E-05	2.747E-03	-4.001E-04	0.2699	-5.127E-07
95	Imp_y	GLOBAL	9.491E-09	0.028	3.212E-08	0.0637	2.228E-08	-0.0012
107	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
107	DEAD	GLOBAL	-0.698	-1.978E-03	-23.342	-0.0144	-1.2612	6.595E-05
107	W0_1	GLOBAL	15.898	18.266	10.631	27.386	36.1229	0.0137
107	W0_2	GLOBAL	14.633	18.268	0.356	27.4029	33.3327	0.0143
107	W180_1	GLOBAL	-7.296	18.415	5.435	27.385	-22.2324	0.0078
107	W180_2	GLOBAL	-8.189	18.418	-0.308	27.4137	-24.2301	0.0085
107	W90	GLOBAL	-12.289	-12.7	15.215	-19.4116	-4.0852	-0.0148
107	W270	GLOBAL	-3.54	5.922	7.128	9.2684	-0.7323	0.0058
107	SNOW	GLOBAL	-0.75	2.526E-04	-4.034	0.0021	-1.9826	4.108E-04
107	L_G1	GLOBAL	-0.6	2.020E-04	-3.227	0.0017	-1.5861	3.286E-04
107	P_+x	GLOBAL	-2.	3.259E-04	-31.079	0.0025	-1.8082	-4.480E-06
107	P_-x	GLOBAL	-10.808	-1.025E-03	-88.806	-0.0077	-20.5499	1.394E-05
107	P_+y	GLOBAL	-6.066	0.564	-89.344	1.3475	-7.0866	0.1747
107	P_-y	GLOBAL	-2.901	-0.2	-31.495	-0.4852	-6.9581	-0.0615
107	L_C	GLOBAL	0.15	-2.376E-03	0.046	-0.0177	0.8964	-8.040E-04
107	Imp_x	GLOBAL	0.103	9.746E-05	0.033	6.105E-04	0.4889	-2.624E-06
107	Imp_y	GLOBAL	5.953E-05	0.026	2.631E-05	0.0485	3.395E-04	0.0016
109	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
109	DEAD	GLOBAL	-2.901	1.084	-131.097	1.8613	-4.6228	5.315E-04
109	W0_1	GLOBAL	6.299	18.996	26.014	18.4073	22.6027	-0.0022
109	W0_2	GLOBAL	7.045	18.983	20.269	18.3428	24.9237	-0.0015
109	W180_1	GLOBAL	-10.9	19.13	13.042	18.7179	-33.9294	-0.0033
109	W180_2	GLOBAL	-10.175	19.099	4.867	18.6024	-31.726	-0.0025
109	W90	GLOBAL	6.462	-18.659	46.014	-19.7025	22.5814	0.0017
109	W270	GLOBAL	1.927	8.955	14.687	10.2956	6.565	-0.0015

Table 19: Joint Loads - Force

Joint	LoadPat	CoordSys	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m	M3 KN-m
109	SNOW	GLOBAL	0.736	1.565E-03	-9.396	-0.0095	1.6301	3.732E-04
109	L_G1	GLOBAL	0.589	1.252E-03	-7.517	-0.0076	1.3041	2.986E-04
109	P_+x	GLOBAL	8.558	4.197E-03	-89.843	0.0094	17.265	-4.353E-05
109	P_-x	GLOBAL	1.904	3.131E-03	-31.641	0.0078	3.1664	-1.229E-05
109	P_+y	GLOBAL	3.78	0.058	-30.36	0.1509	9.8309	-0.0103
109	P_-y	GLOBAL	4.304	-0.153	-91.488	-0.3959	4.9773	0.0292
109	L_C	GLOBAL	-5.44	1.83	-43.442	3.1394	-9.1605	3.931E-04
109	Imp_x	GLOBAL	0.247	-5.879E-04	0.187	-0.0017	0.7753	3.355E-05
109	Imp_y	GLOBAL	2.299E-04	0.036	-0.016	0.0833	6.907E-04	8.445E-05
1	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1	DEAD	GLOBAL	1.142E-04	-0.02	-20.277	-0.1605	9.054E-04	-6.215E-05
1	W0_1	GLOBAL	0.222	-29.436	11.531	-50.3041	1.9805	-0.0022
1	W0_2	GLOBAL	0.199	-29.469	-2.39	-50.5784	1.7764	-0.0023
1	W180_1	GLOBAL	-0.145	-14.677	13.458	-24.9749	-1.29	-0.0012
1	W180_2	GLOBAL	-0.199	-14.73	-1.314	-25.4139	-1.7722	-0.0013
1	W90	GLOBAL	0.022	-12.839	11.13	-22.3678	0.1964	-9.969E-04
1	W270	GLOBAL	0.041	27.948	21.438	48.9274	0.3659	0.0024
1	SNOW	GLOBAL	1.235E-04	-0.02	-8.284	-0.1604	9.793E-04	-6.456E-05
1	L_G1	GLOBAL	9.880E-05	-0.016	-6.627	-0.1283	7.835E-04	-5.165E-05
1	P_+x	GLOBAL	0.015	7.517E-04	0.221	0.0062	0.1348	-2.431E-06
1	P_-x	GLOBAL	-8.004E-03	5.997E-04	-0.202	0.005	-0.0714	-1.362E-06
1	P_+y	GLOBAL	0.083	0.013	-0.229	0.1087	0.7442	-7.322E-05
1	P_-y	GLOBAL	-0.08	-7.784E-03	1.207	-0.0643	-0.7103	8.991E-06
1	L_C	GLOBAL	-9.750E-13	-2.110E-03	-3.181E-10	-0.0167	-7.732E-12	-7.283E-08
1	Imp_x	GLOBAL	0.02	2.340E-05	-0.018	1.856E-04	0.047	-1.888E-07
1	Imp_y	GLOBAL	2.041E-12	0.021	6.659E-10	0.0548	1.618E-11	1.433E-04
3	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
3	DEAD	GLOBAL	2.327E-03	-0.02	-19.946	-0.1615	0.0185	5.951E-05
3	W0_1	GLOBAL	0.218	-29.444	13.74	-50.3637	1.9369	0.0021
3	W0_2	GLOBAL	0.201	-29.481	-0.942	-50.6641	1.7884	0.0022
3	W180_1	GLOBAL	-0.149	-14.682	10.356	-25.0162	-1.3238	0.0012
3	W180_2	GLOBAL	-0.197	-14.734	-3.141	-25.4419	-1.7502	0.0014
3	W90	GLOBAL	0.02	-12.862	11.354	-22.5546	0.1813	6.995E-04
3	W270	GLOBAL	0.038	27.977	21.978	49.1573	0.3415	-0.0021
3	SNOW	GLOBAL	3.647E-03	-0.02	-7.836	-0.161	0.0289	6.111E-05
3	L_G1	GLOBAL	2.918E-03	-0.016	-6.269	-0.1288	0.0231	4.889E-05

Table 19: Joint Loads - Force

Joint	LoadPat	CoordSys	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m	M3 KN-m
3	P_+x	GLOBAL	0.014	4.670E-04	-0.1	0.0038	0.1261	-1.808E-06
3	P_-x	GLOBAL	-9.025E-03	5.061E-04	0.296	0.0042	-0.0802	-7.884E-07
3	P_+y	GLOBAL	0.082	9.111E-03	1.317	0.0751	0.7248	9.524E-06
3	P_-y	GLOBAL	-0.082	-0.01	-0.29	-0.0833	-0.7255	-3.597E-05
3	L_C	GLOBAL	-7.075E-13	-1.571E-03	1.206E-09	-0.0125	-5.611E-12	9.731E-06
3	Imp_x	GLOBAL	0.02	9.281E-07	0.018	7.360E-06	0.0469	-2.235E-07
3	Imp_y	GLOBAL	1.481E-12	0.022	-2.525E-09	0.0592	1.174E-11	-1.347E-04
125	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
125	DEAD	GLOBAL	3.626E-03	0.511	-26.1	0.4831	0.0288	5.903E-05
125	W0_1	GLOBAL	0.161	29.461	12.15	50.6466	1.4348	0.0019
125	W0_2	GLOBAL	0.164	29.494	-1.959	50.9215	1.4621	0.002
125	W180_1	GLOBAL	-0.167	14.699	13.23	25.2301	-1.4905	0.0012
125	W180_2	GLOBAL	-0.165	14.733	-1.809	25.5077	-1.4696	0.0012
125	W90	GLOBAL	0.148	-27.948	20.	-49.0607	1.3213	-0.0023
125	W270	GLOBAL	0.043	12.895	11.089	22.5598	0.384	9.400E-04
125	SNOW	GLOBAL	-4.430E-03	0.02	-8.16	0.1575	-0.0351	5.299E-05
125	L_G1	GLOBAL	-3.544E-03	0.016	-6.528	0.126	-0.0281	4.239E-05
125	P_+x	GLOBAL	0.023	5.944E-05	0.053	4.909E-04	0.2061	-1.920E-06
125	P_-x	GLOBAL	7.848E-04	-4.473E-04	-0.312	-0.0037	0.007	1.623E-06
125	P_+y	GLOBAL	0.048	0.011	0.187	0.0912	0.425	-7.689E-05
125	P_-y	GLOBAL	-0.027	-8.228E-03	0.574	-0.068	-0.2425	6.750E-06
125	L_C	GLOBAL	0.01	1.244	-15.011	0.865	0.0825	1.480E-05
125	Imp_x	GLOBAL	0.031	4.138E-05	-0.045	3.282E-04	0.0858	0.0036
125	Imp_y	GLOBAL	3.786E-06	0.03	-2.950E-05	0.0748	3.003E-05	1.443E-04
126	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
126	DEAD	GLOBAL	5.742E-03	9.607E-03	-20.405	0.0762	0.0455	-5.600E-06
126	W0_1	GLOBAL	0.154	29.451	13.711	50.4283	1.3747	-0.0018
126	W0_2	GLOBAL	0.163	29.483	-1.213	50.6901	1.4586	-0.0019
126	W180_1	GLOBAL	-0.169	14.71	8.897	25.2502	-1.5064	-7.446E-04
126	W180_2	GLOBAL	-0.16	14.734	-2.607	25.4517	-1.4316	-9.059E-04
126	W90	GLOBAL	0.145	-27.967	23.394	-49.0817	1.2948	0.0017
126	W270	GLOBAL	0.041	12.915	11.986	22.6649	0.3622	-4.993E-04
126	SNOW	GLOBAL	-1.007E-03	0.019	-8.145	0.1486	-0.008	-6.806E-05
126	L_G1	GLOBAL	-8.052E-04	0.015	-6.516	0.1189	-0.0064	-5.444E-05

Table 19: Joint Loads - Force

Joint	LoadPat	CoordSys	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
126	P_+x	GLOBAL	0.022	-1.401E-04	0.232	-0.0012	0.1967	-1.050E-06
126	P_-x	GLOBAL	-1.186E-04	-3.337E-04	0.38	-0.0028	-0.0011	1.138E-06
126	P_+y	GLOBAL	0.045	6.514E-03	1.099	0.0538	0.3991	1.192E-05
126	P_-y	GLOBAL	-0.028	-9.056E-03	0.128	-0.0748	-0.2514	-2.205E-05
126	L_C	GLOBAL	0.01	-0.019	-0.178	-0.1481	0.0827	1.431E-04
126	Imp_x	GLOBAL	0.023	-1.340E-05	0.032	-1.063E-04	0.0683	-1.888E-05
126	Imp_y	GLOBAL	3.809E-06	0.022	-3.301E-06	0.0632	3.020E-05	-1.321E-04
147	DEAD	GLOBAL	-5.059	-5.142	-160.103	-0.4496	-2.2547	0.0338
147	W0_1	GLOBAL	3.016	7.086	109.611	1.4556	14.1779	-9.754E-05
147	W0_2	GLOBAL	4.57	8.485	69.067	1.6394	22.2986	-0.003
147	W180_1	GLOBAL	-5.559	-2.614	4.912	0.177	-26.7974	0.0059
147	W180_2	GLOBAL	-3.88	-1.125	-32.082	0.3769	-18.1975	0.004
147	W90	GLOBAL	-0.211	-13.048	24.103	-4.0946	-1.7214	-1.943E-04
147	W270	GLOBAL	1.387	12.914	116.676	3.8032	4.8973	-5.272E-04
147	SNOW	GLOBAL	0.867	0.82	-30.667	0.114	4.4009	-0.0021
147	L_G1	GLOBAL	0.693	0.656	-24.534	0.0912	3.5207	-0.0017
147	P_+x	GLOBAL	3.532	0.297	-82.893	0.1133	6.4277	-0.0012
147	P_-x	GLOBAL	0.92	-0.086	-30.908	0.0103	1.1881	-1.546E-04
147	P_+y	GLOBAL	1.374	0.929	-23.923	0.2214	3.4783	-0.001
147	P_-y	GLOBAL	2.427	-1.728	-92.49	-0.3736	2.289	0.0015
147	L_C	GLOBAL	-9.133	-8.361	-57.88	-0.9259	-9.4946	0.0537
147	Imp_x	GLOBAL	0.072	0.072	0.644	0.008	0.272	-2.450E-04
147	Imp_y	GLOBAL	6.358E-03	0.31	0.698	0.0982	0.0069	1.664E-04
243	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
250	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
257	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
264	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
271	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
283	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
290	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
297	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
304	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
311	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
323	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
330	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
337	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
344	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
351	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
422	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
429	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
436	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
443	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
450	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
462	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.

Table 19: Joint Loads - Force

Joint	LoadPat	CoordSys	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m	M3 KN-m
469	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
476	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
483	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
490	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
502	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
509	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
516	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
523	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
530	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
871	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
878	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
885	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
892	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
899	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
911	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
918	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
925	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
932	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
939	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
951	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
958	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
965	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
972	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
979	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
991	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
998	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1005	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1012	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1019	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1031	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1038	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1045	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1052	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1059	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1071	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1078	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1085	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1092	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1099	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1111	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1118	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1125	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1132	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
1139	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
8	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.
83	SDEAD	GLOBAL	0.	0.	-31.	0.	0.	0.

**Table 20: Area Loads - Surface Pressure**

Table 20: Area Loads - Surface Pressure

Area	LoadPat	Face	Pressure KN/m2	JtPattern
24	DEAD	Top	1.33	None
24	TIERRAS	Top	1.	RELLENO
25	DEAD	Top	1.33	None
25	TIERRAS	Top	1.	RELLENO
26	DEAD	Top	1.33	None
26	TIERRAS	Top	1.	RELLENO
27	DEAD	Top	1.33	None
27	TIERRAS	Top	1.	RELLENO
28	DEAD	Top	1.33	None
28	TIERRAS	Top	1.	RELLENO
30	DEAD	Top	1.33	None
30	TIERRAS	Top	1.	RELLENO
31	DEAD	Top	1.33	None
31	TIERRAS	Top	1.	RELLENO
32	DEAD	Top	1.33	None
32	TIERRAS	Top	1.	RELLENO
33	DEAD	Top	1.33	None
33	TIERRAS	Top	1.	RELLENO
34	DEAD	Top	1.33	None
34	TIERRAS	Top	1.	RELLENO
36	DEAD	Top	1.33	None
36	TIERRAS	Top	1.	RELLENO
37	DEAD	Top	1.33	None
37	TIERRAS	Top	1.	RELLENO
38	DEAD	Top	1.33	None
38	TIERRAS	Top	1.	RELLENO
39	DEAD	Top	1.33	None
39	TIERRAS	Top	1.	RELLENO
40	DEAD	Top	1.33	None
40	TIERRAS	Top	1.	RELLENO
41	DEAD	Top	1.33	None
41	TIERRAS	Top	1.	RELLENO
42	DEAD	Top	1.33	None
42	TIERRAS	Top	1.	RELLENO
43	DEAD	Top	1.33	None
43	TIERRAS	Top	1.	RELLENO
44	DEAD	Top	1.33	None
44	TIERRAS	Top	1.	RELLENO
45	DEAD	Top	1.33	None
45	TIERRAS	Top	1.	RELLENO
46	DEAD	Top	1.33	None
46	TIERRAS	Top	1.	RELLENO
47	DEAD	Top	1.33	None
47	TIERRAS	Top	1.	RELLENO
48	DEAD	Top	1.33	None
48	TIERRAS	Top	1.	RELLENO
49	DEAD	Top	1.33	None
49	TIERRAS	Top	1.	RELLENO
50	DEAD	Top	1.33	None
50	TIERRAS	Top	1.	RELLENO
51	DEAD	Top	1.33	None
51	TIERRAS	Top	1.	RELLENO
52	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
52	TIERRAS	Top	1.	RELLENO
53	DEAD	Top	1.33	None
53	TIERRAS	Top	1.	RELLENO
54	DEAD	Top	1.33	None
54	TIERRAS	Top	1.	RELLENO
55	DEAD	Top	1.33	None
55	TIERRAS	Top	1.	RELLENO
56	DEAD	Top	1.33	None
56	TIERRAS	Top	1.	RELLENO
57	DEAD	Top	1.33	None
57	TIERRAS	Top	1.	RELLENO
58	DEAD	Top	1.33	None
58	TIERRAS	Top	1.	RELLENO
59	DEAD	Top	1.33	None
59	TIERRAS	Top	1.	RELLENO
60	DEAD	Top	1.33	None
60	TIERRAS	Top	1.	RELLENO
61	DEAD	Top	1.33	None
61	TIERRAS	Top	1.	RELLENO
62	DEAD	Top	1.33	None
62	TIERRAS	Top	1.	RELLENO
63	DEAD	Top	1.33	None
63	TIERRAS	Top	1.	RELLENO
64	DEAD	Top	1.33	None
64	TIERRAS	Top	1.	RELLENO
65	DEAD	Top	1.33	None
65	TIERRAS	Top	1.	RELLENO
66	DEAD	Top	1.33	None
66	TIERRAS	Top	1.	RELLENO
67	DEAD	Top	1.33	None
67	TIERRAS	Top	1.	RELLENO
68	DEAD	Top	1.33	None
68	TIERRAS	Top	1.	RELLENO
69	DEAD	Top	1.33	None
69	TIERRAS	Top	1.	RELLENO
70	DEAD	Top	1.33	None
70	TIERRAS	Top	1.	RELLENO
71	DEAD	Top	1.33	None
71	TIERRAS	Top	1.	RELLENO
72	DEAD	Top	1.33	None
72	TIERRAS	Top	1.	RELLENO
73	DEAD	Top	1.33	None
73	TIERRAS	Top	1.	RELLENO
74	DEAD	Top	1.33	None
74	TIERRAS	Top	1.	RELLENO
75	DEAD	Top	1.33	None
75	TIERRAS	Top	1.	RELLENO
76	DEAD	Top	1.33	None
76	TIERRAS	Top	1.	RELLENO
77	DEAD	Top	1.33	None
77	TIERRAS	Top	1.	RELLENO
78	DEAD	Top	1.33	None
78	TIERRAS	Top	1.	RELLENO
79	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
79	TIERRAS	Top	1.	RELLENO
80	DEAD	Top	1.33	None
80	TIERRAS	Top	1.	RELLENO
81	DEAD	Top	1.33	None
81	TIERRAS	Top	1.	RELLENO
82	DEAD	Top	1.33	None
82	TIERRAS	Top	1.	RELLENO
83	DEAD	Top	1.33	None
83	TIERRAS	Top	1.	RELLENO
84	DEAD	Top	1.33	None
84	TIERRAS	Top	1.	RELLENO
85	DEAD	Top	1.33	None
85	TIERRAS	Top	1.	RELLENO
86	DEAD	Top	1.33	None
86	TIERRAS	Top	1.	RELLENO
87	DEAD	Top	1.33	None
87	TIERRAS	Top	1.	RELLENO
88	DEAD	Top	1.33	None
88	TIERRAS	Top	1.	RELLENO
89	DEAD	Top	1.33	None
89	TIERRAS	Top	1.	RELLENO
90	DEAD	Top	1.33	None
90	TIERRAS	Top	1.	RELLENO
91	DEAD	Top	1.33	None
91	TIERRAS	Top	1.	RELLENO
92	DEAD	Top	1.33	None
92	TIERRAS	Top	1.	RELLENO
93	DEAD	Top	1.33	None
93	TIERRAS	Top	1.	RELLENO
94	DEAD	Top	1.33	None
94	TIERRAS	Top	1.	RELLENO
95	DEAD	Top	1.33	None
95	TIERRAS	Top	1.	RELLENO
96	DEAD	Top	1.33	None
96	TIERRAS	Top	1.	RELLENO
97	DEAD	Top	1.33	None
97	TIERRAS	Top	1.	RELLENO
98	DEAD	Top	1.33	None
98	TIERRAS	Top	1.	RELLENO
99	DEAD	Top	1.33	None
99	TIERRAS	Top	1.	RELLENO
100	DEAD	Top	1.33	None
100	TIERRAS	Top	1.	RELLENO
101	DEAD	Top	1.33	None
101	TIERRAS	Top	1.	RELLENO
102	DEAD	Top	1.33	None
102	TIERRAS	Top	1.	RELLENO
103	DEAD	Top	1.33	None
103	TIERRAS	Top	1.	RELLENO
104	DEAD	Top	1.33	None
104	TIERRAS	Top	1.	RELLENO
105	DEAD	Top	1.33	None
105	TIERRAS	Top	1.	RELLENO
106	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
106	TIERRAS	Top	1.	RELLENO
107	DEAD	Top	1.33	None
107	TIERRAS	Top	1.	RELLENO
108	DEAD	Top	1.33	None
108	TIERRAS	Top	1.	RELLENO
109	DEAD	Top	1.33	None
109	TIERRAS	Top	1.	RELLENO
110	DEAD	Top	1.33	None
110	TIERRAS	Top	1.	RELLENO
111	DEAD	Top	1.33	None
111	TIERRAS	Top	1.	RELLENO
112	DEAD	Top	1.33	None
112	TIERRAS	Top	1.	RELLENO
113	DEAD	Top	1.33	None
113	TIERRAS	Top	1.	RELLENO
114	DEAD	Top	1.33	None
114	TIERRAS	Top	1.	RELLENO
115	DEAD	Top	1.33	None
115	TIERRAS	Top	1.	RELLENO
116	DEAD	Top	1.33	None
116	TIERRAS	Top	1.	RELLENO
117	DEAD	Top	1.33	None
117	TIERRAS	Top	1.	RELLENO
118	DEAD	Top	1.33	None
118	TIERRAS	Top	1.	RELLENO
119	DEAD	Top	1.33	None
119	TIERRAS	Top	1.	RELLENO
120	DEAD	Top	1.33	None
120	TIERRAS	Top	1.	RELLENO
121	DEAD	Top	1.33	None
121	TIERRAS	Top	1.	RELLENO
122	DEAD	Top	1.33	None
122	TIERRAS	Top	1.	RELLENO
123	DEAD	Top	1.33	None
123	TIERRAS	Top	1.	RELLENO
124	DEAD	Top	1.33	None
124	TIERRAS	Top	1.	RELLENO
125	DEAD	Top	1.33	None
125	TIERRAS	Top	1.	RELLENO
126	DEAD	Top	1.33	None
126	TIERRAS	Top	1.	RELLENO
127	DEAD	Top	1.33	None
127	TIERRAS	Top	1.	RELLENO
128	DEAD	Top	1.33	None
128	TIERRAS	Top	1.	RELLENO
129	DEAD	Top	1.33	None
129	TIERRAS	Top	1.	RELLENO
130	DEAD	Top	1.33	None
130	TIERRAS	Top	1.	RELLENO
131	DEAD	Top	1.33	None
131	TIERRAS	Top	1.	RELLENO
180	DEAD	Top	1.33	None
180	TIERRAS	Top	1.	RELLENO
181	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
181	TIERRAS	Top	1.	RELLENO
182	DEAD	Top	1.33	None
182	TIERRAS	Top	1.	RELLENO
183	DEAD	Top	1.33	None
183	TIERRAS	Top	1.	RELLENO
184	DEAD	Top	1.33	None
184	TIERRAS	Top	1.	RELLENO
185	DEAD	Top	1.33	None
185	TIERRAS	Top	1.	RELLENO
186	DEAD	Top	1.33	None
186	TIERRAS	Top	1.	RELLENO
187	DEAD	Top	1.33	None
187	TIERRAS	Top	1.	RELLENO
188	DEAD	Top	1.33	None
188	TIERRAS	Top	1.	RELLENO
189	DEAD	Top	1.33	None
189	TIERRAS	Top	1.	RELLENO
190	DEAD	Top	1.33	None
190	TIERRAS	Top	1.	RELLENO
191	DEAD	Top	1.33	None
191	TIERRAS	Top	1.	RELLENO
192	DEAD	Top	1.33	None
192	TIERRAS	Top	1.	RELLENO
193	DEAD	Top	1.33	None
193	TIERRAS	Top	1.	RELLENO
194	DEAD	Top	1.33	None
194	TIERRAS	Top	1.	RELLENO
195	DEAD	Top	1.33	None
195	TIERRAS	Top	1.	RELLENO
196	DEAD	Top	1.33	None
196	TIERRAS	Top	1.	RELLENO
197	DEAD	Top	1.33	None
197	TIERRAS	Top	1.	RELLENO
198	DEAD	Top	1.33	None
198	TIERRAS	Top	1.	RELLENO
199	DEAD	Top	1.33	None
199	TIERRAS	Top	1.	RELLENO
200	DEAD	Top	1.33	None
200	TIERRAS	Top	1.	RELLENO
201	DEAD	Top	1.33	None
201	TIERRAS	Top	1.	RELLENO
202	DEAD	Top	1.33	None
202	TIERRAS	Top	1.	RELLENO
203	DEAD	Top	1.33	None
203	TIERRAS	Top	1.	RELLENO
204	DEAD	Top	1.33	None
204	TIERRAS	Top	1.	RELLENO
205	DEAD	Top	1.33	None
205	TIERRAS	Top	1.	RELLENO
206	DEAD	Top	1.33	None
206	TIERRAS	Top	1.	RELLENO
207	DEAD	Top	1.33	None
207	TIERRAS	Top	1.	RELLENO
208	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
208	TIERRAS	Top	1.	RELLENO
209	DEAD	Top	1.33	None
209	TIERRAS	Top	1.	RELLENO
210	DEAD	Top	1.33	None
210	TIERRAS	Top	1.	RELLENO
211	DEAD	Top	1.33	None
211	TIERRAS	Top	1.	RELLENO
212	DEAD	Top	1.33	None
212	TIERRAS	Top	1.	RELLENO
213	DEAD	Top	1.33	None
213	TIERRAS	Top	1.	RELLENO
214	DEAD	Top	1.33	None
214	TIERRAS	Top	1.	RELLENO
215	DEAD	Top	1.33	None
215	TIERRAS	Top	1.	RELLENO
216	DEAD	Top	1.33	None
216	TIERRAS	Top	1.	RELLENO
217	DEAD	Top	1.33	None
217	TIERRAS	Top	1.	RELLENO
218	DEAD	Top	1.33	None
218	TIERRAS	Top	1.	RELLENO
219	DEAD	Top	1.33	None
219	TIERRAS	Top	1.	RELLENO
220	DEAD	Top	1.33	None
220	TIERRAS	Top	1.	RELLENO
221	DEAD	Top	1.33	None
221	TIERRAS	Top	1.	RELLENO
222	DEAD	Top	1.33	None
222	TIERRAS	Top	1.	RELLENO
223	DEAD	Top	1.33	None
223	TIERRAS	Top	1.	RELLENO
224	DEAD	Top	1.33	None
224	TIERRAS	Top	1.	RELLENO
225	DEAD	Top	1.33	None
225	TIERRAS	Top	1.	RELLENO
226	DEAD	Top	1.33	None
226	TIERRAS	Top	1.	RELLENO
227	DEAD	Top	1.33	None
227	TIERRAS	Top	1.	RELLENO
228	DEAD	Top	1.33	None
228	TIERRAS	Top	1.	RELLENO
229	DEAD	Top	1.33	None
229	TIERRAS	Top	1.	RELLENO
230	DEAD	Top	1.33	None
230	TIERRAS	Top	1.	RELLENO
231	DEAD	Top	1.33	None
231	TIERRAS	Top	1.	RELLENO
232	DEAD	Top	1.33	None
232	TIERRAS	Top	1.	RELLENO
233	DEAD	Top	1.33	None
233	TIERRAS	Top	1.	RELLENO
234	DEAD	Top	1.33	None
234	TIERRAS	Top	1.	RELLENO
235	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
235	TIERRAS	Top	1.	RELLENO
236	DEAD	Top	1.33	None
236	TIERRAS	Top	1.	RELLENO
237	DEAD	Top	1.33	None
237	TIERRAS	Top	1.	RELLENO
238	DEAD	Top	1.33	None
238	TIERRAS	Top	1.	RELLENO
239	DEAD	Top	1.33	None
239	TIERRAS	Top	1.	RELLENO
240	DEAD	Top	1.33	None
240	TIERRAS	Top	1.	RELLENO
241	DEAD	Top	1.33	None
241	TIERRAS	Top	1.	RELLENO
242	DEAD	Top	1.33	None
242	TIERRAS	Top	1.	RELLENO
243	DEAD	Top	1.33	None
243	TIERRAS	Top	1.	RELLENO
244	DEAD	Top	1.33	None
244	TIERRAS	Top	1.	RELLENO
245	DEAD	Top	1.33	None
245	TIERRAS	Top	1.	RELLENO
246	DEAD	Top	1.33	None
246	TIERRAS	Top	1.	RELLENO
247	DEAD	Top	1.33	None
247	TIERRAS	Top	1.	RELLENO
248	DEAD	Top	1.33	None
248	TIERRAS	Top	1.	RELLENO
249	DEAD	Top	1.33	None
249	TIERRAS	Top	1.	RELLENO
250	DEAD	Top	1.33	None
250	TIERRAS	Top	1.	RELLENO
251	DEAD	Top	1.33	None
251	TIERRAS	Top	1.	RELLENO
252	DEAD	Top	1.33	None
252	TIERRAS	Top	1.	RELLENO
253	DEAD	Top	1.33	None
253	TIERRAS	Top	1.	RELLENO
254	DEAD	Top	1.33	None
254	TIERRAS	Top	1.	RELLENO
255	DEAD	Top	1.33	None
255	TIERRAS	Top	1.	RELLENO
256	DEAD	Top	1.33	None
256	TIERRAS	Top	1.	RELLENO
257	DEAD	Top	1.33	None
257	TIERRAS	Top	1.	RELLENO
258	DEAD	Top	1.33	None
258	TIERRAS	Top	1.	RELLENO
259	DEAD	Top	1.33	None
259	TIERRAS	Top	1.	RELLENO
260	DEAD	Top	1.33	None
260	TIERRAS	Top	1.	RELLENO
261	DEAD	Top	1.33	None
261	TIERRAS	Top	1.	RELLENO
262	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
262	TIERRAS	Top	1.	RELLENO
263	DEAD	Top	1.33	None
263	TIERRAS	Top	1.	RELLENO
264	DEAD	Top	1.33	None
264	TIERRAS	Top	1.	RELLENO
265	DEAD	Top	1.33	None
265	TIERRAS	Top	1.	RELLENO
266	DEAD	Top	1.33	None
266	TIERRAS	Top	1.	RELLENO
267	DEAD	Top	1.33	None
267	TIERRAS	Top	1.	RELLENO
268	DEAD	Top	1.33	None
268	TIERRAS	Top	1.	RELLENO
269	DEAD	Top	1.33	None
269	TIERRAS	Top	1.	RELLENO
270	DEAD	Top	1.33	None
270	TIERRAS	Top	1.	RELLENO
271	DEAD	Top	1.33	None
271	TIERRAS	Top	1.	RELLENO
272	DEAD	Top	1.33	None
272	TIERRAS	Top	1.	RELLENO
273	DEAD	Top	1.33	None
273	TIERRAS	Top	1.	RELLENO
274	DEAD	Top	1.33	None
274	TIERRAS	Top	1.	RELLENO
275	DEAD	Top	1.33	None
275	TIERRAS	Top	1.	RELLENO
276	DEAD	Top	1.33	None
276	TIERRAS	Top	1.	RELLENO
277	DEAD	Top	1.33	None
277	TIERRAS	Top	1.	RELLENO
278	DEAD	Top	1.33	None
278	TIERRAS	Top	1.	RELLENO
279	DEAD	Top	1.33	None
279	TIERRAS	Top	1.	RELLENO
280	DEAD	Top	1.33	None
280	TIERRAS	Top	1.	RELLENO
281	DEAD	Top	1.33	None
281	TIERRAS	Top	1.	RELLENO
282	DEAD	Top	1.33	None
282	TIERRAS	Top	1.	RELLENO
283	DEAD	Top	1.33	None
283	TIERRAS	Top	1.	RELLENO
284	DEAD	Top	1.33	None
284	TIERRAS	Top	1.	RELLENO
285	DEAD	Top	1.33	None
285	TIERRAS	Top	1.	RELLENO
286	DEAD	Top	1.33	None
286	TIERRAS	Top	1.	RELLENO
287	DEAD	Top	1.33	None
287	TIERRAS	Top	1.	RELLENO
336	DEAD	Top	1.66	None
336	TIERRAS	Top	1.	RELLENO
336	L_E	Top	2.98	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
337	DEAD	Top	1.66	None
337	TIERRAS	Top	1.	RELLENO
337	L_E	Top	2.98	None
338	DEAD	Top	1.66	None
338	TIERRAS	Top	1.	RELLENO
338	L_E	Top	2.98	None
339	DEAD	Top	1.66	None
339	TIERRAS	Top	1.	RELLENO
339	L_E	Top	2.98	None
340	DEAD	Top	1.66	None
340	TIERRAS	Top	1.	RELLENO
340	L_E	Top	2.98	None
341	DEAD	Top	1.66	None
341	TIERRAS	Top	1.	RELLENO
341	L_E	Top	2.98	None
342	DEAD	Top	1.66	None
342	TIERRAS	Top	1.	RELLENO
342	L_E	Top	2.98	None
343	DEAD	Top	1.66	None
343	TIERRAS	Top	1.	RELLENO
343	L_E	Top	2.98	None
344	DEAD	Top	1.66	None
344	TIERRAS	Top	1.	RELLENO
344	L_E	Top	2.98	None
345	DEAD	Top	1.66	None
345	TIERRAS	Top	1.	RELLENO
345	L_E	Top	2.98	None
346	DEAD	Top	1.66	None
346	TIERRAS	Top	1.	RELLENO
346	L_E	Top	2.98	None
347	DEAD	Top	1.66	None
347	TIERRAS	Top	1.	RELLENO
347	L_E	Top	2.98	None
348	DEAD	Top	1.66	None
348	TIERRAS	Top	1.	RELLENO
348	L_E	Top	2.98	None
349	DEAD	Top	1.66	None
349	TIERRAS	Top	1.	RELLENO
349	L_E	Top	2.98	None
350	DEAD	Top	1.66	None
350	TIERRAS	Top	1.	RELLENO
350	L_E	Top	2.98	None
351	DEAD	Top	1.66	None
351	TIERRAS	Top	1.	RELLENO
351	L_E	Top	2.98	None
352	DEAD	Top	1.66	None
352	TIERRAS	Top	1.	RELLENO
352	L_E	Top	2.98	None
353	DEAD	Top	1.66	None
353	TIERRAS	Top	1.	RELLENO
353	L_E	Top	2.98	None
354	DEAD	Top	1.66	None
354	TIERRAS	Top	1.	RELLENO
354	L_E	Top	2.98	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
355	DEAD	Top	1.66	None
355	TIERRAS	Top	1.	RELLENO
355	L_E	Top	2.98	None
356	DEAD	Top	1.66	None
356	TIERRAS	Top	1.	RELLENO
356	L_E	Top	2.98	None
357	DEAD	Top	1.66	None
357	TIERRAS	Top	1.	RELLENO
357	L_E	Top	2.98	None
358	DEAD	Top	1.66	None
358	TIERRAS	Top	1.	RELLENO
358	L_E	Top	2.98	None
359	DEAD	Top	1.66	None
359	TIERRAS	Top	1.	RELLENO
359	L_E	Top	2.98	None
360	DEAD	Top	1.66	None
360	TIERRAS	Top	1.	RELLENO
360	L_E	Top	2.98	None
361	DEAD	Top	1.66	None
361	TIERRAS	Top	1.	RELLENO
361	L_E	Top	2.98	None
362	DEAD	Top	1.66	None
362	TIERRAS	Top	1.	RELLENO
362	L_E	Top	2.98	None
363	DEAD	Top	1.66	None
363	TIERRAS	Top	1.	RELLENO
363	L_E	Top	2.98	None
364	DEAD	Top	1.66	None
364	TIERRAS	Top	1.	RELLENO
364	L_E	Top	2.98	None
365	DEAD	Top	1.66	None
365	TIERRAS	Top	1.	RELLENO
365	L_E	Top	2.98	None
366	DEAD	Top	1.66	None
366	TIERRAS	Top	1.	RELLENO
366	L_E	Top	2.98	None
367	DEAD	Top	1.66	None
367	TIERRAS	Top	1.	RELLENO
367	L_E	Top	2.98	None
368	DEAD	Top	1.66	None
368	TIERRAS	Top	1.	RELLENO
368	L_E	Top	2.98	None
369	DEAD	Top	1.66	None
369	TIERRAS	Top	1.	RELLENO
369	L_E	Top	2.98	None
370	DEAD	Top	1.66	None
370	TIERRAS	Top	1.	RELLENO
370	L_E	Top	2.98	None
371	DEAD	Top	1.66	None
371	TIERRAS	Top	1.	RELLENO
371	L_E	Top	2.98	None
372	DEAD	Top	1.66	None
372	TIERRAS	Top	1.	RELLENO
372	L_E	Top	2.98	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
373	DEAD	Top	1.66	None
373	TIERRAS	Top	1.	RELLENO
373	L_E	Top	2.98	None
374	DEAD	Top	1.66	None
374	TIERRAS	Top	1.	RELLENO
374	L_E	Top	2.98	None
375	DEAD	Top	1.66	None
375	TIERRAS	Top	1.	RELLENO
375	L_E	Top	2.98	None
376	DEAD	Top	1.66	None
376	TIERRAS	Top	1.	RELLENO
376	L_E	Top	2.98	None
377	DEAD	Top	1.66	None
377	TIERRAS	Top	1.	RELLENO
377	L_E	Top	2.98	None
378	DEAD	Top	1.66	None
378	TIERRAS	Top	1.	RELLENO
378	L_E	Top	2.98	None
379	DEAD	Top	1.66	None
379	TIERRAS	Top	1.	RELLENO
379	L_E	Top	2.98	None
380	DEAD	Top	1.66	None
380	TIERRAS	Top	1.	RELLENO
380	L_E	Top	2.98	None
381	DEAD	Top	1.66	None
381	TIERRAS	Top	1.	RELLENO
381	L_E	Top	2.98	None
382	DEAD	Top	1.66	None
382	TIERRAS	Top	1.	RELLENO
382	L_E	Top	2.98	None
383	DEAD	Top	1.66	None
383	TIERRAS	Top	1.	RELLENO
383	L_E	Top	2.98	None
384	DEAD	Top	1.66	None
384	TIERRAS	Top	1.	RELLENO
384	L_E	Top	2.32	None
385	DEAD	Top	1.66	None
385	TIERRAS	Top	1.	RELLENO
385	L_E	Top	2.32	None
386	DEAD	Top	1.66	None
386	TIERRAS	Top	1.	RELLENO
386	L_E	Top	2.32	None
387	DEAD	Top	1.66	None
387	TIERRAS	Top	1.	RELLENO
387	L_E	Top	2.32	None
388	DEAD	Top	1.66	None
388	TIERRAS	Top	1.	RELLENO
388	L_E	Top	2.32	None
389	DEAD	Top	1.66	None
389	TIERRAS	Top	1.	RELLENO
389	L_E	Top	2.32	None
390	DEAD	Top	1.66	None
390	TIERRAS	Top	1.	RELLENO
390	L_E	Top	2.32	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
391	DEAD	Top	1.66	None
391	TIERRAS	Top	1.	RELLENO
391	L_E	Top	2.32	None
392	DEAD	Top	1.66	None
392	TIERRAS	Top	1.	RELLENO
392	L_E	Top	2.32	None
393	DEAD	Top	1.66	None
393	TIERRAS	Top	1.	RELLENO
393	L_E	Top	2.32	None
394	DEAD	Top	1.66	None
394	TIERRAS	Top	1.	RELLENO
394	L_E	Top	2.32	None
395	DEAD	Top	1.66	None
395	TIERRAS	Top	1.	RELLENO
395	L_E	Top	2.32	None
396	DEAD	Top	1.66	None
396	TIERRAS	Top	1.	RELLENO
396	L_E	Top	2.32	None
397	DEAD	Top	1.66	None
397	TIERRAS	Top	1.	RELLENO
397	L_E	Top	2.32	None
398	DEAD	Top	1.66	None
398	TIERRAS	Top	1.	RELLENO
398	L_E	Top	2.32	None
399	DEAD	Top	1.66	None
399	TIERRAS	Top	1.	RELLENO
399	L_E	Top	2.32	None
400	DEAD	Top	1.66	None
400	TIERRAS	Top	1.	RELLENO
400	L_E	Top	2.32	None
401	DEAD	Top	1.66	None
401	TIERRAS	Top	1.	RELLENO
401	L_E	Top	2.32	None
402	DEAD	Top	1.66	None
402	TIERRAS	Top	1.	RELLENO
402	L_E	Top	2.32	None
403	DEAD	Top	1.66	None
403	TIERRAS	Top	1.	RELLENO
403	L_E	Top	2.32	None
404	DEAD	Top	1.66	None
404	TIERRAS	Top	1.	RELLENO
404	L_E	Top	2.32	None
405	DEAD	Top	1.66	None
405	TIERRAS	Top	1.	RELLENO
405	L_E	Top	2.32	None
406	DEAD	Top	1.66	None
406	TIERRAS	Top	1.	RELLENO
406	L_E	Top	2.32	None
407	DEAD	Top	1.66	None
407	TIERRAS	Top	1.	RELLENO
407	L_E	Top	2.32	None
408	DEAD	Top	1.66	None
408	TIERRAS	Top	1.	RELLENO
408	L_E	Top	2.32	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
409	DEAD	Top	1.66	None
409	TIERRAS	Top	1.	RELLENO
409	L_E	Top	2.32	None
410	DEAD	Top	1.66	None
410	TIERRAS	Top	1.	RELLENO
410	L_E	Top	2.32	None
411	DEAD	Top	1.66	None
411	TIERRAS	Top	1.	RELLENO
411	L_E	Top	2.32	None
412	DEAD	Top	1.66	None
412	TIERRAS	Top	1.	RELLENO
412	L_E	Top	2.32	None
413	DEAD	Top	1.66	None
413	TIERRAS	Top	1.	RELLENO
413	L_E	Top	2.32	None
414	DEAD	Top	1.66	None
414	TIERRAS	Top	1.	RELLENO
414	L_E	Top	2.32	None
415	DEAD	Top	1.66	None
415	TIERRAS	Top	1.	RELLENO
415	L_E	Top	2.32	None
416	DEAD	Top	1.66	None
416	TIERRAS	Top	1.	RELLENO
416	L_E	Top	2.32	None
417	DEAD	Top	1.66	None
417	TIERRAS	Top	1.	RELLENO
417	L_E	Top	2.32	None
418	DEAD	Top	1.66	None
418	TIERRAS	Top	1.	RELLENO
418	L_E	Top	2.32	None
419	DEAD	Top	1.66	None
419	TIERRAS	Top	1.	RELLENO
419	L_E	Top	2.32	None
420	DEAD	Top	1.66	None
420	TIERRAS	Top	1.	RELLENO
420	L_E	Top	2.32	None
421	DEAD	Top	1.66	None
421	TIERRAS	Top	1.	RELLENO
421	L_E	Top	2.32	None
422	DEAD	Top	1.66	None
422	TIERRAS	Top	1.	RELLENO
422	L_E	Top	2.32	None
423	DEAD	Top	1.66	None
423	TIERRAS	Top	1.	RELLENO
423	L_E	Top	2.32	None
424	DEAD	Top	1.66	None
424	TIERRAS	Top	1.	RELLENO
424	L_E	Top	2.32	None
425	DEAD	Top	1.66	None
425	TIERRAS	Top	1.	RELLENO
425	L_E	Top	2.32	None
426	DEAD	Top	1.66	None
426	TIERRAS	Top	1.	RELLENO
426	L_E	Top	2.32	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
427	DEAD	Top	1.66	None
427	TIERRAS	Top	1.	RELLENO
427	L_E	Top	2.32	None
428	DEAD	Top	1.66	None
428	TIERRAS	Top	1.	RELLENO
428	L_E	Top	2.32	None
429	DEAD	Top	1.66	None
429	TIERRAS	Top	1.	RELLENO
429	L_E	Top	2.32	None
430	DEAD	Top	1.66	None
430	TIERRAS	Top	1.	RELLENO
430	L_E	Top	2.32	None
431	DEAD	Top	1.66	None
431	TIERRAS	Top	1.	RELLENO
431	L_E	Top	2.32	None
432	DEAD	Top	1.66	None
432	TIERRAS	Top	1.	RELLENO
432	L_E	Top	2.32	None
433	DEAD	Top	1.66	None
433	TIERRAS	Top	1.	RELLENO
433	L_E	Top	2.32	None
434	DEAD	Top	1.66	None
434	TIERRAS	Top	1.	RELLENO
434	L_E	Top	2.32	None
435	DEAD	Top	1.66	None
435	TIERRAS	Top	1.	RELLENO
435	L_E	Top	2.32	None
436	DEAD	Top	1.66	None
436	TIERRAS	Top	1.	RELLENO
436	L_E	Top	2.32	None
437	DEAD	Top	1.66	None
437	TIERRAS	Top	1.	RELLENO
437	L_E	Top	2.32	None
438	DEAD	Top	1.66	None
438	TIERRAS	Top	1.	RELLENO
438	L_E	Top	2.32	None
439	DEAD	Top	1.66	None
439	TIERRAS	Top	1.	RELLENO
439	L_E	Top	2.32	None
440	DEAD	Top	1.66	None
440	TIERRAS	Top	1.	RELLENO
440	L_E	Top	2.32	None
441	DEAD	Top	1.66	None
441	TIERRAS	Top	1.	RELLENO
441	L_E	Top	2.32	None
442	DEAD	Top	1.66	None
442	TIERRAS	Top	1.	RELLENO
442	L_E	Top	2.32	None
443	DEAD	Top	1.66	None
443	TIERRAS	Top	1.	RELLENO
443	L_E	Top	2.32	None
444	DEAD	Top	1.66	None
444	TIERRAS	Top	1.	RELLENO
444	L_E	Top	2.32	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
445	DEAD	Top	1.66	None
445	TIERRAS	Top	1.	RELLENO
445	L_E	Top	2.32	None
446	DEAD	Top	1.66	None
446	TIERRAS	Top	1.	RELLENO
446	L_E	Top	2.32	None
447	DEAD	Top	1.66	None
447	TIERRAS	Top	1.	RELLENO
447	L_E	Top	2.32	None
448	DEAD	Top	1.66	None
448	TIERRAS	Top	1.	RELLENO
448	L_E	Top	2.32	None
449	DEAD	Top	1.66	None
449	TIERRAS	Top	1.	RELLENO
449	L_E	Top	2.32	None
450	DEAD	Top	1.66	None
450	TIERRAS	Top	1.	RELLENO
450	L_E	Top	2.32	None
451	DEAD	Top	1.66	None
451	TIERRAS	Top	1.	RELLENO
451	L_E	Top	2.32	None
452	DEAD	Top	1.66	None
452	TIERRAS	Top	1.	RELLENO
452	L_E	Top	2.32	None
453	DEAD	Top	1.66	None
453	TIERRAS	Top	1.	RELLENO
453	L_E	Top	2.32	None
454	DEAD	Top	1.66	None
454	TIERRAS	Top	1.	RELLENO
454	L_E	Top	2.32	None
455	DEAD	Top	1.66	None
455	TIERRAS	Top	1.	RELLENO
455	L_E	Top	2.32	None
456	DEAD	Top	1.66	None
456	TIERRAS	Top	1.	RELLENO
456	L_E	Top	1.66	None
457	DEAD	Top	1.66	None
457	TIERRAS	Top	1.	RELLENO
457	L_E	Top	1.66	None
458	DEAD	Top	1.66	None
458	TIERRAS	Top	1.	RELLENO
458	L_E	Top	1.66	None
459	DEAD	Top	1.66	None
459	TIERRAS	Top	1.	RELLENO
459	L_E	Top	1.66	None
460	DEAD	Top	1.66	None
460	TIERRAS	Top	1.	RELLENO
460	L_E	Top	1.66	None
461	DEAD	Top	1.66	None
461	TIERRAS	Top	1.	RELLENO
461	L_E	Top	1.66	None
462	DEAD	Top	1.66	None
462	TIERRAS	Top	1.	RELLENO
462	L_E	Top	1.66	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
463	DEAD	Top	1.66	None
463	TIERRAS	Top	1.	RELLENO
463	L_E	Top	1.66	None
464	DEAD	Top	1.66	None
464	TIERRAS	Top	1.	RELLENO
464	L_E	Top	1.66	None
465	DEAD	Top	1.66	None
465	TIERRAS	Top	1.	RELLENO
465	L_E	Top	1.66	None
466	DEAD	Top	1.66	None
466	TIERRAS	Top	1.	RELLENO
466	L_E	Top	1.66	None
467	DEAD	Top	1.66	None
467	TIERRAS	Top	1.	RELLENO
467	L_E	Top	1.66	None
468	DEAD	Top	1.66	None
468	TIERRAS	Top	1.	RELLENO
468	L_E	Top	1.66	None
469	DEAD	Top	1.66	None
469	TIERRAS	Top	1.	RELLENO
469	L_E	Top	1.66	None
470	DEAD	Top	1.66	None
470	TIERRAS	Top	1.	RELLENO
470	L_E	Top	1.66	None
471	DEAD	Top	1.66	None
471	TIERRAS	Top	1.	RELLENO
471	L_E	Top	1.66	None
472	DEAD	Top	1.66	None
472	TIERRAS	Top	1.	RELLENO
472	L_E	Top	1.66	None
473	DEAD	Top	1.66	None
473	TIERRAS	Top	1.	RELLENO
473	L_E	Top	1.66	None
474	DEAD	Top	1.66	None
474	TIERRAS	Top	1.	RELLENO
474	L_E	Top	1.66	None
475	DEAD	Top	1.66	None
475	TIERRAS	Top	1.	RELLENO
475	L_E	Top	1.66	None
476	DEAD	Top	1.66	None
476	TIERRAS	Top	1.	RELLENO
476	L_E	Top	1.66	None
477	DEAD	Top	1.66	None
477	TIERRAS	Top	1.	RELLENO
477	L_E	Top	1.66	None
478	DEAD	Top	1.66	None
478	TIERRAS	Top	1.	RELLENO
478	L_E	Top	1.66	None
479	DEAD	Top	1.66	None
479	TIERRAS	Top	1.	RELLENO
479	L_E	Top	1.66	None
480	DEAD	Top	1.66	None
480	TIERRAS	Top	1.	RELLENO
480	L_E	Top	1.66	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
481	DEAD	Top	1.66	None
481	TIERRAS	Top	1.	RELLENO
481	L_E	Top	1.66	None
482	DEAD	Top	1.66	None
482	TIERRAS	Top	1.	RELLENO
482	L_E	Top	1.66	None
483	DEAD	Top	1.66	None
483	TIERRAS	Top	1.	RELLENO
483	L_E	Top	1.66	None
484	DEAD	Top	1.66	None
484	TIERRAS	Top	1.	RELLENO
484	L_E	Top	1.66	None
485	DEAD	Top	1.66	None
485	TIERRAS	Top	1.	RELLENO
485	L_E	Top	1.66	None
486	DEAD	Top	1.66	None
486	TIERRAS	Top	1.	RELLENO
486	L_E	Top	1.66	None
487	DEAD	Top	1.66	None
487	TIERRAS	Top	1.	RELLENO
487	L_E	Top	1.66	None
488	DEAD	Top	1.66	None
488	TIERRAS	Top	1.	RELLENO
488	L_E	Top	1.66	None
489	DEAD	Top	1.66	None
489	TIERRAS	Top	1.	RELLENO
489	L_E	Top	1.66	None
490	DEAD	Top	1.66	None
490	TIERRAS	Top	1.	RELLENO
490	L_E	Top	1.66	None
491	DEAD	Top	1.66	None
491	TIERRAS	Top	1.	RELLENO
491	L_E	Top	1.66	None
492	DEAD	Top	1.66	None
492	TIERRAS	Top	1.	RELLENO
492	L_E	Top	1.66	None
493	DEAD	Top	1.66	None
493	TIERRAS	Top	1.	RELLENO
493	L_E	Top	1.66	None
494	DEAD	Top	1.66	None
494	TIERRAS	Top	1.	RELLENO
494	L_E	Top	1.66	None
495	DEAD	Top	1.66	None
495	TIERRAS	Top	1.	RELLENO
495	L_E	Top	1.66	None
496	DEAD	Top	1.66	None
496	TIERRAS	Top	1.	RELLENO
496	L_E	Top	1.66	None
497	DEAD	Top	1.66	None
497	TIERRAS	Top	1.	RELLENO
497	L_E	Top	1.66	None
498	DEAD	Top	1.66	None
498	TIERRAS	Top	1.	RELLENO
498	L_E	Top	1.66	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
499	DEAD	Top	1.66	None
499	TIERRAS	Top	1.	RELLENO
499	L_E	Top	1.66	None
500	DEAD	Top	1.66	None
500	TIERRAS	Top	1.	RELLENO
500	L_E	Top	1.66	None
501	DEAD	Top	1.66	None
501	TIERRAS	Top	1.	RELLENO
501	L_E	Top	1.66	None
502	DEAD	Top	1.66	None
502	TIERRAS	Top	1.	RELLENO
502	L_E	Top	1.66	None
503	DEAD	Top	1.66	None
503	TIERRAS	Top	1.	RELLENO
503	L_E	Top	1.66	None
504	DEAD	Top	1.66	None
504	TIERRAS	Top	1.	RELLENO
504	L_E	Top	1.66	None
505	DEAD	Top	1.66	None
505	TIERRAS	Top	1.	RELLENO
505	L_E	Top	1.66	None
506	DEAD	Top	1.66	None
506	TIERRAS	Top	1.	RELLENO
506	L_E	Top	1.66	None
507	DEAD	Top	1.66	None
507	TIERRAS	Top	1.	RELLENO
507	L_E	Top	1.66	None
508	DEAD	Top	1.66	None
508	TIERRAS	Top	1.	RELLENO
508	L_E	Top	1.66	None
509	DEAD	Top	1.66	None
509	TIERRAS	Top	1.	RELLENO
509	L_E	Top	1.66	None
510	DEAD	Top	1.66	None
510	TIERRAS	Top	1.	RELLENO
510	L_E	Top	1.66	None
511	DEAD	Top	1.66	None
511	TIERRAS	Top	1.	RELLENO
511	L_E	Top	1.66	None
512	DEAD	Top	1.66	None
512	TIERRAS	Top	1.	RELLENO
512	L_E	Top	1.66	None
513	DEAD	Top	1.66	None
513	TIERRAS	Top	1.	RELLENO
513	L_E	Top	1.66	None
514	DEAD	Top	1.66	None
514	TIERRAS	Top	1.	RELLENO
514	L_E	Top	1.66	None
515	DEAD	Top	1.66	None
515	TIERRAS	Top	1.	RELLENO
515	L_E	Top	1.66	None
516	DEAD	Top	1.66	None
516	TIERRAS	Top	1.	RELLENO
516	L_E	Top	1.66	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
517	DEAD	Top	1.66	None
517	TIERRAS	Top	1.	RELLENO
517	L_E	Top	1.66	None
518	DEAD	Top	1.66	None
518	TIERRAS	Top	1.	RELLENO
518	L_E	Top	1.66	None
519	DEAD	Top	1.66	None
519	TIERRAS	Top	1.	RELLENO
519	L_E	Top	1.66	None
520	DEAD	Top	1.66	None
520	TIERRAS	Top	1.	RELLENO
520	L_E	Top	1.66	None
521	DEAD	Top	1.66	None
521	TIERRAS	Top	1.	RELLENO
521	L_E	Top	1.66	None
522	DEAD	Top	1.66	None
522	TIERRAS	Top	1.	RELLENO
522	L_E	Top	1.66	None
523	DEAD	Top	1.66	None
523	TIERRAS	Top	1.	RELLENO
523	L_E	Top	1.66	None
524	DEAD	Top	1.66	None
524	TIERRAS	Top	1.	RELLENO
524	L_E	Top	1.66	None
525	DEAD	Top	1.66	None
525	TIERRAS	Top	1.	RELLENO
525	L_E	Top	1.66	None
526	DEAD	Top	1.66	None
526	TIERRAS	Top	1.	RELLENO
526	L_E	Top	1.66	None
527	DEAD	Top	1.66	None
527	TIERRAS	Top	1.	RELLENO
527	L_E	Top	1.66	None
528	DEAD	Top	1.66	None
528	TIERRAS	Top	1.	RELLENO
528	L_E	Top	1.66	None
529	DEAD	Top	1.66	None
529	TIERRAS	Top	1.	RELLENO
529	L_E	Top	1.66	None
530	DEAD	Top	1.66	None
530	TIERRAS	Top	1.	RELLENO
530	L_E	Top	1.66	None
531	DEAD	Top	1.66	None
531	TIERRAS	Top	1.	RELLENO
531	L_E	Top	1.66	None
532	DEAD	Top	1.66	None
532	TIERRAS	Top	1.	RELLENO
532	L_E	Top	1.66	None
533	DEAD	Top	1.66	None
533	TIERRAS	Top	1.	RELLENO
533	L_E	Top	1.66	None
534	DEAD	Top	1.66	None
534	TIERRAS	Top	1.	RELLENO
534	L_E	Top	1.66	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
535	DEAD	Top	1.66	None
535	TIERRAS	Top	1.	RELLENO
535	L_E	Top	1.66	None
536	DEAD	Top	1.66	None
536	TIERRAS	Top	1.	RELLENO
536	L_E	Top	1.66	None
537	DEAD	Top	1.66	None
537	TIERRAS	Top	1.	RELLENO
537	L_E	Top	1.66	None
538	DEAD	Top	1.66	None
538	TIERRAS	Top	1.	RELLENO
538	L_E	Top	1.66	None
539	DEAD	Top	1.66	None
539	TIERRAS	Top	1.	RELLENO
539	L_E	Top	1.66	None
540	DEAD	Top	1.66	None
540	TIERRAS	Top	1.	RELLENO
540	L_E	Top	1.66	None
541	DEAD	Top	1.66	None
541	TIERRAS	Top	1.	RELLENO
541	L_E	Top	1.66	None
542	DEAD	Top	1.66	None
542	TIERRAS	Top	1.	RELLENO
542	L_E	Top	1.66	None
543	DEAD	Top	1.66	None
543	TIERRAS	Top	1.	RELLENO
543	L_E	Top	1.66	None
544	DEAD	Top	1.66	None
544	TIERRAS	Top	1.	RELLENO
544	L_E	Top	1.66	None
545	DEAD	Top	1.66	None
545	TIERRAS	Top	1.	RELLENO
545	L_E	Top	1.66	None
546	DEAD	Top	1.66	None
546	TIERRAS	Top	1.	RELLENO
546	L_E	Top	1.66	None
547	DEAD	Top	1.66	None
547	TIERRAS	Top	1.	RELLENO
547	L_E	Top	1.66	None
548	DEAD	Top	1.66	None
548	TIERRAS	Top	1.	RELLENO
548	L_E	Top	1.66	None
549	DEAD	Top	1.66	None
549	TIERRAS	Top	1.	RELLENO
549	L_E	Top	1.66	None
550	DEAD	Top	1.66	None
550	TIERRAS	Top	1.	RELLENO
550	L_E	Top	1.66	None
551	DEAD	Top	1.66	None
551	TIERRAS	Top	1.	RELLENO
551	L_E	Top	1.66	None
552	DEAD	Top	1.66	None
552	TIERRAS	Top	1.	RELLENO
552	L_E	Top	1.66	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
553	DEAD	Top	1.66	None
553	TIERRAS	Top	1.	RELLENO
553	L_E	Top	1.66	None
554	DEAD	Top	1.66	None
554	TIERRAS	Top	1.	RELLENO
554	L_E	Top	1.66	None
555	DEAD	Top	1.66	None
555	TIERRAS	Top	1.	RELLENO
555	L_E	Top	1.66	None
556	DEAD	Top	1.66	None
556	TIERRAS	Top	1.	RELLENO
556	L_E	Top	1.66	None
557	DEAD	Top	1.66	None
557	TIERRAS	Top	1.	RELLENO
557	L_E	Top	1.66	None
558	DEAD	Top	1.66	None
558	TIERRAS	Top	1.	RELLENO
558	L_E	Top	1.66	None
559	DEAD	Top	1.66	None
559	TIERRAS	Top	1.	RELLENO
559	L_E	Top	1.66	None
560	DEAD	Top	1.66	None
560	TIERRAS	Top	1.	RELLENO
560	L_E	Top	1.66	None
561	DEAD	Top	1.66	None
561	TIERRAS	Top	1.	RELLENO
561	L_E	Top	1.66	None
562	DEAD	Top	1.66	None
562	TIERRAS	Top	1.	RELLENO
562	L_E	Top	1.66	None
563	DEAD	Top	1.66	None
563	TIERRAS	Top	1.	RELLENO
563	L_E	Top	1.66	None
564	DEAD	Top	1.66	None
564	TIERRAS	Top	1.	RELLENO
564	L_E	Top	1.66	None
565	DEAD	Top	1.66	None
565	TIERRAS	Top	1.	RELLENO
565	L_E	Top	1.66	None
566	DEAD	Top	1.66	None
566	TIERRAS	Top	1.	RELLENO
566	L_E	Top	1.66	None
567	DEAD	Top	1.66	None
567	TIERRAS	Top	1.	RELLENO
567	L_E	Top	1.66	None
568	DEAD	Top	1.66	None
568	TIERRAS	Top	1.	RELLENO
568	L_E	Top	1.66	None
569	DEAD	Top	1.66	None
569	TIERRAS	Top	1.	RELLENO
569	L_E	Top	1.66	None
570	DEAD	Top	1.66	None
570	TIERRAS	Top	1.	RELLENO
570	L_E	Top	1.66	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
571	DEAD	Top	1.66	None
571	TIERRAS	Top	1.	RELLENO
571	L_E	Top	1.66	None
572	DEAD	Top	1.66	None
572	TIERRAS	Top	1.	RELLENO
572	L_E	Top	1.66	None
573	DEAD	Top	1.66	None
573	TIERRAS	Top	1.	RELLENO
573	L_E	Top	1.66	None
574	DEAD	Top	1.66	None
574	TIERRAS	Top	1.	RELLENO
574	L_E	Top	1.66	None
575	DEAD	Top	1.66	None
575	TIERRAS	Top	1.	RELLENO
575	L_E	Top	1.66	None
576	DEAD	Top	1.66	None
576	TIERRAS	Top	1.	RELLENO
576	L_E	Top	1.66	None
577	DEAD	Top	1.66	None
577	TIERRAS	Top	1.	RELLENO
577	L_E	Top	1.66	None
578	DEAD	Top	1.66	None
578	TIERRAS	Top	1.	RELLENO
578	L_E	Top	1.66	None
579	DEAD	Top	1.66	None
579	TIERRAS	Top	1.	RELLENO
579	L_E	Top	1.66	None
580	DEAD	Top	1.66	None
580	TIERRAS	Top	1.	RELLENO
580	L_E	Top	1.66	None
581	DEAD	Top	1.66	None
581	TIERRAS	Top	1.	RELLENO
581	L_E	Top	1.66	None
582	DEAD	Top	1.66	None
582	TIERRAS	Top	1.	RELLENO
582	L_E	Top	1.66	None
583	DEAD	Top	1.66	None
583	TIERRAS	Top	1.	RELLENO
583	L_E	Top	1.66	None
584	DEAD	Top	1.66	None
584	TIERRAS	Top	1.	RELLENO
584	L_E	Top	1.66	None
585	DEAD	Top	1.66	None
585	TIERRAS	Top	1.	RELLENO
585	L_E	Top	1.66	None
586	DEAD	Top	1.66	None
586	TIERRAS	Top	1.	RELLENO
586	L_E	Top	1.66	None
587	DEAD	Top	1.66	None
587	TIERRAS	Top	1.	RELLENO
587	L_E	Top	1.66	None
588	DEAD	Top	1.33	None
588	TIERRAS	Top	1.	RELLENO
589	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
589	TIERRAS	Top	1.	RELLENO
590	DEAD	Top	1.33	None
590	TIERRAS	Top	1.	RELLENO
591	DEAD	Top	1.33	None
591	TIERRAS	Top	1.	RELLENO
592	DEAD	Top	1.33	None
592	TIERRAS	Top	1.	RELLENO
593	DEAD	Top	1.33	None
593	TIERRAS	Top	1.	RELLENO
594	DEAD	Top	1.33	None
594	TIERRAS	Top	1.	RELLENO
595	DEAD	Top	1.33	None
595	TIERRAS	Top	1.	RELLENO
596	DEAD	Top	1.33	None
596	TIERRAS	Top	1.	RELLENO
597	DEAD	Top	1.33	None
597	TIERRAS	Top	1.	RELLENO
598	DEAD	Top	1.33	None
598	TIERRAS	Top	1.	RELLENO
599	DEAD	Top	1.33	None
599	TIERRAS	Top	1.	RELLENO
600	DEAD	Top	1.33	None
600	TIERRAS	Top	1.	RELLENO
601	DEAD	Top	1.33	None
601	TIERRAS	Top	1.	RELLENO
602	DEAD	Top	1.33	None
602	TIERRAS	Top	1.	RELLENO
603	DEAD	Top	1.33	None
603	TIERRAS	Top	1.	RELLENO
604	DEAD	Top	1.33	None
604	TIERRAS	Top	1.	RELLENO
605	DEAD	Top	1.33	None
605	TIERRAS	Top	1.	RELLENO
606	DEAD	Top	1.33	None
606	TIERRAS	Top	1.	RELLENO
607	DEAD	Top	1.33	None
607	TIERRAS	Top	1.	RELLENO
608	DEAD	Top	1.33	None
608	TIERRAS	Top	1.	RELLENO
609	DEAD	Top	1.33	None
609	TIERRAS	Top	1.	RELLENO
610	DEAD	Top	1.33	None
610	TIERRAS	Top	1.	RELLENO
611	DEAD	Top	1.33	None
611	TIERRAS	Top	1.	RELLENO
612	DEAD	Top	1.33	None
612	TIERRAS	Top	1.	RELLENO
613	DEAD	Top	1.33	None
613	TIERRAS	Top	1.	RELLENO
614	DEAD	Top	1.33	None
614	TIERRAS	Top	1.	RELLENO
615	DEAD	Top	1.33	None
615	TIERRAS	Top	1.	RELLENO
616	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
616	TIERRAS	Top	1.	RELLENO
617	DEAD	Top	1.33	None
617	TIERRAS	Top	1.	RELLENO
618	DEAD	Top	1.33	None
618	TIERRAS	Top	1.	RELLENO
619	DEAD	Top	1.33	None
619	TIERRAS	Top	1.	RELLENO
620	DEAD	Top	1.33	None
620	TIERRAS	Top	1.	RELLENO
621	DEAD	Top	1.33	None
621	TIERRAS	Top	1.	RELLENO
622	DEAD	Top	1.33	None
622	TIERRAS	Top	1.	RELLENO
623	DEAD	Top	1.33	None
623	TIERRAS	Top	1.	RELLENO
624	DEAD	Top	1.33	None
624	TIERRAS	Top	1.	RELLENO
625	DEAD	Top	1.33	None
625	TIERRAS	Top	1.	RELLENO
626	DEAD	Top	1.33	None
626	TIERRAS	Top	1.	RELLENO
627	DEAD	Top	1.33	None
627	TIERRAS	Top	1.	RELLENO
628	DEAD	Top	1.33	None
628	TIERRAS	Top	1.	RELLENO
629	DEAD	Top	1.33	None
629	TIERRAS	Top	1.	RELLENO
630	DEAD	Top	1.33	None
630	TIERRAS	Top	1.	RELLENO
631	DEAD	Top	1.33	None
631	TIERRAS	Top	1.	RELLENO
632	DEAD	Top	1.33	None
632	TIERRAS	Top	1.	RELLENO
633	DEAD	Top	1.33	None
633	TIERRAS	Top	1.	RELLENO
634	DEAD	Top	1.33	None
634	TIERRAS	Top	1.	RELLENO
635	DEAD	Top	1.33	None
635	TIERRAS	Top	1.	RELLENO
636	DEAD	Top	1.33	None
636	TIERRAS	Top	1.	RELLENO
637	DEAD	Top	1.33	None
637	TIERRAS	Top	1.	RELLENO
638	DEAD	Top	1.33	None
638	TIERRAS	Top	1.	RELLENO
639	DEAD	Top	1.33	None
639	TIERRAS	Top	1.	RELLENO
640	DEAD	Top	1.33	None
640	TIERRAS	Top	1.	RELLENO
641	DEAD	Top	1.33	None
641	TIERRAS	Top	1.	RELLENO
642	DEAD	Top	1.33	None
642	TIERRAS	Top	1.	RELLENO
643	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
643	TIERRAS	Top	1.	RELLENO
644	DEAD	Top	1.33	None
644	TIERRAS	Top	1.	RELLENO
645	DEAD	Top	1.33	None
645	TIERRAS	Top	1.	RELLENO
646	DEAD	Top	1.33	None
646	TIERRAS	Top	1.	RELLENO
647	DEAD	Top	1.33	None
647	TIERRAS	Top	1.	RELLENO
648	DEAD	Top	1.33	None
648	TIERRAS	Top	1.	RELLENO
649	DEAD	Top	1.33	None
649	TIERRAS	Top	1.	RELLENO
650	DEAD	Top	1.33	None
650	TIERRAS	Top	1.	RELLENO
651	DEAD	Top	1.33	None
651	TIERRAS	Top	1.	RELLENO
652	DEAD	Top	1.33	None
652	TIERRAS	Top	1.	RELLENO
653	DEAD	Top	1.33	None
653	TIERRAS	Top	1.	RELLENO
654	DEAD	Top	1.33	None
654	TIERRAS	Top	1.	RELLENO
655	DEAD	Top	1.33	None
655	TIERRAS	Top	1.	RELLENO
656	DEAD	Top	1.33	None
656	TIERRAS	Top	1.	RELLENO
657	DEAD	Top	1.33	None
657	TIERRAS	Top	1.	RELLENO
658	DEAD	Top	1.33	None
658	TIERRAS	Top	1.	RELLENO
659	DEAD	Top	1.33	None
659	TIERRAS	Top	1.	RELLENO
660	DEAD	Top	1.33	None
660	TIERRAS	Top	1.	RELLENO
661	DEAD	Top	1.33	None
661	TIERRAS	Top	1.	RELLENO
662	DEAD	Top	1.33	None
662	TIERRAS	Top	1.	RELLENO
663	DEAD	Top	1.33	None
663	TIERRAS	Top	1.	RELLENO
664	DEAD	Top	1.33	None
664	TIERRAS	Top	1.	RELLENO
665	DEAD	Top	1.33	None
665	TIERRAS	Top	1.	RELLENO
666	DEAD	Top	1.33	None
666	TIERRAS	Top	1.	RELLENO
667	DEAD	Top	1.33	None
667	TIERRAS	Top	1.	RELLENO
668	DEAD	Top	1.33	None
668	TIERRAS	Top	1.	RELLENO
669	DEAD	Top	1.33	None
669	TIERRAS	Top	1.	RELLENO
670	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
670	TIERRAS	Top	1.	RELLENO
671	DEAD	Top	1.33	None
671	TIERRAS	Top	1.	RELLENO
672	DEAD	Top	1.33	None
672	TIERRAS	Top	1.	RELLENO
673	DEAD	Top	1.33	None
673	TIERRAS	Top	1.	RELLENO
674	DEAD	Top	1.33	None
674	TIERRAS	Top	1.	RELLENO
675	DEAD	Top	1.33	None
675	TIERRAS	Top	1.	RELLENO
676	DEAD	Top	1.33	None
676	TIERRAS	Top	1.	RELLENO
677	DEAD	Top	1.33	None
677	TIERRAS	Top	1.	RELLENO
678	DEAD	Top	1.33	None
678	TIERRAS	Top	1.	RELLENO
679	DEAD	Top	1.33	None
679	TIERRAS	Top	1.	RELLENO
680	DEAD	Top	1.33	None
680	TIERRAS	Top	1.	RELLENO
681	DEAD	Top	1.33	None
681	TIERRAS	Top	1.	RELLENO
682	DEAD	Top	1.33	None
682	TIERRAS	Top	1.	RELLENO
683	DEAD	Top	1.33	None
683	TIERRAS	Top	1.	RELLENO
684	DEAD	Top	1.33	None
684	TIERRAS	Top	1.	RELLENO
685	DEAD	Top	1.33	None
685	TIERRAS	Top	1.	RELLENO
686	DEAD	Top	1.33	None
686	TIERRAS	Top	1.	RELLENO
687	DEAD	Top	1.33	None
687	TIERRAS	Top	1.	RELLENO
688	DEAD	Top	1.33	None
688	TIERRAS	Top	1.	RELLENO
689	DEAD	Top	1.33	None
689	TIERRAS	Top	1.	RELLENO
690	DEAD	Top	1.33	None
690	TIERRAS	Top	1.	RELLENO
691	DEAD	Top	1.33	None
691	TIERRAS	Top	1.	RELLENO
692	DEAD	Top	1.33	None
692	TIERRAS	Top	1.	RELLENO
693	DEAD	Top	1.33	None
693	TIERRAS	Top	1.	RELLENO
694	DEAD	Top	1.33	None
694	TIERRAS	Top	1.	RELLENO
695	DEAD	Top	1.33	None
695	TIERRAS	Top	1.	RELLENO
696	DEAD	Top	1.33	None
696	TIERRAS	Top	1.	RELLENO
697	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
697	TIERRAS	Top	1.	RELLENO
698	DEAD	Top	1.33	None
698	TIERRAS	Top	1.	RELLENO
699	DEAD	Top	1.33	None
699	TIERRAS	Top	1.	RELLENO
700	DEAD	Top	1.33	None
700	TIERRAS	Top	1.	RELLENO
701	DEAD	Top	1.33	None
701	TIERRAS	Top	1.	RELLENO
702	DEAD	Top	1.33	None
702	TIERRAS	Top	1.	RELLENO
703	DEAD	Top	1.33	None
703	TIERRAS	Top	1.	RELLENO
704	DEAD	Top	1.33	None
704	TIERRAS	Top	1.	RELLENO
705	DEAD	Top	1.33	None
705	TIERRAS	Top	1.	RELLENO
706	DEAD	Top	1.33	None
706	TIERRAS	Top	1.	RELLENO
707	DEAD	Top	1.33	None
707	TIERRAS	Top	1.	RELLENO
708	DEAD	Top	1.33	None
708	TIERRAS	Top	1.	RELLENO
709	DEAD	Top	1.33	None
709	TIERRAS	Top	1.	RELLENO
710	DEAD	Top	1.33	None
710	TIERRAS	Top	1.	RELLENO
711	DEAD	Top	1.33	None
711	TIERRAS	Top	1.	RELLENO
712	DEAD	Top	1.33	None
712	TIERRAS	Top	1.	RELLENO
713	DEAD	Top	1.33	None
713	TIERRAS	Top	1.	RELLENO
714	DEAD	Top	1.33	None
714	TIERRAS	Top	1.	RELLENO
715	DEAD	Top	1.33	None
715	TIERRAS	Top	1.	RELLENO
716	DEAD	Top	1.33	None
716	TIERRAS	Top	1.	RELLENO
717	DEAD	Top	1.33	None
717	TIERRAS	Top	1.	RELLENO
718	DEAD	Top	1.33	None
718	TIERRAS	Top	1.	RELLENO
719	DEAD	Top	1.33	None
719	TIERRAS	Top	1.	RELLENO
720	DEAD	Top	1.33	None
720	TIERRAS	Top	1.	RELLENO
721	DEAD	Top	1.33	None
721	TIERRAS	Top	1.	RELLENO
722	DEAD	Top	1.33	None
722	TIERRAS	Top	1.	RELLENO
723	DEAD	Top	1.33	None
723	TIERRAS	Top	1.	RELLENO
724	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
724	TIERRAS	Top	1.	RELLENO
725	DEAD	Top	1.33	None
725	TIERRAS	Top	1.	RELLENO
726	DEAD	Top	1.33	None
726	TIERRAS	Top	1.	RELLENO
727	DEAD	Top	1.33	None
727	TIERRAS	Top	1.	RELLENO
728	DEAD	Top	1.33	None
728	TIERRAS	Top	1.	RELLENO
729	DEAD	Top	1.33	None
729	TIERRAS	Top	1.	RELLENO
730	DEAD	Top	1.33	None
730	TIERRAS	Top	1.	RELLENO
731	DEAD	Top	1.33	None
731	TIERRAS	Top	1.	RELLENO
732	DEAD	Top	1.33	None
732	TIERRAS	Top	1.	RELLENO
733	DEAD	Top	1.33	None
733	TIERRAS	Top	1.	RELLENO
734	DEAD	Top	1.33	None
734	TIERRAS	Top	1.	RELLENO
735	DEAD	Top	1.33	None
735	TIERRAS	Top	1.	RELLENO
736	DEAD	Top	1.33	None
736	TIERRAS	Top	1.	RELLENO
737	DEAD	Top	1.33	None
737	TIERRAS	Top	1.	RELLENO
738	DEAD	Top	1.33	None
738	TIERRAS	Top	1.	RELLENO
739	DEAD	Top	1.33	None
739	TIERRAS	Top	1.	RELLENO
740	DEAD	Top	1.33	None
740	TIERRAS	Top	1.	RELLENO
741	DEAD	Top	1.33	None
741	TIERRAS	Top	1.	RELLENO
742	DEAD	Top	1.33	None
742	TIERRAS	Top	1.	RELLENO
743	DEAD	Top	1.33	None
743	TIERRAS	Top	1.	RELLENO
744	DEAD	Top	1.33	None
744	TIERRAS	Top	1.	RELLENO
745	DEAD	Top	1.33	None
745	TIERRAS	Top	1.	RELLENO
746	DEAD	Top	1.33	None
746	TIERRAS	Top	1.	RELLENO
747	DEAD	Top	1.33	None
747	TIERRAS	Top	1.	RELLENO
748	DEAD	Top	1.33	None
748	TIERRAS	Top	1.	RELLENO
749	DEAD	Top	1.33	None
749	TIERRAS	Top	1.	RELLENO
750	DEAD	Top	1.33	None
750	TIERRAS	Top	1.	RELLENO
751	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
751	TIERRAS	Top	1.	RELLENO
752	DEAD	Top	1.33	None
752	TIERRAS	Top	1.	RELLENO
753	DEAD	Top	1.33	None
753	TIERRAS	Top	1.	RELLENO
754	DEAD	Top	1.33	None
754	TIERRAS	Top	1.	RELLENO
755	DEAD	Top	1.33	None
755	TIERRAS	Top	1.	RELLENO
756	DEAD	Top	1.33	None
756	TIERRAS	Top	1.	RELLENO
757	DEAD	Top	1.33	None
757	TIERRAS	Top	1.	RELLENO
758	DEAD	Top	1.33	None
758	TIERRAS	Top	1.	RELLENO
759	DEAD	Top	1.33	None
759	TIERRAS	Top	1.	RELLENO
760	DEAD	Top	1.33	None
760	TIERRAS	Top	1.	RELLENO
761	DEAD	Top	1.33	None
761	TIERRAS	Top	1.	RELLENO
762	DEAD	Top	1.33	None
762	TIERRAS	Top	1.	RELLENO
763	DEAD	Top	1.33	None
763	TIERRAS	Top	1.	RELLENO
764	DEAD	Top	1.33	None
764	TIERRAS	Top	1.	RELLENO
765	DEAD	Top	1.33	None
765	TIERRAS	Top	1.	RELLENO
766	DEAD	Top	1.33	None
766	TIERRAS	Top	1.	RELLENO
767	DEAD	Top	1.33	None
767	TIERRAS	Top	1.	RELLENO
768	DEAD	Top	1.33	None
768	TIERRAS	Top	1.	RELLENO
769	DEAD	Top	1.33	None
769	TIERRAS	Top	1.	RELLENO
770	DEAD	Top	1.33	None
770	TIERRAS	Top	1.	RELLENO
771	DEAD	Top	1.33	None
771	TIERRAS	Top	1.	RELLENO
772	DEAD	Top	1.33	None
772	TIERRAS	Top	1.	RELLENO
773	DEAD	Top	1.33	None
773	TIERRAS	Top	1.	RELLENO
774	DEAD	Top	1.33	None
774	TIERRAS	Top	1.	RELLENO
775	DEAD	Top	1.33	None
775	TIERRAS	Top	1.	RELLENO
776	DEAD	Top	1.33	None
776	TIERRAS	Top	1.	RELLENO
777	DEAD	Top	1.33	None
777	TIERRAS	Top	1.	RELLENO
778	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
778	TIERRAS	Top	1.	RELLENO
779	DEAD	Top	1.33	None
779	TIERRAS	Top	1.	RELLENO
780	DEAD	Top	1.33	None
780	TIERRAS	Top	1.	RELLENO
781	DEAD	Top	1.33	None
781	TIERRAS	Top	1.	RELLENO
782	DEAD	Top	1.33	None
782	TIERRAS	Top	1.	RELLENO
783	DEAD	Top	1.33	None
783	TIERRAS	Top	1.	RELLENO
784	DEAD	Top	1.33	None
784	TIERRAS	Top	1.	RELLENO
785	DEAD	Top	1.33	None
785	TIERRAS	Top	1.	RELLENO
786	DEAD	Top	1.33	None
786	TIERRAS	Top	1.	RELLENO
787	DEAD	Top	1.33	None
787	TIERRAS	Top	1.	RELLENO
788	DEAD	Top	1.33	None
788	TIERRAS	Top	1.	RELLENO
789	DEAD	Top	1.33	None
789	TIERRAS	Top	1.	RELLENO
790	DEAD	Top	1.33	None
790	TIERRAS	Top	1.	RELLENO
791	DEAD	Top	1.33	None
791	TIERRAS	Top	1.	RELLENO
792	DEAD	Top	1.33	None
792	TIERRAS	Top	1.	RELLENO
793	DEAD	Top	1.33	None
793	TIERRAS	Top	1.	RELLENO
794	DEAD	Top	1.33	None
794	TIERRAS	Top	1.	RELLENO
795	DEAD	Top	1.33	None
795	TIERRAS	Top	1.	RELLENO
796	DEAD	Top	1.33	None
796	TIERRAS	Top	1.	RELLENO
797	DEAD	Top	1.33	None
797	TIERRAS	Top	1.	RELLENO
798	DEAD	Top	1.33	None
798	TIERRAS	Top	1.	RELLENO
799	DEAD	Top	1.33	None
799	TIERRAS	Top	1.	RELLENO
800	DEAD	Top	1.33	None
800	TIERRAS	Top	1.	RELLENO
801	DEAD	Top	1.33	None
801	TIERRAS	Top	1.	RELLENO
802	DEAD	Top	1.33	None
802	TIERRAS	Top	1.	RELLENO
803	DEAD	Top	1.33	None
803	TIERRAS	Top	1.	RELLENO
804	DEAD	Top	1.33	None
804	TIERRAS	Top	1.	RELLENO
805	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
805	TIERRAS	Top	1.	RELLENO
806	DEAD	Top	1.33	None
806	TIERRAS	Top	1.	RELLENO
807	DEAD	Top	1.33	None
807	TIERRAS	Top	1.	RELLENO
808	DEAD	Top	1.33	None
808	TIERRAS	Top	1.	RELLENO
809	DEAD	Top	1.33	None
809	TIERRAS	Top	1.	RELLENO
810	DEAD	Top	1.33	None
810	TIERRAS	Top	1.	RELLENO
811	DEAD	Top	1.33	None
811	TIERRAS	Top	1.	RELLENO
812	DEAD	Top	1.33	None
812	TIERRAS	Top	1.	RELLENO
813	DEAD	Top	1.33	None
813	TIERRAS	Top	1.	RELLENO
814	DEAD	Top	1.33	None
814	TIERRAS	Top	1.	RELLENO
815	DEAD	Top	1.33	None
815	TIERRAS	Top	1.	RELLENO
816	DEAD	Top	1.33	None
816	TIERRAS	Top	1.	RELLENO
817	DEAD	Top	1.33	None
817	TIERRAS	Top	1.	RELLENO
818	DEAD	Top	1.33	None
818	TIERRAS	Top	1.	RELLENO
819	DEAD	Top	1.33	None
819	TIERRAS	Top	1.	RELLENO
820	DEAD	Top	1.33	None
820	TIERRAS	Top	1.	RELLENO
821	DEAD	Top	1.33	None
821	TIERRAS	Top	1.	RELLENO
822	DEAD	Top	1.33	None
822	TIERRAS	Top	1.	RELLENO
823	DEAD	Top	1.33	None
823	TIERRAS	Top	1.	RELLENO
824	DEAD	Top	1.33	None
824	TIERRAS	Top	1.	RELLENO
825	DEAD	Top	1.33	None
825	TIERRAS	Top	1.	RELLENO
826	DEAD	Top	1.33	None
826	TIERRAS	Top	1.	RELLENO
827	DEAD	Top	1.33	None
827	TIERRAS	Top	1.	RELLENO
828	DEAD	Top	1.33	None
828	TIERRAS	Top	1.	RELLENO
829	DEAD	Top	1.33	None
829	TIERRAS	Top	1.	RELLENO
830	DEAD	Top	1.33	None
830	TIERRAS	Top	1.	RELLENO
831	DEAD	Top	1.33	None
831	TIERRAS	Top	1.	RELLENO
832	DEAD	Top	1.33	None

**Table 20: Area Loads - Surface Pressure**

Area	LoadPat	Face	Pressure KN/m2	JtPattern
832	TIERRAS	Top	1.	RELLENO
833	DEAD	Top	1.33	None
833	TIERRAS	Top	1.	RELLENO
834	DEAD	Top	1.33	None
834	TIERRAS	Top	1.	RELLENO
835	DEAD	Top	1.33	None
835	TIERRAS	Top	1.	RELLENO
836	DEAD	Top	1.33	None
836	TIERRAS	Top	1.	RELLENO
837	DEAD	Top	1.33	None
837	TIERRAS	Top	1.	RELLENO
838	DEAD	Top	1.33	None
838	TIERRAS	Top	1.	RELLENO
839	DEAD	Top	1.33	None
839	TIERRAS	Top	1.	RELLENO
1	DEAD	Top	1.33	None
1	TIERRAS	Top	1.	RELLENO
2	DEAD	Top	1.33	None
2	TIERRAS	Top	1.	RELLENO
3	DEAD	Top	1.33	None
3	TIERRAS	Top	1.	RELLENO
4	DEAD	Top	1.33	None
4	TIERRAS	Top	1.	RELLENO

## 8. Structure results

This section provides structure results, including items such as structural periods and base reactions.

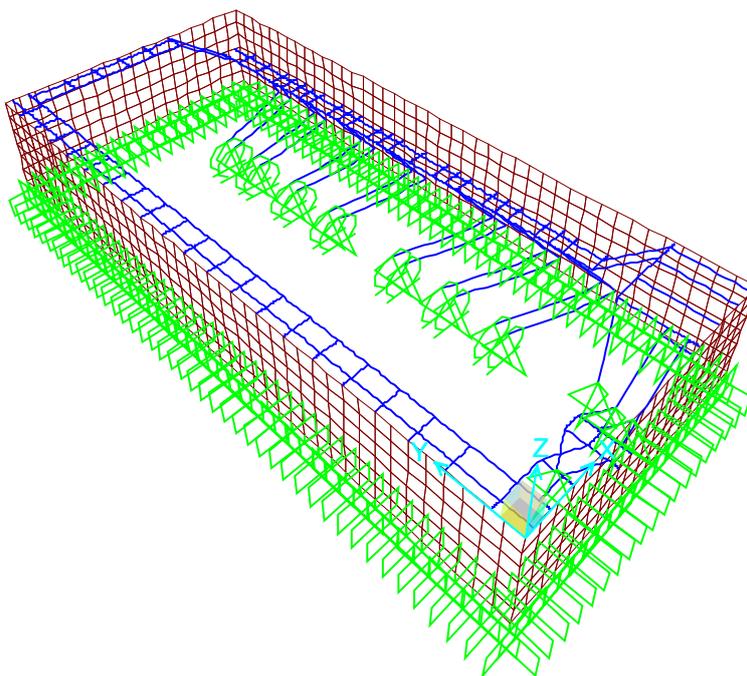


Figure 2: Deformed shape

Table 21: Joint Reactions

Table 21: Joint Reactions									
Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m	M3 KN-m	
14	DEAD	LinStatic	2.176	-6.015E-05	42.042	0.	0.	0.	
14	W0_1	LinStatic	0.025	7.669E-05	0.123	0.	0.	0.	
14	W0_2	LinStatic	-0.092	6.197E-05	-0.224	0.	0.	0.	
14	W180_1	LinStatic	0.175	5.088E-05	0.533	0.	0.	0.	
14	W180_2	LinStatic	0.077	3.824E-05	0.244	0.	0.	0.	
14	W90	LinStatic	0.091	3.741E-05	0.27	0.	0.	0.	
14	W270	LinStatic	0.079	-5.789E-05	0.195	0.	0.	0.	
14	SNOW	LinStatic	-0.07	-8.403E-06	-0.204	0.	0.	0.	
14	L_G1	LinStatic	-0.056	-6.722E-06	-0.163	0.	0.	0.	
14	P_+x	LinStatic	-0.066	-3.053E-06	-0.184	0.	0.	0.	
14	P_-x	LinStatic	-0.011	-1.330E-06	-0.032	0.	0.	0.	
14	P_+y	LinStatic	-0.029	-2.258E-06	-0.081	0.	0.	0.	
14	P_-y	LinStatic	-0.02	2.147E-06	-0.054	0.	0.	0.	
14	L_C	LinStatic	6.258E-03	4.434E-07	0.023	0.	0.	0.	
14	Imp_x	LinStatic	-8.724E-03	-4.080E-07	-0.01	0.	0.	0.	
14	Imp_y	LinStatic	-2.648E-04	-5.726E-03	7.899E-05	0.	0.	0.	
14	TIERRAS	LinStatic	0.644	-7.543E-04	1.371	0.	0.	0.	
14	SDEAD	LinStatic	2.440E-03	2.770E-07	0.017	0.	0.	0.	
14	TFCO_G1	LinStatic	11.107	7.156E-05	122.477	0.	0.	0.	
14	TFCO_G2	LinStatic	7.425	-3.437E-06	175.339	0.	0.	0.	
14	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.	
14	Tº	LinStatic	0.	0.	0.	0.	0.	0.	
14	L_E	LinStatic	0.748	5.266E-06	4.408	0.	0.	0.	
14	CG	LinStatic	3.09	1.400E-04	47.06	0.	0.	0.	
14	CG_DEAD	LinStatic	2.176	-6.015E-05	42.042	0.	0.	0.	
199	DEAD	LinStatic	16.872	-17.394	149.924	3.5488	2.6079	1.4889	

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
199	W0_1	LinStatic	-2.95	-1.323	-12.362	-7.7689	-1.4985	-12.4711
199	W0_2	LinStatic	-2.053	-2.075	-4.193	-5.616	-1.758	-8.1712
199	W180_1	LinStatic	0.469	-0.85	5.675	-0.8893	-0.0859	-1.4203
199	W180_2	LinStatic	1.237	-1.403	12.005	0.9162	-0.357	2.2952
199	W90	LinStatic	0.338	2.884	-8.854	1.245	0.4388	2.2516
199	W270	LinStatic	-0.114	-0.549	0.936	-1.3441	-0.821	-1.2044
199	SNOW	LinStatic	0.468	-0.334	4.15	1.246	-0.1386	2.4845
199	L_G1	LinStatic	0.374	-0.267	3.32	0.9968	-0.1109	1.9877
199	P_+x	LinStatic	-0.074	-0.897	6.193	0.3322	-0.1267	0.4586
199	P_-x	LinStatic	1.574	-2.632	23.766	1.8087	0.4716	2.0636
199	P_+y	LinStatic	1.176	-2.748	21.907	0.9423	0.0169	1.1208
199	P_-y	LinStatic	0.116	-0.863	6.956	0.6086	0.1116	0.6331
199	L_C	LinStatic	0.27	-0.016	0.524	-0.1285	0.056	-0.2364
199	Imp_x	LinStatic	-0.2	-5.204E-03	-0.496	-0.0505	-0.0206	-0.1265
199	Imp_y	LinStatic	-0.014	-0.178	0.389	7.347E-04	0.0178	-0.0997
199	TIERRAS	LinStatic	-50.089	53.103	-147.442	-3.4272	0.8086	-4.1623
199	SDEAD	LinStatic	5.428	-5.71	42.723	1.0057	0.9026	0.0461
199	TFCO_G1	LinStatic	-0.028	-8.332E-03	-0.073	-0.0093	-0.0024	-0.0193
199	TFCO_G2	LinStatic	-0.028	-0.013	-0.057	-0.0092	-0.0016	-0.0225
199	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
199	T°	LinStatic	0.	0.	0.	0.	0.	0.
199	L_E	LinStatic	1.342	-0.81	4.925	-0.9554	-0.8639	-0.0152
199	CG	LinStatic	18.67	-29.008	211.551	-6.0544	-1.9469	-10.7221
199	CG_DEAD	LinStatic	16.872	-17.394	149.924	3.5488	2.6079	1.4889
200	DEAD	LinStatic	2.261	5.581	127.96	-14.5548	0.1662	4.3024
200	W0_1	LinStatic	-6.367	-4.24	2.977	12.1295	-0.6028	-2.6684
200	W0_2	LinStatic	-4.956	-3.755	3.208	9.4798	-0.4965	-2.9401
200	W180_1	LinStatic	3.064	-1.692	-1.987	3.9883	0.3527	-2.7808
200	W180_2	LinStatic	4.173	-1.273	-1.485	1.6794	0.4355	-2.9867
200	W90	LinStatic	0.021	2.984	-3.637	-6.4075	-0.1049	4.2242
200	W270	LinStatic	-0.229	-1.43	-2.036	3.2064	-0.0475	-1.7779
200	SNOW	LinStatic	0.743	0.283	0.04	-1.5377	0.0596	-0.1539
200	L_G1	LinStatic	0.594	0.226	0.032	-1.2302	0.0477	-0.1231
200	P_+x	LinStatic	-1.521	0.067	-1.138	-0.2187	-0.1219	0.1401
200	P_-x	LinStatic	1.098	0.226	-1.509	-0.7141	0.1094	-0.3027
200	P_+y	LinStatic	-0.085	0.112	-0.716	-0.3815	-0.017	-0.0641
200	P_-y	LinStatic	-0.762	0.083	-1.209	-0.1933	-0.0263	-0.0256
200	L_C	LinStatic	0.189	-0.13	2.04	0.5939	0.0131	-0.2897
200	Imp_x	LinStatic	-0.364	-9.123E-03	0.026	0.0386	-0.0323	0.0353
200	Imp_y	LinStatic	-3.038E-03	-0.161	-9.363E-03	0.4144	-9.782E-05	-0.1085
200	TIERRAS	LinStatic	-15.538	145.241	23.881	-223.7768	-1.1924	60.4798
200	SDEAD	LinStatic	1.547	-0.063	29.834	0.1148	0.1022	0.2323
200	TFCO_G1	LinStatic	-0.074	-0.058	-0.036	0.1216	-0.0054	-0.2612
200	TFCO_G2	LinStatic	-0.074	-0.059	-0.037	0.1268	-0.0054	-0.2612
200	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
200	T°	LinStatic	0.	0.	0.	0.	0.	0.
200	L_E	LinStatic	1.8	-0.386	5.572	-3.8396	0.1382	-0.0763
200	CG	LinStatic	-0.572	-3.57	128.082	3.2301	-0.1423	-5.3993
200	CG_DEAD	LinStatic	2.261	5.581	127.96	-14.5548	0.1662	4.3024
201	DEAD	LinStatic	-0.037	5.35	129.283	-13.0981	0.0184	-4.814
201	W0_1	LinStatic	-5.01	-3.166	-2.285	7.7286	-0.5382	5.8911
201	W0_2	LinStatic	-4.956	-2.912	-1.413	6.1673	-0.5476	5.4966
201	W180_1	LinStatic	4.471	-2.188	1.623	5.902	0.5323	1.3018

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
201	W180_2	LinStatic	4.372	-1.948	2.246	4.4806	0.5128	0.9997
201	W90	LinStatic	-0.844	3.11	-4.829	-6.6109	-0.2181	-3.7248
201	W270	LinStatic	-0.41	-1.371	-2.405	2.9285	-0.0788	1.9122
201	SNOW	LinStatic	-6.984E-03	0.153	0.448	-0.9274	-0.005	-0.2242
201	L_G1	LinStatic	-5.573E-03	0.122	0.359	-0.742	-0.004	-0.1794
201	P_+x	LinStatic	-0.907	0.176	-1.222	-0.4842	-0.1284	0.2374
201	P_-x	LinStatic	1.623	0.077	-1.295	-0.255	0.1112	-0.1867
201	P_+y	LinStatic	0.626	0.093	-1.536	-0.2644	-0.0114	0.0151
201	P_-y	LinStatic	0.222	0.099	-0.417	-0.2197	0.0243	0.0917
201	L_C	LinStatic	1.041	-0.233	1.918	1.0387	0.0992	-0.1108
201	Imp_x	LinStatic	-0.395	0.015	-0.091	-0.069	-0.0358	0.0335
201	Imp_y	LinStatic	-1.576E-03	-0.162	-3.681E-03	0.4134	-2.260E-04	0.1015
201	TIERRAS	LinStatic	15.551	145.374	23.715	-224.0667	1.1445	-59.8854
201	SDEAD	LinStatic	-0.95	4.735E-03	29.206	0.1148	-0.0651	0.1132
201	TFCO_G1	LinStatic	-0.136	-0.371	-2.054E-03	0.9624	-0.0101	-0.8802
201	TFCO_G2	LinStatic	-0.137	-0.373	-5.617E-03	0.9637	-0.0102	-0.8826
201	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
201	Tº	LinStatic	0.	0.	0.	0.	0.	0.
201	L_E	LinStatic	2.184	-0.784	6.738	-1.433	0.1541	-0.8131
201	CG	LinStatic	2.367	-3.543	126.855	4.9529	-0.0754	6.0721
201	CG_DEAD	LinStatic	-0.037	5.35	129.283	-13.0981	0.0184	-4.814
202	DEAD	LinStatic	-16.488	-16.265	151.953	2.0508	-3.3918	2.2506
202	W0_1	LinStatic	-0.806	-0.402	4.931	-0.6639	-0.4732	1.5107
202	W0_2	LinStatic	-1.055	-1.069	8.842	0.4395	-0.3841	-0.4302
202	W180_1	LinStatic	1.746	-1.103	-6.652	-4.9194	1.9433	6.3963
202	W180_2	LinStatic	1.482	-1.435	-3.006	-3.9383	1.9812	4.63
202	W90	LinStatic	0.415	4.552	-18.619	2.4615	-1.6537	-2.8123
202	W270	LinStatic	0.28	-0.893	1.97	-0.4871	0.2665	0.7246
202	SNOW	LinStatic	-0.234	-0.672	3.949	0.7167	0.0645	-1.2173
202	L_G1	LinStatic	-0.187	-0.537	3.159	0.5734	0.0516	-0.9738
202	P_+x	LinStatic	-1.447	-2.664	23.22	1.652	-0.5175	-1.6663
202	P_-x	LinStatic	0.137	-0.921	6.201	0.4107	0.0745	-0.4768
202	P_+y	LinStatic	-0.122	-0.945	7.289	0.8038	-0.2237	-0.768
202	P_-y	LinStatic	-1.121	-2.549	21.205	0.8512	-0.081	-0.901
202	L_C	LinStatic	0.076	-2.206	8.487	-0.6945	0.2033	1.6267
202	Imp_x	LinStatic	-0.217	0.012	0.556	0.0805	-0.0211	-0.1859
202	Imp_y	LinStatic	0.011	-0.229	0.555	0.0108	-0.0148	0.0966
202	TIERRAS	LinStatic	50.071	53.057	-148.317	-3.3179	-0.9	3.9838
202	SDEAD	LinStatic	-4.973	-0.64	23.347	-0.1239	-1.0077	0.5851
202	TFCO_G1	LinStatic	0.186	-0.854	2.492	-0.045	-0.2131	1.1386
202	TFCO_G2	LinStatic	0.187	-0.842	2.468	-0.0476	-0.2112	1.1385
202	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
202	Tº	LinStatic	0.	0.	0.	0.	0.	0.
202	L_E	LinStatic	2.202	-1.122	-3.265	-0.8777	-2.1585	6.1233
202	CG	LinStatic	-14.935	-27.694	206.505	-2.1946	-4.3502	14.9902
202	CG_DEAD	LinStatic	-16.488	-16.265	151.953	2.0508	-3.3918	2.2506
204	DEAD	LinStatic	17.534	17.518	154.761	-3.693	2.8568	-1.5073
204	W0_1	LinStatic	-2.912	1.131	-12.826	8.1424	-1.9349	12.3127
204	W0_2	LinStatic	-2.074	1.821	-4.754	5.8744	-2.1248	7.9457
204	W180_1	LinStatic	0.253	0.905	4.987	0.9631	-0.1009	1.6188
204	W180_2	LinStatic	1.102	1.391	12.08	-1.3216	-0.1326	-2.5959
204	W90	LinStatic	0.271	0.554	2.808	0.8305	-0.485	0.6898
204	W270	LinStatic	0.728	-2.784	-6.755	-1.998	1.0734	-2.6737

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
204	SNOW	LinStatic	0.416	0.303	3.851	-1.1588	-0.1797	-2.3754
204	L_G1	LinStatic	0.333	0.242	3.081	-0.9271	-0.1437	-1.9003
204	P_+x	LinStatic	-0.122	0.89	6.133	-0.3937	-0.1044	-0.5123
204	P_-x	LinStatic	1.605	2.633	23.923	-1.9643	0.6351	-2.0862
204	P_+y	LinStatic	1.115	2.424	20.604	-0.8001	-0.0099	-0.9956
204	P_-y	LinStatic	0.191	1.012	7.933	-0.9444	0.3479	-0.8174
204	L_C	LinStatic	4.952E-03	8.659E-03	0.033	-1.522E-04	7.219E-04	0.0015
204	Imp_x	LinStatic	-0.19	6.306E-03	-0.452	0.04	-0.0115	0.1198
204	Imp_y	LinStatic	0.013	-0.178	-0.389	2.257E-04	-0.0184	-0.1012
204	TIERRAS	LinStatic	-50.061	-52.909	-147.363	3.5579	0.7978	4.3067
204	SDEAD	LinStatic	6.057	5.85	47.314	-0.9752	1.0234	0.04
204	TFCO_G1	LinStatic	1.232	0.063	3.305	0.1713	0.3445	0.3981
204	TFCO_G2	LinStatic	-2.536	-0.034	-6.851	-0.0891	-0.5991	-0.2204
204	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
204	Tº	LinStatic	0.	0.	0.	0.	0.	0.
204	L_E	LinStatic	1.838	0.839	7.455	0.0959	-0.1791	-0.4811
204	CG	LinStatic	19.949	28.646	220.234	3.6324	-0.3374	8.5236
204	CG_DEAD	LinStatic	17.534	17.518	154.761	-3.693	2.8568	-1.5073
215	DEAD	LinStatic	2.3	-5.619	129.059	14.0385	0.1773	-4.2353
215	W0_1	LinStatic	-6.541	4.236	3.442	-11.8085	-0.7576	3.1977
215	W0_2	LinStatic	-5.226	3.749	3.387	-9.0705	-0.6277	3.2322
215	W180_1	LinStatic	2.345	1.733	-2.249	-3.9115	0.3339	2.5797
215	W180_2	LinStatic	3.929	1.266	-2.185	-1.2988	0.5122	2.685
215	W90	LinStatic	1.089	1.41	-2.195	-3.1601	0.0844	2.2343
215	W270	LinStatic	1.717	-3.034	-3.997	6.0597	0.1399	-3.7423
215	SNOW	LinStatic	0.567	-0.265	0.057	1.5243	0.0473	-0.0079
215	L_G1	LinStatic	0.454	-0.212	0.046	1.2194	0.0378	-0.0063
215	P_+x	LinStatic	-1.674	-0.078	-1.319	0.2471	-0.1315	-0.1768
215	P_-x	LinStatic	1.253	-0.225	-1.605	0.6432	0.1584	0.2861
215	P_+y	LinStatic	-0.454	-0.114	-0.566	0.2745	-0.0853	0.0664
215	P_-y	LinStatic	-0.342	-0.096	-1.545	0.2312	0.065	0.0614
215	L_C	LinStatic	0.016	2.122E-03	0.011	-0.0107	0.0012	0.0123
215	Imp_x	LinStatic	-0.327	8.403E-03	0.022	-0.0388	-0.0274	-0.0259
215	Imp_y	LinStatic	2.194E-03	-0.163	7.597E-03	0.4279	9.638E-05	-0.121
215	TIERRAS	LinStatic	-15.328	-145.333	23.517	223.5815	-1.1372	-60.1044
215	SDEAD	LinStatic	0.899	0.059	30.961	-0.1394	0.0712	-0.222
215	TFCO_G1	LinStatic	5.407	0.232	3.488	-2.2965	0.385	1.7821
215	TFCO_G2	LinStatic	-5.908	-0.03	-2.715	0.2879	-0.4367	-0.1575
215	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
215	Tº	LinStatic	0.	0.	0.	0.	0.	0.
215	L_E	LinStatic	3.583	0.469	6.897	0.7647	0.2643	1.16
215	CG	LinStatic	2.563	3.433	127.192	-5.4769	0.1818	7.3528
215	CG_DEAD	LinStatic	2.3	-5.619	129.059	14.0385	0.1773	-4.2353
216	DEAD	LinStatic	-0.144	-5.546	131.956	13.0892	-0.0159	4.411
216	W0_1	LinStatic	-4.476	3.464	-1.339	-8.3009	-0.5748	-5.1611
216	W0_2	LinStatic	-4.473	3.092	-0.62	-5.9937	-0.5484	-4.8709
216	W180_1	LinStatic	2.822	2.145	-0.029	-4.9399	0.3388	-1.0851
216	W180_2	LinStatic	3.2	1.828	0.94	-2.8459	0.427	-0.7426
216	W90	LinStatic	1.069	1.675	-1.338	-4.1311	0.0504	-1.3433
216	W270	LinStatic	1.582	-2.892	-3.037	4.5988	0.0867	3.7333
216	SNOW	LinStatic	-0.17	-0.217	0.333	1.3149	-0.0103	0.1357
216	L_G1	LinStatic	-0.136	-0.174	0.266	1.0519	-0.0082	0.1085
216	P_+x	LinStatic	-1.272	-0.211	-1.584	0.577	-0.1649	-0.2818

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
216	P_x	LinStatic	1.644	-0.078	-1.329	0.2495	0.1239	0.1924
216	P_y	LinStatic	0.285	-0.11	-1.634	0.202	-0.0731	-0.0607
216	P_y	LinStatic	0.474	-0.084	-0.454	0.2945	0.087	-0.0054
216	L_C	LinStatic	0.024	0.011	0.031	-0.0648	0.0017	0.0087
216	Imp_x	LinStatic	-0.333	-0.011	-0.045	0.0528	-0.028	-0.0251
216	Imp_y	LinStatic	2.865E-03	-0.169	5.820E-03	0.4576	2.797E-04	0.109
216	TIERRAS	LinStatic	15.57	-145.437	23.492	224.198	1.152	59.8142
216	SDEAD	LinStatic	-0.654	-0.012	29.693	-0.1489	-0.0497	-0.1436
216	TFCO_G1	LinStatic	13.201	1.352	24.822	-9.3807	0.9362	0.6202
216	TFCO_G2	LinStatic	-6.519	-0.276	15.357	1.0534	-0.5039	-0.3646
216	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
216	Tº	LinStatic	0.	0.	0.	0.	0.	0.
216	L_E	LinStatic	3.692	0.792	5.988	-1.0328	0.2856	0.6729
216	CG	LinStatic	4.254	3.866	127.884	-6.9832	0.014	-4.3967
216	CG_DEAD	LinStatic	-0.144	-5.546	131.956	13.0892	-0.0159	4.411
217	DEAD	LinStatic	-17.426	13.846	145.072	-2.2756	-3.7106	-1.2729
217	W0_1	LinStatic	-0.48	1.563	7.319	2.2205	0.2362	-3.6295
217	W0_2	LinStatic	-0.93	2.564	14.498	0.7192	0.6588	-0.4448
217	W180_1	LinStatic	1.275	0.903	-3.794	4.7606	2.3024	-5.324
217	W180_2	LinStatic	0.938	1.87	2.694	3.6609	2.8809	-2.6191
217	W90	LinStatic	0.852	1.194	-0.915	2.1373	0.6388	-3.369
217	W270	LinStatic	0.89	-4.591	-21.33	-1.3842	-2.0884	-0.0021
217	SNOW	LinStatic	-0.307	0.632	4.627	-0.9462	0.1776	1.87
217	L_G1	LinStatic	-0.245	0.505	3.701	-0.757	0.1421	1.4959
217	P_x	LinStatic	-1.592	2.649	23.941	-1.9434	-0.6879	1.9618
217	P_x	LinStatic	0.121	0.903	6.199	-0.4155	0.0799	0.5076
217	P_y	LinStatic	-0.205	0.89	7.628	-1.0066	-0.433	0.8333
217	P_y	LinStatic	-1.091	2.729	21.44	-0.699	0.1333	0.9144
217	L_C	LinStatic	0.02	9.931E-03	-0.071	0.0252	-0.0485	-0.1212
217	Imp_x	LinStatic	-0.197	-8.006E-03	0.487	-0.0457	-0.0072	0.1398
217	Imp_y	LinStatic	-0.013	-0.205	-0.479	0.0011	0.0209	0.1145
217	TIERRAS	LinStatic	50.101	-53.111	-148.988	3.3432	-0.6974	-3.6768
217	SDEAD	LinStatic	-5.396	0.924	28.766	0.1206	-1.0565	-0.6106
217	TFCO_G1	LinStatic	-0.61	5.929	29.881	1.5745	-3.5732	-11.2266
217	TFCO_G2	LinStatic	-12.785	3.489	68.898	-1.9786	-0.8993	5.146
217	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
217	Tº	LinStatic	0.	0.	0.	0.	0.	0.
217	L_E	LinStatic	5.439	1.	-11.812	2.0963	-1.985	-9.1926
217	CG	LinStatic	-12.495	26.163	195.495	6.9496	-1.8455	-19.8882
217	CG_DEAD	LinStatic	-17.426	13.846	145.072	-2.2756	-3.7106	-1.2729
219	DEAD	LinStatic	6.343	1.735	103.065	-0.1277	10.1476	-5.8602
219	W0_1	LinStatic	0.709	1.27	-9.169	0.0758	2.2595	-0.0816
219	W0_2	LinStatic	-0.694	2.683	-0.154	-0.0223	-15.2895	4.6051
219	W180_1	LinStatic	1.696	0.642	-9.049	0.0935	26.5949	-6.9465
219	W180_2	LinStatic	0.498	2.003	-0.541	0.0013	12.1341	-3.1417
219	W90	LinStatic	1.155	0.302	-5.365	0.1909	13.888	-3.3399
219	W270	LinStatic	1.012	-3.995	-11.201	-0.0094	12.2973	-3.2534
219	SNOW	LinStatic	-0.814	0.851	5.538	-0.0607	-10.4159	2.7897
219	L_G1	LinStatic	-0.651	0.681	4.43	-0.0485	-8.3324	2.2317
219	P_x	LinStatic	-0.832	1.289	13.891	-0.0926	-10.4864	3.4766
219	P_x	LinStatic	-0.163	0.415	4.864	-0.0302	-1.8175	0.7112
219	P_y	LinStatic	-0.269	0.404	4.717	-0.0368	-4.6993	1.4987
219	P_y	LinStatic	-0.4	1.277	14.128	-0.0705	-3.3016	1.3821

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
219	L_C	LinStatic	0.058	0.103	-9.732E-03	-0.0097	0.6855	-0.7412
219	Imp_x	LinStatic	-0.176	0.016	2.623E-04	-0.0011	-0.6214	0.2262
219	Imp_y	LinStatic	-9.961E-03	-0.276	-0.028	0.0153	-0.0552	-0.0059
219	TIERRAS	LinStatic	143.073	-29.508	15.439	2.1759	230.6951	-88.3916
219	SDEAD	LinStatic	-0.067	-0.207	0.869	0.0056	-0.0435	-0.2406
219	TFCO_G1	LinStatic	4.026	1.331	12.74	-0.0498	22.0594	1.993
219	TFCO_G2	LinStatic	-4.67	3.876	7.484	-0.2528	-26.6914	5.2388
219	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
219	Tº	LinStatic	0.	0.	0.	0.	0.	0.
219	L_E	LinStatic	12.35	-0.392	4.45	0.0508	33.0225	-10.1212
219	CG	LinStatic	20.648	8.588	115.163	-0.0474	65.0193	-19.0223
219	CG_DEAD	LinStatic	6.343	1.735	103.065	-0.1277	10.1476	-5.8602
220	DEAD	LinStatic	8.126	2.884	103.077	-0.2543	19.4107	-4.0331
220	W0_1	LinStatic	0.464	-4.960E-03	-13.811	0.088	-0.105	1.4703
220	W0_2	LinStatic	-1.591	-0.024	-4.296	0.0848	-21.9587	1.3898
220	W180_1	LinStatic	2.725	1.339	-10.072	-0.0367	33.3843	-1.4761
220	W180_2	LinStatic	1.04	1.284	-0.772	-0.0327	15.5379	-1.5688
220	W90	LinStatic	1.537	1.244	-11.009	0.1714	15.7103	0.8179
220	W270	LinStatic	1.36	-3.062	-6.294	-0.0647	13.9775	1.0976
220	SNOW	LinStatic	-1.207	0.1	6.005	-0.0131	-12.9571	0.0124
220	L_G1	LinStatic	-0.966	0.08	4.804	-0.0105	-10.3654	0.0099
220	P_+x	LinStatic	-1.361	0.909	14.015	-0.0743	-13.0372	0.4177
220	P_-x	LinStatic	-0.276	0.283	5.039	-0.0236	-2.3353	0.1057
220	P_+y	LinStatic	-0.504	0.22	4.788	-0.0298	-5.7344	0.2514
220	P_-y	LinStatic	-0.627	0.974	14.249	-0.049	-4.4926	0.2213
220	L_C	LinStatic	0.394	1.253	1.584	-0.0922	3.5377	-1.8221
220	Imp_x	LinStatic	-0.221	2.363E-03	-0.032	-1.424E-04	-0.865	0.1064
220	Imp_y	LinStatic	-2.501E-03	-0.272	0.042	0.0131	-0.0159	-0.0089
220	TIERRAS	LinStatic	162.951	-12.904	9.519	0.9437	312.5699	-27.9297
220	SDEAD	LinStatic	-0.012	0.842	-0.786	-0.0602	-0.009	-0.0456
220	TFCO_G1	LinStatic	1.243	-2.102	2.551	0.0793	10.6383	5.4741
220	TFCO_G2	LinStatic	-1.684	0.254	0.629	-0.0836	-8.8144	-6.1299
220	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
220	Tº	LinStatic	0.	0.	0.	0.	0.	0.
220	L_E	LinStatic	12.629	-0.732	8.441	0.0468	41.5597	-1.6802
220	CG	LinStatic	22.71	6.669	110.943	-0.2795	82.4978	-4.7964
220	CG_DEAD	LinStatic	8.126	2.884	103.077	-0.2543	19.4107	-4.0331
222	DEAD	LinStatic	9.376	2.447	116.575	-0.192	28.1339	-2.0577
222	W0_1	LinStatic	-0.244	0.494	-17.536	-0.0971	-5.5062	1.884
222	W0_2	LinStatic	-1.428	0.358	-10.183	-0.0923	-19.8274	0.7927
222	W180_1	LinStatic	2.25	0.783	-3.46	-0.0819	29.0706	-0.9958
222	W180_2	LinStatic	1.258	0.27	2.969	-0.0437	16.9494	-1.8352
222	W90	LinStatic	0.543	0.966	-6.623	0.2942	6.3862	2.3335
222	W270	LinStatic	0.302	-1.62	-14.952	-0.2282	3.5976	2.3843
222	SNOW	LinStatic	-0.721	0.078	5.45	-0.0124	-8.6484	-0.5262
222	L_G1	LinStatic	-0.577	0.063	4.36	-0.01	-6.9184	-0.4209
222	P_+x	LinStatic	-1.062	0.297	14.002	-0.0311	-10.4445	-0.1882
222	P_-x	LinStatic	-0.236	0.078	5.165	-0.0078	-2.0608	-0.0054
222	P_+y	LinStatic	-0.403	0.071	4.28	-0.0234	-4.5304	-0.0319
222	P_-y	LinStatic	-0.571	0.307	15.156	0.0085	-4.4335	0.052
222	L_C	LinStatic	1.198	1.425	8.893	-0.0797	9.6121	-1.8574
222	Imp_x	LinStatic	-0.248	3.417E-03	-0.088	-5.555E-04	-1.036	0.0737
222	Imp_y	LinStatic	-8.667E-04	-0.252	-0.069	0.0091	-0.0057	-0.0035

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m	M3 KN-m
222	TIERRAS	LinStatic	166.721	-3.292	4.716	0.2402	329.4095	-5.2744
222	SDEAD	LinStatic	-2.531E-03	0.273	-0.318	-0.0196	-0.0018	-0.0081
222	TFCO_G1	LinStatic	0.248	-0.128	-0.373	0.0018	2.5616	2.6003
222	TFCO_G2	LinStatic	-0.33	0.619	-0.803	-0.0517	-1.8863	-1.7213
222	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
222	T°	LinStatic	0.	0.	0.	0.	0.	0.
222	L_E	LinStatic	11.973	-0.407	7.889	0.0293	41.2087	2.1162
222	CG	LinStatic	22.236	5.547	127.624	-0.5577	79.5073	2.0648
222	CG_DEAD	LinStatic	9.376	2.447	116.575	-0.192	28.1339	-2.0577
223	DEAD	LinStatic	9.545	0.1	120.761	-0.0132	30.2557	0.4006
223	W0_1	LinStatic	-0.716	-0.07	-14.19	-0.0928	-10.4928	1.2232
223	W0_2	LinStatic	-1.959	5.716E-04	-6.938	-0.0915	-24.5255	1.2231
223	W180_1	LinStatic	3.169	-0.596	-4.25	-0.0552	36.6929	-1.8803
223	W180_2	LinStatic	2.122	-0.873	-0.167	-0.0228	24.3729	-1.7575
223	W90	LinStatic	-0.023	1.258	-10.844	0.2939	0.009	1.4387
223	W270	LinStatic	-0.209	-0.671	-8.425	-0.3007	-2.2108	1.1645
223	SNOW	LinStatic	-0.81	0.098	6.011	-0.0068	-8.8008	0.0624
223	L_G1	LinStatic	-0.648	0.079	4.809	-0.0055	-7.0406	0.05
223	P_+x	LinStatic	-1.205	-0.079	14.729	0.002	-11.2982	0.1534
223	P_-x	LinStatic	-0.27	-0.041	5.267	0.0019	-2.315	0.0367
223	P_+y	LinStatic	-0.463	-7.241E-03	4.894	-0.0149	-4.8229	0.0813
223	P_-y	LinStatic	-0.661	-0.095	14.991	0.0413	-5.2313	0.1025
223	L_C	LinStatic	1.592	0.754	13.821	-0.0548	13.5283	-0.6188
223	Imp_x	LinStatic	-0.267	1.877E-03	-0.045	-1.876E-04	-1.185	0.0246
223	Imp_y	LinStatic	2.538E-04	-0.264	0.038	0.0094	0.0021	-0.0035
223	TIERRAS	LinStatic	166.723	3.412	4.718	-0.2487	329.4585	5.113
223	SDEAD	LinStatic	-2.503E-03	-0.143	-0.275	0.0102	2.902E-04	0.0053
223	TFCO_G1	LinStatic	0.041	-0.22	-0.169	0.0156	0.5887	0.7719
223	TFCO_G2	LinStatic	-0.058	0.054	-0.33	-0.0043	-0.3917	-0.3067
223	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
223	T°	LinStatic	0.	0.	0.	0.	0.	0.
223	L_E	LinStatic	9.691	0.453	7.629	-0.034	35.3358	3.4104
223	CG	LinStatic	19.803	0.231	143.289	-0.3476	70.4973	5.0402
223	CG_DEAD	LinStatic	9.545	0.1	120.761	-0.0132	30.2557	0.4006
224	DEAD	LinStatic	9.167	-1.643	120.731	0.1224	28.7841	3.016
224	W0_1	LinStatic	-1.05	-0.977	-15.313	-0.0496	-14.5816	-0.4139
224	W0_2	LinStatic	-2.405	-1.112	-8.016	-0.0287	-29.7594	-1.2696
224	W180_1	LinStatic	3.749	-0.377	-5.331	-0.1078	43.2074	1.7771
224	W180_2	LinStatic	2.541	-0.501	-1.669	-0.0851	29.1395	1.1086
224	W90	LinStatic	-0.299	1.846	-6.32	0.2279	-3.2179	0.412
224	W270	LinStatic	-0.318	-1.074	-12.098	-0.2357	-3.783	0.0017
224	SNOW	LinStatic	-0.865	-0.141	6.088	0.0144	-9.3353	-0.5542
224	L_G1	LinStatic	-0.692	-0.113	4.87	0.0115	-7.4682	-0.4434
224	P_+x	LinStatic	-1.228	-0.945	14.308	0.0686	-11.8655	-0.8215
224	P_-x	LinStatic	-0.266	-0.283	5.118	0.0203	-2.382	-0.1866
224	P_+y	LinStatic	-0.492	-0.338	4.682	0.0109	-5.2736	-0.3277
224	P_-y	LinStatic	-0.64	-0.809	14.777	0.0957	-5.2489	-0.4304
224	L_C	LinStatic	1.603	-0.288	15.179	0.0224	14.0885	0.9225
224	Imp_x	LinStatic	-0.266	-0.018	-0.045	0.0014	-1.2095	-0.0867
224	Imp_y	LinStatic	1.774E-03	-0.285	-0.076	0.0115	0.0108	-0.0085
224	TIERRAS	LinStatic	162.963	13.091	9.644	-0.954	312.8473	27.7569
224	SDEAD	LinStatic	-0.011	-0.605	-0.593	0.0434	0.002	0.0412
224	TFCO_G1	LinStatic	0.017	-0.44	-0.193	0.0326	0.1779	0.1941

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
224	TFCO_G2	LinStatic	2.842E-03	-0.333	-0.258	0.0248	-0.0437	-0.0469
224	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
224	Tº	LinStatic	0.	0.	0.	0.	0.	0.
224	L_E	LinStatic	8.906	0.733	8.515	-0.0573	33.0002	3.8744
224	CG	LinStatic	18.402	-5.91	140.651	0.0184	62.7724	7.1085
224	CG_DEAD	LinStatic	9.167	-1.643	120.731	0.1224	28.7841	3.016
225	DEAD	LinStatic	7.169	-3.092	120.077	0.2547	19.4506	8.8987
225	W0_1	LinStatic	-0.436	-0.731	-12.299	-0.0945	-10.5945	-3.1618
225	W0_2	LinStatic	-1.213	-1.657	-6.001	-0.0152	-21.2634	-6.3029
225	W180_1	LinStatic	2.197	-0.825	-4.401	-0.0895	32.2955	9.074
225	W180_2	LinStatic	1.501	-1.316	-1.082	-0.0425	22.1481	6.2068
225	W90	LinStatic	-0.279	3.011	-11.76	0.0908	-3.9902	-0.7234
225	W270	LinStatic	-0.112	-0.181	-5.538	-0.2516	-2.4782	-0.9062
225	SNOW	LinStatic	-0.495	-0.726	5.415	0.0592	-6.4676	-1.9737
225	L_G1	LinStatic	-0.396	-0.581	4.332	0.0473	-5.174	-1.579
225	P_+x	LinStatic	-0.674	-1.285	13.976	0.0995	-8.6115	-3.0358
225	P_-x	LinStatic	-0.136	-0.426	4.925	0.0328	-1.7131	-0.6971
225	P_+y	LinStatic	-0.255	-0.426	4.747	0.0211	-3.9555	-1.345
225	P_-y	LinStatic	-0.356	-1.231	13.909	0.127	-3.7027	-1.5019
225	L_C	LinStatic	0.977	-1.483	13.455	0.1213	9.7963	3.3297
225	Imp_x	LinStatic	-0.206	-0.015	-0.021	0.0012	-0.8859	-0.3194
225	Imp_y	LinStatic	8.499E-03	-0.298	0.048	0.0146	0.0456	-0.008
225	TIERRAS	LinStatic	143.098	29.243	15.15	-2.1598	231.1026	88.2811
225	SDEAD	LinStatic	-0.066	0.11	0.62	-6.765E-04	-0.0173	0.2357
225	TFCO_G1	LinStatic	0.08	-0.888	-0.31	0.0665	0.3534	-0.0355
225	TFCO_G2	LinStatic	0.08	-0.846	-0.335	0.0634	0.3118	-0.0923
225	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
225	Tº	LinStatic	0.	0.	0.	0.	0.	0.
225	L_E	LinStatic	6.865	0.316	7.971	-0.0157	21.9106	8.6262
225	CG	LinStatic	14.751	-10.053	143.394	0.2975	42.8244	16.4876
225	CG_DEAD	LinStatic	7.169	-3.092	120.077	0.2547	19.4506	8.8987
226	DEAD	LinStatic	-4.677	3.303	128.305	-0.2493	-4.9515	3.9176
226	W0_1	LinStatic	-4.598	-0.041	-7.62	0.081	-56.9646	17.829
226	W0_2	LinStatic	-2.659	1.181	-0.582	-0.0086	-32.2802	10.0402
226	W180_1	LinStatic	-0.215	0.752	-5.198	0.0516	-0.574	-0.0678
226	W180_2	LinStatic	1.652	1.84	0.454	-0.03	23.6003	-7.5224
226	W90	LinStatic	0.611	0.218	-4.245	0.0833	0.5591	-1.2796
226	W270	LinStatic	0.657	-2.189	-7.063	0.0239	0.2562	-0.8019
226	SNOW	LinStatic	1.069	0.656	3.44	-0.0477	13.3327	-4.2713
226	L_G1	LinStatic	0.855	0.524	2.752	-0.0381	10.6661	-3.417
226	P_+x	LinStatic	0.17	0.412	4.819	-0.0306	1.8121	-0.7572
226	P_-x	LinStatic	0.879	1.288	13.879	-0.0928	11.0045	-3.9334
226	P_+y	LinStatic	0.444	1.142	13.51	-0.1119	3.8811	-1.723
226	P_-y	LinStatic	0.255	0.464	5.035	-0.022	4.4637	-1.4499
226	L_C	LinStatic	6.039E-04	-2.461E-04	0.028	0.001	-0.0118	0.0118
226	Imp_x	LinStatic	-0.164	-0.014	-4.753E-03	9.953E-04	-0.5408	0.1908
226	Imp_y	LinStatic	8.411E-03	-0.245	7.112E-03	0.0154	0.0439	0.0078
226	TIERRAS	LinStatic	-143.16	-28.728	14.613	2.1202	-231.1469	88.0689
226	SDEAD	LinStatic	0.08	2.121	30.124	-0.1625	0.1054	0.2807
226	TFCO_G1	LinStatic	9.625E-03	0.105	-0.066	-0.0087	-0.0325	0.0624
226	TFCO_G2	LinStatic	-0.067	-0.074	-0.072	0.0077	-0.1886	-0.1769
226	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
226	Tº	LinStatic	0.	0.	0.	0.	0.	0.
226	L_E	LinStatic	0.433	0.34	4.565	-0.0328	-3.5727	0.9299
226	CG	LinStatic	-5.979	9.364	149.328	-0.3846	-39.445	10.9222
226	CG_DEAD	LinStatic	-4.677	3.303	128.305	-0.2493	-4.9515	3.9176
227	DEAD	LinStatic	-5.686	1.32	127.839	-0.1012	-7.5042	1.1416
227	W0_1	LinStatic	-7.979	-0.394	-8.356	0.0762	-82.5539	6.614
227	W0_2	LinStatic	-4.507	0.017	-0.821	0.0393	-45.2394	3.5055
227	W180_1	LinStatic	-0.168	0.747	-7.035	0.0081	-1.1646	0.1742
227	W180_2	LinStatic	3.108	1.136	-0.767	-0.0291	34.2678	-2.5561
227	W90	LinStatic	0.85	0.821	-7.54	0.0493	0.4559	-0.1542
227	W270	LinStatic	0.841	-1.067	-4.367	-0.05	-0.4033	-0.0113
227	SNOW	LinStatic	1.928	0.24	3.861	-0.0206	20.5498	-1.8058
227	L_G1	LinStatic	1.542	0.192	3.089	-0.0165	16.44	-1.4447
227	P_+x	LinStatic	0.314	0.283	5.03	-0.0229	2.6223	-0.2468
227	P_-x	LinStatic	1.625	1.041	14.175	-0.0793	15.6943	-1.3839
227	P_+y	LinStatic	0.784	0.763	14.469	-0.091	6.0103	-0.7127
227	P_-y	LinStatic	0.511	0.411	4.928	-0.0189	5.7795	-0.3636
227	L_C	LinStatic	-3.931E-03	2.447E-03	-0.022	0.0013	-0.0772	0.0166
227	Imp_x	LinStatic	-0.2	-0.015	0.01	9.786E-04	-0.7407	0.0646
227	Imp_y	LinStatic	2.029E-03	-0.229	0.033	0.0137	0.0126	0.0082
227	TIERRAS	LinStatic	-162.967	-12.855	9.552	0.9369	-312.7499	27.7261
227	SDEAD	LinStatic	0.014	1.039	30.231	-0.0767	0.0158	0.0618
227	TFCO_G1	LinStatic	2.133E-03	0.104	-0.08	-0.0076	1.720E-04	0.009
227	TFCO_G2	LinStatic	-0.013	-0.136	0.106	0.01	-0.0518	-0.0639
227	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
227	Tº	LinStatic	0.	0.	0.	0.	0.	0.
227	L_E	LinStatic	0.082	0.079	4.638	-0.008	-7.101	0.7343
227	CG	LinStatic	-8.299	5.4	146.032	-0.2469	-58.6635	4.9518
227	CG_DEAD	LinStatic	-5.686	1.32	127.839	-0.1012	-7.5042	1.1416
228	DEAD	LinStatic	-5.855	0.344	128.85	-0.0235	-7.7124	0.1529
228	W0_1	LinStatic	-8.494	0.141	-8.033	-0.0249	-86.5273	1.265
228	W0_2	LinStatic	-4.685	0.208	-0.534	-0.0309	-45.8748	0.5969
228	W180_1	LinStatic	-0.304	0.406	-5.996	-0.0156	-3.3451	0.1595
228	W180_2	LinStatic	3.194	0.463	0.19	-0.0239	33.9336	-0.2103
228	W90	LinStatic	0.821	0.825	-5.195	0.0433	-0.9276	0.25
228	W270	LinStatic	0.699	-0.925	-6.995	-0.0435	-2.697	0.3709
228	SNOW	LinStatic	2.159	0.038	3.913	-0.0025	22.965	-0.4817
228	L_G1	LinStatic	1.727	0.031	3.13	-0.002	18.3721	-0.3854
228	P_+x	LinStatic	0.342	0.047	5.122	-0.0029	2.8263	-0.0345
228	P_-x	LinStatic	1.765	0.205	14.64	-0.0108	16.5548	-0.2412
228	P_+y	LinStatic	0.919	0.047	14.517	-0.0307	7.284	-0.2521
228	P_-y	LinStatic	0.486	0.118	5.217	0.005	5.1019	0.0723
228	L_C	LinStatic	-8.589E-03	9.570E-03	0.012	7.064E-04	-0.1879	0.0132
228	Imp_x	LinStatic	-0.209	-4.021E-03	9.273E-04	1.908E-04	-0.8029	0.0162
228	Imp_y	LinStatic	2.622E-04	-0.215	-0.011	0.0126	0.0025	0.0025
228	TIERRAS	LinStatic	-166.722	-3.327	4.702	0.2425	-329.4093	5.157
228	SDEAD	LinStatic	2.910E-03	0.293	30.632	-0.0215	0.0034	0.0105
228	TFCO_G1	LinStatic	3.793E-04	0.042	-0.027	-0.003	1.893E-04	0.0025
228	TFCO_G2	LinStatic	-2.488E-03	-0.058	0.038	0.0042	-0.0117	-0.0162
228	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
228	Tº	LinStatic	0.	0.	0.	0.	0.	0.
228	L_E	LinStatic	-1.303E-03	0.045	4.651	-0.0043	-7.9911	0.181
228	CG	LinStatic	-8.962	1.971	150.358	-0.1645	-66.5976	1.842

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
228	CG_DEAD	LinStatic	-5.855	0.344	128.85	-0.0235	-7.7124	0.1529
229	DEAD	LinStatic	-5.834	-0.229	128.32	0.0144	-7.459	-0.2446
229	W0_1	LinStatic	-8.528	-0.28	-7.605	0.0034	-87.1467	-1.0185
229	W0_2	LinStatic	-4.699	-0.375	0.053	0.0034	-46.3253	-0.3652
229	W180_1	LinStatic	-0.327	-0.357	-6.441	0.035	-3.3168	-0.2488
229	W180_2	LinStatic	3.132	-0.444	-0.026	0.0324	33.2126	0.5464
229	W90	LinStatic	0.744	0.965	-6.897	0.0392	-2.3321	0.3959
229	W270	LinStatic	0.584	-0.782	-5.231	-0.0478	-4.3601	0.2992
229	SNOW	LinStatic	2.194	-0.051	3.971	0.0011	23.4359	0.3013
229	L_G1	LinStatic	1.756	-0.041	3.176	8.514E-04	18.749	0.2411
229	P_+x	LinStatic	0.34	-0.054	5.155	0.0015	2.7664	0.0762
229	P_-x	LinStatic	1.758	-0.202	14.64	0.0104	16.4502	0.2924
229	P_+y	LinStatic	0.939	-0.28	14.882	-0.015	7.5779	0.0835
229	P_-y	LinStatic	0.456	-0.013	5.064	0.0115	4.6345	0.1538
229	L_C	LinStatic	-9.641E-03	7.959E-03	0.018	9.289E-04	-0.2804	0.0191
229	Imp_x	LinStatic	-0.209	4.348E-03	4.531E-03	-4.057E-04	-0.8186	-0.0066
229	Imp_y	LinStatic	-5.098E-05	-0.217	0.011	0.0128	3.557E-04	0.0027
229	TIERRAS	LinStatic	-166.722	3.353	4.709	-0.2447	-329.4034	-5.1627
229	SDEAD	LinStatic	2.338E-03	-0.208	30.66	0.0152	0.0041	-0.0075
229	TFCO_G1	LinStatic	-1.475E-05	0.016	-9.257E-03	-0.0012	-6.190E-04	0.0014
229	TFCO_G2	LinStatic	-5.197E-04	-0.022	0.013	0.0016	-0.0032	-0.003
229	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
229	T°	LinStatic	0.	0.	0.	0.	0.	0.
229	L_E	LinStatic	-5.187E-03	0.053	4.678	-0.0046	-8.0327	-0.1251
229	CG	LinStatic	-9.255	-2.04	150.582	0.0856	-71.1756	0.1656
229	CG_DEAD	LinStatic	-5.834	-0.229	128.32	0.0144	-7.459	-0.2446
230	DEAD	LinStatic	-5.649	-1.012	128.832	0.0773	-6.94	-1.099
230	W0_1	LinStatic	-8.091	0.231	-8.662	-0.0924	-84.3179	-6.5695
230	W0_2	LinStatic	-4.626	-0.238	-1.223	-0.0581	-46.9463	-3.4097
230	W180_1	LinStatic	-0.109	-0.621	-6.88	0.0011	-0.2198	-0.3196
230	W180_2	LinStatic	2.961	-1.062	-0.796	0.0312	32.3875	2.6
230	W90	LinStatic	0.593	1.165	-4.337	0.043	-4.1806	0.2852
230	W270	LinStatic	0.504	-0.725	-7.576	-0.0577	-4.8589	0.0601
230	SNOW	LinStatic	2.003	-0.278	3.843	0.0213	21.7064	1.8025
230	L_G1	LinStatic	1.602	-0.222	3.075	0.0171	17.3653	1.442
230	P_+x	LinStatic	0.292	-0.293	4.998	0.0217	2.3477	0.2646
230	P_-x	LinStatic	1.599	-1.032	14.168	0.0774	15.3619	1.4024
230	P_+y	LinStatic	0.841	-1.004	14.107	0.0456	6.8799	0.6667
230	P_-y	LinStatic	0.415	-0.287	5.069	0.0335	4.3463	0.4085
230	L_C	LinStatic	-0.019	-0.017	0.042	0.0037	-0.4275	0.0047
230	Imp_x	LinStatic	-0.205	0.016	9.188E-03	-0.0012	-0.8084	-0.0615
230	Imp_y	LinStatic	-1.926E-03	-0.228	-0.034	0.0134	-0.0115	0.0084
230	TIERRAS	LinStatic	-162.965	12.906	9.583	-0.9425	-312.7151	-27.737
230	SDEAD	LinStatic	0.011	-0.885	30.346	0.0647	0.0193	-0.0472
230	TFCO_G1	LinStatic	-4.048E-04	7.471E-03	-2.770E-03	-5.502E-04	-0.0025	0.0024
230	TFCO_G2	LinStatic	-5.648E-04	-9.253E-03	4.250E-03	6.753E-04	-0.0035	0.0017
230	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
230	T°	LinStatic	0.	0.	0.	0.	0.	0.
230	L_E	LinStatic	0.057	0.097	4.754	-0.0066	-7.3535	-0.6037
230	CG	LinStatic	-9.229	-5.075	146.338	0.1411	-72.2148	-4.5067
230	CG_DEAD	LinStatic	-5.649	-1.012	128.832	0.0773	-6.94	-1.099
231	DEAD	LinStatic	-4.695	-3.403	128.418	0.2501	-4.7163	-3.7498
231	W0_1	LinStatic	-4.648	0.052	-7.105	-0.102	-58.3222	-18.1882

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
231	W0_2	LinStatic	-2.727	-1.196	-0.03	-0.0163	-33.738	-10.4236
231	W180_1	LinStatic	-0.137	-0.735	-5.327	-0.04	0.7906	0.3658
231	W180_2	LinStatic	1.556	-1.805	0.231	0.032	21.8857	7.1692
231	W90	LinStatic	0.516	2.243	-7.162	-0.0268	-3.7067	-0.0301
231	W270	LinStatic	0.439	-0.143	-4.31	-0.0893	-3.7053	0.2731
231	SNOW	LinStatic	1.103	-0.681	3.47	0.0476	14.3023	4.4981
231	L_G1	LinStatic	0.883	-0.545	2.776	0.0381	11.442	3.5985
231	P_+x	LinStatic	0.156	-0.405	4.822	0.0273	1.5334	0.6869
231	P_-x	LinStatic	0.855	-1.258	13.864	0.0842	10.6642	3.9039
231	P_+y	LinStatic	0.465	-1.261	14.111	0.0614	4.6706	1.9115
231	P_-y	LinStatic	0.204	-0.393	4.738	0.036	3.0721	1.1289
231	L_C	LinStatic	-0.016	-0.04	-0.07	0.005	-0.4423	-0.0871
231	Imp_x	LinStatic	-0.166	0.015	-4.333E-03	-0.0011	-0.6029	-0.2091
231	Imp_y	LinStatic	-8.251E-03	-0.245	-5.835E-03	0.0153	-0.0433	0.0076
231	TIERRAS	LinStatic	-143.149	28.804	14.659	-2.1341	-231.008	-88.0303
231	SDEAD	LinStatic	0.063	-2.107	29.99	0.1557	0.1089	-0.2092
231	TFCO_G1	LinStatic	-1.969E-03	3.985E-03	-2.928E-03	-3.131E-04	-0.0094	0.0029
231	TFCO_G2	LinStatic	-2.394E-03	-6.467E-03	-3.620E-03	4.648E-04	-0.0119	0.0028
231	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
231	T°	LinStatic	0.	0.	0.	0.	0.	0.
231	L_E	LinStatic	0.338	-0.165	4.647	0.0173	-4.5795	-0.9954
231	CG	LinStatic	-6.591	-9.189	150.297	0.2864	-52.2914	-13.5369
231	CG_DEAD	LinStatic	-4.695	-3.403	128.418	0.2501	-4.7163	-3.7498
232	DEAD	LinStatic	9.654	0.071	133.301	1.1297	0.7505	6.5433
232	W0_1	LinStatic	1.619	-3.935	-9.89	13.544	0.4308	-14.1729
232	W0_2	LinStatic	0.476	-2.83	-3.728	10.5395	0.2521	-9.5588
232	W180_1	LinStatic	0.136	-0.518	3.492	2.0325	0.0198	-1.7764
232	W180_2	LinStatic	-0.748	0.445	8.27	-0.4994	-0.1285	2.1809
232	W90	LinStatic	0.974	1.146	-6.344	-3.5882	0.0444	2.6979
232	W270	LinStatic	-0.092	-0.559	0.078	2.5764	0.0226	-2.0618
232	SNOW	LinStatic	-0.676	0.655	3.152	-1.7842	-0.1062	2.6685
232	L_G1	LinStatic	-0.54	0.524	2.522	-1.4274	-0.085	2.1349
232	P_+x	LinStatic	-1.453	-3.241E-03	5.23	-0.2167	-0.1176	0.467
232	P_-x	LinStatic	-2.242	0.255	18.988	-2.1341	-0.2112	2.2847
232	P_+y	LinStatic	-2.094	-0.054	17.588	-0.5469	-0.1643	1.2181
232	P_-y	LinStatic	-1.391	0.069	5.809	-0.7448	-0.1266	0.703
232	L_C	LinStatic	0.526	-0.055	0.551	0.184	0.0437	-0.2982
232	Imp_x	LinStatic	-0.21	-0.035	-0.28	0.0857	-0.0124	-0.1077
232	Imp_y	LinStatic	-0.036	-0.099	0.211	0.0955	-5.964E-05	-0.141
232	TIERRAS	LinStatic	-32.754	74.941	-56.953	-28.8248	-2.3156	55.5588
232	SDEAD	LinStatic	3.616	-0.766	35.153	0.9727	0.3151	0.6747
232	TFCO_G1	LinStatic	-0.038	-0.016	-0.046	-0.0084	-0.0029	-0.0472
232	TFCO_G2	LinStatic	-0.039	-0.017	-0.035	-0.006	-0.003	-0.0506
232	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
232	T°	LinStatic	0.	0.	0.	0.	0.	0.
232	L_E	LinStatic	1.728	-0.454	3.351	2.4181	0.1314	-0.0737
232	CG	LinStatic	6.417	-5.767	179.849	22.9099	0.8406	-9.1783
232	CG_DEAD	LinStatic	9.654	0.071	133.301	1.1297	0.7505	6.5433
244	DEAD	LinStatic	7.598	2.317	128.87	-3.6294	0.561	7.9499
244	W0_1	LinStatic	-0.376	-3.889	-4.6	3.6909	-0.2267	-13.0098
244	W0_2	LinStatic	-0.837	-2.835	-1.006	1.1964	-0.2061	-9.6076
244	W180_1	LinStatic	0.672	-0.632	1.234	-0.1316	0.1111	-2.9249
244	W180_2	LinStatic	0.407	0.279	4.024	-2.3282	0.1372	0.0078

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
244	W90	LinStatic	0.627	1.221	-4.964	0.5131	0.01	4.8972
244	W270	LinStatic	-0.17	-0.65	-0.685	-0.3447	-0.023	-2.7308
244	SNOW	LinStatic	-0.271	0.618	1.778	-1.4303	0.0124	1.9648
244	L_G1	LinStatic	-0.217	0.494	1.423	-1.1443	0.0099	1.5719
244	P_+x	LinStatic	-1.862	0.054	3.768	-0.1103	-0.1266	0.3572
244	P_-x	LinStatic	-2.61	0.403	13.132	-0.1694	-0.1158	1.5286
244	P_+y	LinStatic	-2.785	0.126	12.606	-0.2524	-0.165	0.8601
244	P_-y	LinStatic	-1.637	0.12	4.074	0.0405	-0.0894	0.4629
244	L_C	LinStatic	0.598	-0.056	0.837	0.1092	0.0407	-0.345
244	Imp_x	LinStatic	-0.266	-0.03	-0.124	0.0599	-0.0235	-0.0703
244	Imp_y	LinStatic	-0.02	-0.11	0.107	0.1652	-0.0011	-0.1755
244	TIERRAS	LinStatic	-33.638	99.503	-12.233	-78.3016	-3.0376	86.6915
244	SDEAD	LinStatic	3.243	-0.362	31.938	0.4577	0.2456	0.6753
244	TFCO_G1	LinStatic	-0.047	-0.018	-0.031	0.0101	-0.0036	-0.0777
244	TFCO_G2	LinStatic	-0.048	-0.02	-0.024	0.0142	-0.0037	-0.0813
244	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
244	T°	LinStatic	0.	0.	0.	0.	0.	0.
244	L_E	LinStatic	2.064	-0.484	3.288	-2.0619	0.1631	-0.1489
244	CG	LinStatic	1.419	-3.409	162.358	-4.9081	0.083	-10.7385
244	CG_DEAD	LinStatic	7.598	2.317	128.87	-3.6294	0.561	7.9499
251	DEAD	LinStatic	5.51	3.593	128.375	-6.778	0.3984	7.9166
251	W0_1	LinStatic	-1.858	-4.036	-0.028	22.5717	-0.0737	-10.8997
251	W0_2	LinStatic	-1.518	-3.118	1.636	17.754	-0.0377	-8.6159
251	W180_1	LinStatic	0.722	-0.907	-0.424	5.0613	-0.0027	-3.0688
251	W180_2	LinStatic	1.128	-0.116	0.933	0.9529	0.0349	-1.1029
251	W90	LinStatic	0.762	1.662	-4.304	-8.8075	0.1025	5.2076
251	W270	LinStatic	-0.055	-0.874	-1.177	5.041	0.0203	-2.8285
251	SNOW	LinStatic	0.171	0.536	0.743	-2.8184	0.0162	1.3263
251	L_G1	LinStatic	0.137	0.429	0.595	-2.2548	0.0129	1.0611
251	P_+x	LinStatic	-1.874	0.068	2.132	-0.439	-0.119	0.2555
251	P_-x	LinStatic	-2.219	0.409	7.529	-2.8373	-0.1398	1.0791
251	P_+y	LinStatic	-2.504	0.164	7.77	-1.1051	-0.1386	0.5354
251	P_-y	LinStatic	-1.691	0.127	2.198	-0.9268	-0.1275	0.3513
251	L_C	LinStatic	0.579	-0.073	1.242	0.4568	0.0393	-0.3614
251	Imp_x	LinStatic	-0.271	-0.025	-0.038	0.1197	-0.016	-0.0376
251	Imp_y	LinStatic	-0.013	-0.125	0.057	0.2595	-3.975E-04	-0.1804
251	TIERRAS	LinStatic	-29.179	116.764	5.771	-125.3891	-2.201	95.0496
251	SDEAD	LinStatic	2.797	-0.211	30.894	0.2929	0.2264	0.5071
251	TFCO_G1	LinStatic	-0.053	-0.023	-0.028	0.0159	-0.0039	-0.1144
251	TFCO_G2	LinStatic	-0.054	-0.024	-0.024	0.0213	-0.004	-0.1174
251	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
251	T°	LinStatic	0.	0.	0.	0.	0.	0.
251	L_E	LinStatic	1.905	-0.52	3.914	2.526	0.1205	0.1373
251	CG	LinStatic	-0.942	-3.084	150.539	30.6515	0.0933	-10.0681
251	CG_DEAD	LinStatic	5.51	3.593	128.375	-6.778	0.3984	7.9166
258	DEAD	LinStatic	4.159	4.487	128.128	-10.3662	0.3033	6.9733
258	W0_1	LinStatic	-4.413	-4.054	2.378	10.2489	-0.4658	-7.6765
258	W0_2	LinStatic	-3.427	-3.31	3.042	6.9232	-0.3774	-6.7708
258	W180_1	LinStatic	1.895	-1.182	-1.453	2.0096	0.2409	-3.4936
258	W180_2	LinStatic	2.804	-0.542	-0.762	-0.8833	0.32	-2.6966
258	W90	LinStatic	0.191	2.127	-3.981	-3.1676	-0.062	5.9518
258	W270	LinStatic	-0.216	-1.071	-1.56	1.7553	-0.037	-2.819
258	SNOW	LinStatic	0.544	0.433	0.229	-1.922	0.0515	0.5253

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m	M3 KN-m
258	L_G1	LinStatic	0.435	0.347	0.183	-1.5376	0.0412	0.4202
258	P_+x	LinStatic	-1.787	0.067	0.701	-0.2084	-0.1298	0.1631
258	P_-x	LinStatic	-0.949	0.341	3.107	-0.8442	-0.0144	0.2311
258	P_+y	LinStatic	-1.763	0.151	3.784	-0.4855	-0.1122	0.1724
258	P_-y	LinStatic	-1.285	0.109	0.633	-0.1946	-0.0618	0.098
258	L_C	LinStatic	0.509	-0.092	1.626	0.379	0.0355	-0.3546
258	Imp_x	LinStatic	-0.326	-0.019	6.383E-03	0.0672	-0.0285	4.885E-04
258	Imp_y	LinStatic	-7.883E-03	-0.14	0.025	0.3148	-3.258E-04	-0.1667
258	TIERRAS	LinStatic	-25.015	129.398	15.415	-166.497	-1.9767	90.1469
258	SDEAD	LinStatic	2.258	-0.135	30.314	0.1992	0.156	0.3939
258	TFCO_G1	LinStatic	-0.06	-0.031	-0.029	0.0496	-0.0044	-0.1537
258	TFCO_G2	LinStatic	-0.06	-0.032	-0.027	0.0556	-0.0044	-0.1556
258	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
258	Tº	LinStatic	0.	0.	0.	0.	0.	0.
258	L_E	LinStatic	1.915	-0.456	4.564	-2.8828	0.1489	0.021
258	CG	LinStatic	-1.825	-2.992	140.436	0.3613	-0.1602	-9.6751
258	CG_DEAD	LinStatic	4.159	4.487	128.128	-10.3662	0.3033	6.9733
265	DEAD	LinStatic	3.142	5.125	128.036	-11.8189	0.2326	5.8425
265	W0_1	LinStatic	-4.874	-4.26	3.229	25.1881	-0.2591	-5.2566
265	W0_2	LinStatic	-3.534	-3.651	3.497	21.3402	-0.1523	-4.9623
265	W180_1	LinStatic	1.712	-1.492	-1.962	8.3702	0.0212	-3.0066
265	W180_2	LinStatic	2.847	-0.967	-1.482	5.0717	0.111	-2.7376
265	W90	LinStatic	0.746	2.657	-3.771	-14.6566	0.1433	4.8925
265	W270	LinStatic	-0.019	-1.302	-1.838	7.4113	0.0296	-2.2689
265	SNOW	LinStatic	0.701	0.355	0.041	-2.25	0.0525	0.1758
265	L_G1	LinStatic	0.561	0.284	0.033	-1.8001	0.042	0.1406
265	P_+x	LinStatic	-1.515	0.068	-0.379	-0.4193	-0.0868	0.1387
265	P_-x	LinStatic	0.139	0.291	0.161	-2.0404	0.0293	0.0731
265	P_+y	LinStatic	-0.654	0.135	0.998	-0.8393	0.0036	0.0591
265	P_-y	LinStatic	-1.128	0.1	-0.493	-0.6851	-0.0927	0.0744
265	L_C	LinStatic	0.365	-0.115	1.917	0.7203	0.0254	-0.3218
265	Imp_x	LinStatic	-0.307	-0.014	0.026	0.0788	-0.0166	0.0166
265	Imp_y	LinStatic	-4.565E-03	-0.152	3.927E-03	0.3874	-1.110E-04	-0.1405
265	TIERRAS	LinStatic	-20.342	138.646	20.919	-198.8656	-1.5395	77.4394
265	SDEAD	LinStatic	2.006	-0.091	29.996	0.1378	0.1661	0.3014
265	TFCO_G1	LinStatic	-0.067	-0.043	-0.032	0.0605	-0.0049	-0.2059
265	TFCO_G2	LinStatic	-0.067	-0.044	-0.032	0.0663	-0.0049	-0.2067
265	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
265	Tº	LinStatic	0.	0.	0.	0.	0.	0.
265	L_E	LinStatic	1.727	-0.447	5.122	2.2811	0.1087	0.2098
265	CG	LinStatic	-0.344	-3.503	133.076	37.6733	0.1665	-7.0879
265	CG_DEAD	LinStatic	3.142	5.125	128.036	-11.8189	0.2326	5.8425
277	DEAD	LinStatic	1.539	5.872	127.844	-14.5028	0.1102	2.8
277	W0_1	LinStatic	-5.546	-4.278	2.201	24.8778	-0.272	-0.8915
277	W0_2	LinStatic	-4.234	-3.88	2.538	22.1742	-0.1717	-1.2823
277	W180_1	LinStatic	2.525	-1.883	-1.677	10.6909	0.0461	-2.0545
277	W180_2	LinStatic	3.479	-1.536	-1.103	8.3504	0.1202	-2.364
277	W90	LinStatic	0.807	3.271	-3.506	-18.2101	0.1774	2.6886
277	W270	LinStatic	0.014	-1.545	-2.149	8.6758	0.038	-1.0711
277	SNOW	LinStatic	0.635	0.233	0.104	-1.5847	0.0446	-0.2204
277	L_G1	LinStatic	0.508	0.187	0.083	-1.2678	0.0357	-0.1763
277	P_+x	LinStatic	-1.369	0.074	-1.652	-0.4609	-0.0752	0.1519
277	P_-x	LinStatic	1.571	0.187	-2.272	-1.2655	0.1221	-0.2583

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
277	P_+y	LinStatic	0.632	0.099	-1.628	-0.5955	0.0933	-0.0572
277	P_-y	LinStatic	-0.827	0.078	-1.628	-0.4836	-0.08	0.0061
277	L_C	LinStatic	0.053	-0.144	1.989	0.9181	0.003	-0.2451
277	Imp_x	LinStatic	-0.327	-5.242E-03	0.015	0.0294	-0.0166	0.0394
277	Imp_y	LinStatic	-2.715E-03	-0.167	-0.017	0.4601	-1.264E-04	-0.0731
277	TIERRAS	LinStatic	-10.417	149.656	25.41	-240.6683	-0.7755	41.1948
277	SDEAD	LinStatic	1.302	-0.044	29.753	0.0907	0.1089	0.1813
277	TFCO_G1	LinStatic	-0.082	-0.079	-0.04	0.1379	-0.0061	-0.339
277	TFCO_G2	LinStatic	-0.082	-0.079	-0.041	0.1419	-0.0061	-0.3387
277	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
277	T°	LinStatic	0.	0.	0.	0.	0.	0.
277	L_E	LinStatic	1.785	-0.406	5.959	2.1396	0.1206	-0.1607
277	CG	LinStatic	1.064	-3.855	125.021	40.7238	0.2767	-2.9584
277	CG_DEAD	LinStatic	1.539	5.872	127.844	-14.5028	0.1102	2.8
284	DEAD	LinStatic	0.998	6.036	127.739	-16.333	0.0779	1.1646
284	W0_1	LinStatic	-6.376	-4.089	1.217	11.6533	-0.6062	0.9604
284	W0_2	LinStatic	-5.289	-3.761	1.694	9.6725	-0.5308	0.4559
284	W180_1	LinStatic	3.876	-1.954	-1.119	5.1547	0.4321	-1.6428
284	W180_2	LinStatic	4.577	-1.666	-0.503	3.4139	0.4791	-2.0403
284	W90	LinStatic	-0.152	3.328	-3.45	-7.8095	-0.1376	1.5651
284	W270	LinStatic	-0.284	-1.552	-2.218	3.7162	-0.0577	-0.4634
284	SNOW	LinStatic	0.52	0.192	0.175	-1.1553	0.0398	-0.2862
284	L_G1	LinStatic	0.416	0.154	0.14	-0.9243	0.0319	-0.2289
284	P_+x	LinStatic	-1.579	0.081	-2.004	-0.2624	-0.1377	0.2088
284	P_-x	LinStatic	1.793	0.145	-2.499	-0.5013	0.1407	-0.3628
284	P_+y	LinStatic	0.58	0.086	-2.047	-0.2968	0.0107	-0.0593
284	P_-y	LinStatic	-0.638	0.072	-1.843	-0.1707	-0.0211	-4.308E-04
284	L_C	LinStatic	2.193E-03	-0.151	1.81	0.7316	0.0026	-0.2287
284	Imp_x	LinStatic	-0.384	-1.464E-03	-4.007E-03	0.0048	-0.0343	0.0475
284	Imp_y	LinStatic	-3.184E-03	-0.171	-0.022	0.46	-1.860E-04	-0.0373
284	TIERRAS	LinStatic	-5.276	152.199	26.075	-250.7259	-0.4122	21.0068
284	SDEAD	LinStatic	0.883	-0.029	29.726	0.0898	0.0573	0.1441
284	TFCO_G1	LinStatic	-0.09	-0.107	-0.042	0.2501	-0.0066	-0.4176
284	TFCO_G2	LinStatic	-0.091	-0.108	-0.044	0.2534	-0.0067	-0.4171
284	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
284	T°	LinStatic	0.	0.	0.	0.	0.	0.
284	L_E	LinStatic	1.927	-0.389	6.294	-4.1092	0.1428	-0.4472
284	CG	LinStatic	-0.045	-3.623	123.246	3.704	-0.1653	-1.1762
284	CG_DEAD	LinStatic	0.998	6.036	127.739	-16.333	0.0779	1.1646
291	DEAD	LinStatic	0.547	6.061	127.737	-15.0656	0.0272	-0.426
291	W0_1	LinStatic	-5.072	-4.002	0.196	22.8826	-0.2187	2.0429
291	W0_2	LinStatic	-4.186	-3.717	0.82	20.866	-0.1478	1.5935
291	W180_1	LinStatic	3.027	-2.075	-0.438	12.1124	0.0569	-0.9247
291	W180_2	LinStatic	3.542	-1.821	0.196	10.3313	0.1012	-1.2766
291	W90	LinStatic	0.65	3.434	-3.523	-19.3394	0.1864	0.2313
291	W270	LinStatic	-0.069	-1.582	-2.281	8.8412	0.0354	0.1045
291	SNOW	LinStatic	0.366	0.168	0.247	-1.1895	0.0255	-0.2531
291	L_G1	LinStatic	0.293	0.134	0.197	-0.9517	0.0204	-0.2025
291	P_+x	LinStatic	-1.459	0.099	-2.22	-0.6497	-0.0818	0.2007
291	P_-x	LinStatic	1.776	0.122	-2.432	-0.7927	0.1293	-0.277
291	P_+y	LinStatic	0.906	0.083	-2.178	-0.5229	0.1099	-0.0404
291	P_-y	LinStatic	-0.809	0.075	-1.9	-0.4178	-0.0875	0.0328
291	L_C	LinStatic	0.066	-0.163	1.604	1.0955	-0.0013	-0.1912

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
291	Imp_x	LinStatic	-0.34	2.247E-03	-0.027	-0.0188	-0.017	0.0454
291	Imp_y	LinStatic	-4.175E-03	-0.172	-0.023	0.4819	-3.514E-04	-0.0016
291	TIERRAS	LinStatic	0.14	153.043	26.243	-254.1356	0.0299	0.3223
291	SDEAD	LinStatic	0.563	-0.019	29.698	0.0828	0.0496	0.1194
291	TFCO_G1	LinStatic	-0.099	-0.144	-0.042	0.2761	-0.0074	-0.5315
291	TFCO_G2	LinStatic	-0.1	-0.145	-0.044	0.278	-0.0075	-0.5314
291	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
291	Tº	LinStatic	0.	0.	0.	0.	0.	0.
291	L_E	LinStatic	2.03	-0.462	6.592	2.3807	0.149	-0.7352
291	CG	LinStatic	1.315	-3.782	122.419	40.5323	0.2835	0.0817
291	CG_DEAD	LinStatic	0.547	6.061	127.737	-15.0656	0.0272	-0.426
298	DEAD	LinStatic	0.336	5.97	127.952	-15.8635	0.0365	-1.9809
298	W0_1	LinStatic	-5.801	-3.754	-0.789	10.1813	-0.5767	3.5025
298	W0_2	LinStatic	-5.221	-3.499	-0.035	8.5552	-0.5429	3.0892
298	W180_1	LinStatic	4.386	-2.108	0.308	5.8158	0.4929	-0.4632
298	W180_2	LinStatic	4.639	-1.876	0.946	4.3638	0.5033	-0.7764
298	W90	LinStatic	-0.495	3.367	-3.785	-7.8954	-0.1782	-0.9555
298	W270	LinStatic	-0.411	-1.534	-2.355	3.619	-0.0725	0.7064
298	SNOW	LinStatic	0.228	0.152	0.316	-0.956	0.016	-0.2316
298	L_G1	LinStatic	0.183	0.121	0.253	-0.7649	0.0128	-0.1853
298	P_+x	LinStatic	-1.621	0.115	-2.264	-0.3564	-0.1551	0.281
298	P_-x	LinStatic	1.705	0.098	-2.195	-0.3471	0.1247	-0.2757
298	P_+y	LinStatic	0.578	0.079	-2.134	-0.2654	-0.0023	0.0012
298	P_-y	LinStatic	-0.538	0.077	-1.768	-0.1762	-0.0187	0.0658
298	L_C	LinStatic	0.313	-0.175	1.493	0.8597	0.0328	-0.206
298	Imp_x	LinStatic	-0.396	5.998E-03	-0.052	-0.0307	-0.0355	0.0481
298	Imp_y	LinStatic	-4.417E-03	-0.171	-0.021	0.4592	-3.410E-04	0.0336
298	TIERRAS	LinStatic	5.306	152.246	26.009	-250.8236	0.3753	-20.281
298	SDEAD	LinStatic	0.109	-9.733E-03	29.64	0.0944	0.0059	0.1065
298	TFCO_G1	LinStatic	-0.109	-0.197	-0.036	0.4894	-0.0081	-0.6338
298	TFCO_G2	LinStatic	-0.11	-0.198	-0.039	0.4911	-0.0081	-0.6342
298	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
298	Tº	LinStatic	0.	0.	0.	0.	0.	0.
298	L_E	LinStatic	2.109	-0.512	6.799	-3.3238	0.1509	-0.7953
298	CG	LinStatic	0.206	-3.6	122.49	4.2107	-0.1895	1.9617
298	CG_DEAD	LinStatic	0.336	5.97	127.952	-15.8635	0.0365	-1.9809
305	DEAD	LinStatic	-0.026	5.731	128.432	-13.5636	-0.033	-3.515
305	W0_1	LinStatic	-4.284	-3.572	-1.636	19.9242	-0.1485	4.3424
305	W0_2	LinStatic	-3.907	-3.322	-0.787	18.1112	-0.1115	3.9496
305	W180_1	LinStatic	3.2	-2.212	1.013	13.2888	0.0471	0.5474
305	W180_2	LinStatic	3.324	-1.981	1.649	11.6396	0.0651	0.2447
305	W90	LinStatic	0.423	3.358	-4.209	-19.0038	0.1912	-2.3058
305	W270	LinStatic	-0.121	-1.505	-2.41	8.2992	0.0348	1.22
305	SNOW	LinStatic	0.101	0.149	0.383	-1.081	0.0074	-0.2215
305	L_G1	LinStatic	0.081	0.119	0.306	-0.8649	0.0059	-0.1772
305	P_+x	LinStatic	-1.175	0.149	-2.006	-1.0428	-0.0629	0.1825
305	P_-x	LinStatic	1.619	0.088	-1.828	-0.5632	0.1134	-0.2149
305	P_+y	LinStatic	0.884	0.087	-1.934	-0.6187	0.1072	-0.0272
305	P_-y	LinStatic	-0.488	0.089	-1.345	-0.4932	-0.0755	0.0621
305	L_C	LinStatic	0.531	-0.203	1.564	1.4042	0.018	-0.1174
305	Imp_x	LinStatic	-0.345	0.01	-0.074	-0.0719	-0.0172	0.0384
305	Imp_y	LinStatic	-4.256E-03	-0.168	-0.015	0.4592	-4.995E-04	0.0683
305	TIERRAS	LinStatic	10.735	149.749	25.294	-241.2089	0.8433	-40.5963

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
305	SDEAD	LinStatic	-0.356	-2.016E-03	29.495	0.095	-0.0198	0.1037
305	TFCO_G1	LinStatic	-0.121	-0.268	-0.024	0.5392	-0.0092	-0.7848
305	TFCO_G2	LinStatic	-0.123	-0.269	-0.027	0.5395	-0.0093	-0.7862
305	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
305	T°	LinStatic	0.	0.	0.	0.	0.	0.
305	L_E	LinStatic	2.227	-0.65	6.875	2.9744	0.1747	-1.1795
305	CG	LinStatic	2.308	-3.795	123.76	39.2753	0.3276	2.9673
305	CG_DEAD	LinStatic	-0.026	5.731	128.432	-13.5636	-0.033	-3.515
317	DEAD	LinStatic	-0.566	4.779	130.563	-9.8517	-0.0929	-6.0028
317	W0_1	LinStatic	-3.202	-2.701	-2.557	14.6881	-0.0655	6.087
317	W0_2	LinStatic	-3.207	-2.418	-1.695	12.6934	-0.0561	5.4999
317	W180_1	LinStatic	2.571	-2.221	1.843	13.8661	-0.01	2.8442
317	W180_2	LinStatic	2.497	-1.948	2.488	12.0023	-0.0079	2.3541
317	W90	LinStatic	0.211	2.847	-5.614	-16.3621	0.1961	-4.811
317	W270	LinStatic	0.021	-1.212	-2.272	6.6054	0.047	2.1831
317	SNOW	LinStatic	-9.320E-03	0.171	0.554	-1.2032	-9.786E-04	-0.3452
317	L_G1	LinStatic	-7.444E-03	0.136	0.443	-0.9626	-7.823E-04	-0.2762
317	P_+x	LinStatic	0.289	0.228	0.459	-1.6939	0.0406	-0.0884
317	P_-x	LinStatic	1.733	0.076	-0.512	-0.5131	0.1185	-0.1917
317	P_+y	LinStatic	1.206	0.113	-0.816	-0.8813	0.1292	-0.1307
317	P_-y	LinStatic	0.801	0.119	1.295	-0.7204	0.0072	-0.014
317	L_C	LinStatic	1.158	-0.293	2.542	1.9398	0.0435	0.1704
317	Imp_x	LinStatic	-0.33	0.021	-0.093	-0.1344	-0.0165	0.0068
317	Imp_y	LinStatic	2.008E-03	-0.154	0.015	0.3895	-2.568E-04	0.1318
317	TIERRAS	LinStatic	20.72	138.803	20.729	-199.7881	1.6249	-77.0015
317	SDEAD	LinStatic	-1.654	0.011	28.69	0.1138	-0.1132	0.1312
317	TFCO_G1	LinStatic	-0.156	-0.512	0.032	1.0973	-0.0123	-0.9914
317	TFCO_G2	LinStatic	-0.158	-0.514	0.028	1.0975	-0.0124	-0.9954
317	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
317	T°	LinStatic	0.	0.	0.	0.	0.	0.
317	L_E	LinStatic	2.31	-0.996	6.399	3.716	0.1895	-1.1678
317	CG	LinStatic	5.813	-3.456	132.675	34.2854	0.5382	6.3873
317	CG_DEAD	LinStatic	-0.566	4.779	130.563	-9.8517	-0.0929	-6.0028
324	DEAD	LinStatic	-0.848	4.	132.361	-7.8684	-0.0245	-6.5538
324	W0_1	LinStatic	-3.824	-2.034	-2.377	3.7429	-0.4625	7.0711
324	W0_2	LinStatic	-3.913	-1.715	-1.458	2.1623	-0.4883	6.283
324	W180_1	LinStatic	3.313	-2.116	1.425	4.5998	0.4764	3.8706
324	W180_2	LinStatic	3.246	-1.804	2.225	3.1378	0.4539	3.1957
324	W90	LinStatic	-1.241	2.358	-6.73	-3.2452	-0.2486	-5.7938
324	W270	LinStatic	-0.213	-0.955	-1.991	1.4153	-0.0686	2.6505
324	SNOW	LinStatic	0.046	0.192	0.778	-0.9488	-0.0066	-0.4733
324	L_G1	LinStatic	0.036	0.153	0.622	-0.759	-0.0053	-0.3787
324	P_+x	LinStatic	1.049	0.262	3.353	-0.5268	-0.017	-0.1868
324	P_-x	LinStatic	1.904	0.073	0.608	-0.1936	0.1239	-0.1952
324	P_+y	LinStatic	1.148	0.124	0.333	-0.2197	0.0165	-0.1465
324	P_-y	LinStatic	1.922	0.129	4.066	-0.2782	0.128	-0.0796
324	L_C	LinStatic	1.693	-0.357	3.463	1.15	0.1623	0.3077
324	Imp_x	LinStatic	-0.36	0.028	-0.07	-0.1014	-0.0335	-0.0151
324	Imp_y	LinStatic	9.432E-03	-0.143	0.045	0.3181	3.987E-04	0.1559
324	TIERRAS	LinStatic	24.908	129.54	15.142	-166.849	1.9092	-89.8269
324	SDEAD	LinStatic	-2.495	0.015	27.852	0.1324	-0.1702	0.157
324	TFCO_G1	LinStatic	-0.177	-0.704	0.082	1.964	-0.0131	-0.8057
324	TFCO_G2	LinStatic	-0.178	-0.707	0.077	1.9681	-0.0132	-0.8099

8. Structure results

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Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
324	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
324	T°	LinStatic	0.	0.	0.	0.	0.	0.
324	L_E	LinStatic	2.098	-1.225	5.771	1.5379	0.1629	-0.0485
324	CG	LinStatic	6.379	-3.069	141.826	4.4653	0.2076	9.9012
324	CG_DEAD	LinStatic	-0.848	4.	132.361	-7.8684	-0.0245	-6.5538
331	DEAD	LinStatic	-2.654	2.932	134.42	-3.8304	-0.2372	-6.4453
331	W0_1	LinStatic	-1.754	-1.389	-1.502	7.242	0.0098	5.5679
331	W0_2	LinStatic	-1.545	-1.009	-0.309	5.0256	0.034	4.2251
331	W180_1	LinStatic	0.56	-2.141	-0.027	13.1099	-0.1427	5.881
331	W180_2	LinStatic	0.81	-1.765	1.182	10.9973	-0.1187	4.6792
331	W90	LinStatic	-0.132	1.974	-8.234	-11.4309	0.1663	-5.7446
331	W270	LinStatic	0.328	-0.715	-1.488	3.832	0.0597	2.2349
331	SNOW	LinStatic	0.258	0.226	1.214	-1.3454	0.019	-0.8197
331	L_G1	LinStatic	0.206	0.181	0.971	-1.0763	0.0152	-0.6558
331	P_+x	LinStatic	2.554	0.312	7.668	-2.3824	0.207	-0.9022
331	P_-x	LinStatic	2.09	0.073	2.092	-0.5482	0.1464	-0.3069
331	P_+y	LinStatic	1.871	0.148	1.988	-1.1973	0.1737	-0.4788
331	P_-y	LinStatic	2.573	0.136	7.981	-0.9836	0.1414	-0.389
331	L_C	LinStatic	1.333	-0.466	4.507	2.481	0.0468	0.8948
331	Imp_x	LinStatic	-0.275	0.036	-8.867E-03	-0.1881	-0.014	-0.0705
331	Imp_y	LinStatic	0.018	-0.13	0.092	0.2701	4.906E-04	0.1704
331	TIERRAS	LinStatic	29.473	116.827	5.37	-126.1989	2.2874	-94.8242
331	SDEAD	LinStatic	-3.485	0.014	26.604	0.1308	-0.2435	0.1913
331	TFCO_G1	LinStatic	-0.191	-0.905	0.175	2.1114	-0.0179	-0.2212
331	TFCO_G2	LinStatic	-0.192	-0.907	0.17	2.1151	-0.018	-0.2239
331	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
331	T°	LinStatic	0.	0.	0.	0.	0.	0.
331	L_E	LinStatic	1.807	-1.541	4.66	4.6326	0.153	0.5743
331	CG	LinStatic	8.097	-3.225	154.151	25.6022	0.6584	8.9705
331	CG_DEAD	LinStatic	-2.654	2.932	134.42	-3.8304	-0.2372	-6.4453
338	DEAD	LinStatic	-5.399	1.521	135.842	-1.2098	-0.3193	-5.3394
338	W0_1	LinStatic	-2.028	-0.767	0.246	-0.0418	-0.2965	5.0907
338	W0_2	LinStatic	-1.599	-0.338	2.114	-1.0432	-0.2983	3.3502
338	W180_1	LinStatic	0.83	-2.076	-2.702	0.6254	0.295	6.6826
338	W180_2	LinStatic	1.304	-1.643	-0.7	-0.3108	0.3004	5.1179
338	W90	LinStatic	-1.325	1.576	-10.225	1.2539	-0.2173	-5.3144
338	W270	LinStatic	0.263	-0.474	-0.653	-0.2413	-0.0269	2.0642
338	SNOW	LinStatic	0.425	0.249	1.947	-0.601	0.0101	-1.0802
338	L_G1	LinStatic	0.34	0.199	1.557	-0.4808	0.0081	-0.8642
338	P_+x	LinStatic	2.541	0.294	13.051	0.0796	0.0803	-1.2446
338	P_-x	LinStatic	2.	0.057	3.788	-0.0325	0.127	-0.3854
338	P_+y	LinStatic	1.612	0.144	4.02	0.1279	0.0549	-0.586
338	P_-y	LinStatic	2.819	0.094	12.649	-0.0777	0.1751	-0.648
338	L_C	LinStatic	1.364	-0.593	5.443	0.6704	0.1473	1.1475
338	Imp_x	LinStatic	-0.278	0.045	0.11	-0.0812	-0.0277	-0.1145
338	Imp_y	LinStatic	0.03	-0.116	0.164	0.1732	0.0015	0.165
338	TIERRAS	LinStatic	33.36	99.428	-12.872	-78.4183	2.9635	-86.588
338	SDEAD	LinStatic	-4.545	-1.055E-04	24.875	0.1437	-0.3097	0.2262
338	TFCO_G1	LinStatic	-0.15	-0.933	0.377	2.2316	-0.0109	0.4846
338	TFCO_G2	LinStatic	-0.15	-0.935	0.371	2.2365	-0.0109	0.4841
338	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
338	T°	LinStatic	0.	0.	0.	0.	0.	0.

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
338	L_E	LinStatic	1.011	-1.845	2.439	3.8237	0.1506	3.0188
338	CG	LinStatic	3.817	-3.801	167.259	3.0227	0.1823	11.8739
338	CG_DEAD	LinStatic	-5.399	1.521	135.842	-1.2098	-0.3193	-5.3394
345	DEAD	LinStatic	-9.616	-0.683	139.053	2.6301	-0.8475	-2.9387
345	W0_1	LinStatic	-0.466	-0.436	2.848	1.2596	0.0075	2.2267
345	W0_2	LinStatic	0.345	2.869E-03	5.725	-0.0676	0.1184	0.0124
345	W180_1	LinStatic	-1.138	-2.154	-5.547	8.9959	-0.3284	7.5892
345	W180_2	LinStatic	-0.397	-1.688	-2.561	7.6608	-0.2281	5.5725
345	W90	LinStatic	-0.315	1.63	-13.517	-6.6011	0.1343	-3.7511
345	W270	LinStatic	0.745	-0.375	0.627	1.4737	0.0633	1.028
345	SNOW	LinStatic	0.609	0.234	2.919	-0.7766	0.0743	-1.3791
345	L_G1	LinStatic	0.487	0.188	2.335	-0.6212	0.0594	-1.1033
345	P_+x	LinStatic	2.356	0.141	18.612	-1.853	0.2337	-1.9008
345	P_-x	LinStatic	1.629	-8.264E-04	5.275	-0.3416	0.1383	-0.5132
345	P_+y	LinStatic	1.625	0.097	5.95	-1.0121	0.1665	-0.8962
345	P_-y	LinStatic	2.003	-0.081	17.323	-0.5638	0.152	-0.9665
345	L_C	LinStatic	0.529	-0.813	6.442	2.0997	-0.0326	1.5992
345	Imp_x	LinStatic	-0.194	0.052	0.309	-0.135	-0.0083	-0.1662
345	Imp_y	LinStatic	0.051	-0.108	0.31	0.115	9.889E-04	0.1333
345	TIERRAS	LinStatic	32.865	74.782	-57.871	-29.2556	2.3635	-55.5649
345	SDEAD	LinStatic	-5.383	-0.058	23.459	0.1925	-0.4285	0.3404
345	TFCO_G1	LinStatic	0.052	-0.654	1.161	1.4078	-0.0338	1.1349
345	TFCO_G2	LinStatic	0.052	-0.653	1.151	1.4094	-0.0338	1.1372
345	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
345	Tº	LinStatic	0.	0.	0.	0.	0.	0.
345	L_E	LinStatic	0.196	-1.961	-0.919	2.2225	-0.1105	4.0799
345	CG	LinStatic	-1.895	-6.089	182.23	15.1267	-0.4589	9.7621
345	CG_DEAD	LinStatic	-9.616	-0.683	139.053	2.6301	-0.8475	-2.9387
370	DEAD	LinStatic	-0.58	-2.027E-16	1.966	0.	0.	0.
370	W0_1	LinStatic	0.016	5.421E-18	-0.012	0.	0.	0.
370	W0_2	LinStatic	0.011	3.686E-18	-8.608E-03	0.	0.	0.
370	W180_1	LinStatic	-0.021	-7.454E-18	0.016	0.	0.	0.
370	W180_2	LinStatic	-0.027	-9.344E-18	0.021	0.	0.	0.
370	W90	LinStatic	-0.015	-5.285E-18	0.012	0.	0.	0.
370	W270	LinStatic	6.737E-03	2.711E-18	-5.318E-03	0.	0.	0.
370	SNOW	LinStatic	-2.073E-03	-7.047E-19	1.636E-03	0.	0.	0.
370	L_G1	LinStatic	-1.658E-03	-5.590E-19	1.309E-03	0.	0.	0.
370	P_+x	LinStatic	3.251E-03	1.152E-18	-2.567E-03	0.	0.	0.
370	P_-x	LinStatic	-8.200E-03	-2.887E-18	6.474E-03	0.	0.	0.
370	P_+y	LinStatic	-2.293E-03	-7.991E-19	1.810E-03	0.	0.	0.
370	P_-y	LinStatic	-1.863E-03	-6.467E-19	1.471E-03	0.	0.	0.
370	L_C	LinStatic	-3.391E-04	-1.186E-19	2.677E-04	0.	0.	0.
370	Imp_x	LinStatic	-7.040E-03	-1.407E-18	3.176E-03	0.	0.	0.
370	Imp_y	LinStatic	5.000E-04	-3.017E-03	-3.948E-04	0.	0.	0.
370	TIERRAS	LinStatic	0.198	7.286E-17	-0.157	0.	0.	0.
370	SDEAD	LinStatic	4.971E-03	1.735E-18	-3.924E-03	0.	0.	0.
370	TFCO_G1	LinStatic	-0.151	-5.334E-17	0.119	0.	0.	0.
370	TFCO_G2	LinStatic	0.141	4.987E-17	-0.112	0.	0.	0.
370	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
370	Tº	LinStatic	0.	0.	0.	0.	0.	0.
370	L_E	LinStatic	-2.495	-8.760E-16	9.232	0.	0.	0.
370	CG	LinStatic	-3.115	-1.094E-15	11.23	0.	0.	0.
370	CG_DEAD	LinStatic	-0.58	-2.027E-16	1.966	0.	0.	0.

8. Structure results

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Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
372	DEAD	LinStatic	-2.5	-8.762E-16	3.482	0.	0.	0.
372	W0_1	LinStatic	-0.468	-1.641E-16	0.37	0.	0.	0.
372	W0_2	LinStatic	-0.304	-1.067E-16	0.24	0.	0.	0.
372	W180_1	LinStatic	0.157	5.502E-17	-0.124	0.	0.	0.
372	W180_2	LinStatic	0.329	1.153E-16	-0.26	0.	0.	0.
372	W90	LinStatic	0.113	3.965E-17	-0.089	0.	0.	0.
372	W270	LinStatic	-0.012	-3.903E-18	9.141E-03	0.	0.	0.
372	SNOW	LinStatic	0.084	2.930E-17	-0.066	0.	0.	0.
372	L_G1	LinStatic	0.067	2.342E-17	-0.053	0.	0.	0.
372	P_+x	LinStatic	-0.019	-6.492E-18	0.015	0.	0.	0.
372	P_-x	LinStatic	0.133	4.665E-17	-0.105	0.	0.	0.
372	P_+y	LinStatic	0.044	1.559E-17	-0.035	0.	0.	0.
372	P_-y	LinStatic	0.04	1.392E-17	-0.031	0.	0.	0.
372	L_C	LinStatic	3.016E-03	1.056E-18	-2.381E-03	0.	0.	0.
372	Imp_x	LinStatic	-0.022	-6.535E-18	0.015	0.	0.	0.
372	Imp_y	LinStatic	-1.588E-03	-3.017E-03	1.254E-03	0.	0.	0.
372	TIERRAS	LinStatic	-1.443	-5.048E-16	1.139	0.	0.	0.
372	SDEAD	LinStatic	-0.02	-7.135E-18	0.016	0.	0.	0.
372	TFCO_G1	LinStatic	1.532	5.369E-16	-1.21	0.	0.	0.
372	TFCO_G2	LinStatic	-1.526	-5.343E-16	1.204	0.	0.	0.
372	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
372	Tº	LinStatic	0.	0.	0.	0.	0.	0.
372	L_E	LinStatic	-11.037	-3.869E-15	15.975	0.	0.	0.
372	CG	LinStatic	-13.436	-4.711E-15	19.378	0.	0.	0.
372	CG_DEAD	LinStatic	-2.5	-8.762E-16	3.482	0.	0.	0.
373	DEAD	LinStatic	0.795	-0.352	7.268	0.	0.	0.
373	W0_1	LinStatic	-0.05	9.872E-03	1.642E-03	0.	0.	0.
373	W0_2	LinStatic	-0.051	0.022	-0.132	0.	0.	0.
373	W180_1	LinStatic	0.025	0.018	0.037	0.	0.	0.
373	W180_2	LinStatic	0.028	0.029	-0.082	0.	0.	0.
373	W90	LinStatic	0.014	0.016	-7.415E-03	0.	0.	0.
373	W270	LinStatic	0.022	-0.034	0.187	0.	0.	0.
373	SNOW	LinStatic	-1.505E-03	6.487E-03	-0.076	0.	0.	0.
373	L_G1	LinStatic	-1.204E-03	5.190E-03	-0.061	0.	0.	0.
373	P_+x	LinStatic	-0.011	2.483E-03	-0.057	0.	0.	0.
373	P_-x	LinStatic	8.354E-03	7.953E-03	-0.047	0.	0.	0.
373	P_+y	LinStatic	-7.505E-04	4.208E-03	-0.039	0.	0.	0.
373	P_-y	LinStatic	-4.276E-04	3.605E-03	-0.034	0.	0.	0.
373	L_C	LinStatic	8.756E-04	-7.784E-05	3.595E-03	0.	0.	0.
373	Imp_x	LinStatic	-5.645E-03	7.336E-05	-0.012	0.	0.	0.
373	Imp_y	LinStatic	5.955E-04	-2.781E-03	5.624E-03	0.	0.	0.
373	TIERRAS	LinStatic	0.243	-0.577	3.14	0.	0.	0.
373	SDEAD	LinStatic	2.578E-04	-3.276E-03	0.015	0.	0.	0.
373	TFCO_G1	LinStatic	0.459	-0.061	1.948	0.	0.	0.
373	TFCO_G2	LinStatic	-0.469	0.072	-2.019	0.	0.	0.
373	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
373	Tº	LinStatic	0.	0.	0.	0.	0.	0.
373	L_E	LinStatic	3.341	-1.381	22.018	0.	0.	0.
373	CG	LinStatic	4.121	-1.646	29.04	0.	0.	0.
373	CG_DEAD	LinStatic	0.795	-0.352	7.268	0.	0.	0.
388	DEAD	LinStatic	0.	-1.076E-16	1.691	0.	0.	0.
388	W0_1	LinStatic	0.	1.626E-18	-2.455E-17	0.	0.	0.
388	W0_2	LinStatic	0.	-4.228E-18	-4.769E-16	0.	0.	0.

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
388	W180_1	LinStatic	0.	8.457E-18	-1.643E-15	0.	0.	0.
388	W180_2	LinStatic	0.	3.740E-18	-5.038E-16	0.	0.	0.
388	W90	LinStatic	0.	6.288E-18	2.502E-16	0.	0.	0.
388	W270	LinStatic	0.	2.494E-18	3.736E-16	0.	0.	0.
388	SNOW	LinStatic	0.	-2.927E-18	1.536E-16	0.	0.	0.
388	L_G1	LinStatic	0.	-3.144E-18	-5.913E-16	0.	0.	0.
388	P_+x	LinStatic	0.	-3.469E-18	-8.442E-16	0.	0.	0.
388	P_-x	LinStatic	0.	-5.150E-19	-3.980E-16	0.	0.	0.
388	P_+y	LinStatic	0.	-1.409E-18	2.553E-16	0.	0.	0.
388	P_-y	LinStatic	0.	-1.003E-18	-3.141E-17	0.	0.	0.
388	L_C	LinStatic	0.	2.575E-19	-1.364E-16	0.	0.	0.
388	Imp_x	LinStatic	0.	-1.020E-17	2.105E-03	0.	0.	0.
388	Imp_y	LinStatic	0.	-3.381E-03	8.782E-18	0.	0.	0.
388	TIERRAS	LinStatic	0.	4.077E-17	1.559E-14	0.	0.	0.
388	SDEAD	LinStatic	0.	1.965E-19	3.155E-18	0.	0.	0.
388	TFCO_G1	LinStatic	0.	-2.984E-16	7.195E-16	0.	0.	0.
388	TFCO_G2	LinStatic	0.	-3.123E-16	4.556E-16	0.	0.	0.
388	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
388	Tº	LinStatic	0.	0.	0.	0.	0.	0.
388	L_E	LinStatic	0.	-1.527E-16	8.107	0.	0.	0.
388	CG	LinStatic	0.	-1.856E-16	9.797	0.	0.	0.
388	CG_DEAD	LinStatic	0.	-1.076E-16	1.691	0.	0.	0.
389	DEAD	LinStatic	0.	7.112E-17	1.691	0.	0.	0.
389	W0_1	LinStatic	0.	4.337E-19	1.146E-16	0.	0.	0.
389	W0_2	LinStatic	0.	-4.879E-19	4.762E-17	0.	0.	0.
389	W180_1	LinStatic	0.	4.337E-19	-1.845E-15	0.	0.	0.
389	W180_2	LinStatic	0.	-1.084E-19	-7.200E-17	0.	0.	0.
389	W90	LinStatic	0.	6.505E-19	-1.362E-15	0.	0.	0.
389	W270	LinStatic	0.	-8.132E-20	1.360E-15	0.	0.	0.
389	SNOW	LinStatic	0.	-1.626E-19	-3.993E-16	0.	0.	0.
389	L_G1	LinStatic	0.	4.337E-19	7.069E-16	0.	0.	0.
389	P_+x	LinStatic	0.	5.421E-20	-1.817E-15	0.	0.	0.
389	P_-x	LinStatic	0.	-1.626E-19	2.717E-16	0.	0.	0.
389	P_+y	LinStatic	0.	-1.084E-19	-6.551E-16	0.	0.	0.
389	P_-y	LinStatic	0.	-8.132E-20	-8.209E-17	0.	0.	0.
389	L_C	LinStatic	0.	1.694E-20	-3.233E-16	0.	0.	0.
389	Imp_x	LinStatic	0.	-1.911E-07	2.105E-03	0.	0.	0.
389	Imp_y	LinStatic	0.	-3.381E-03	6.787E-08	0.	0.	0.
389	TIERRAS	LinStatic	0.	7.806E-18	-1.298E-14	0.	0.	0.
389	SDEAD	LinStatic	0.	2.711E-20	-6.014E-19	0.	0.	0.
389	TFCO_G1	LinStatic	0.	-2.776E-17	7.461E-16	0.	0.	0.
389	TFCO_G2	LinStatic	0.	-3.469E-18	6.282E-16	0.	0.	0.
389	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
389	Tº	LinStatic	0.	0.	0.	0.	0.	0.
389	L_E	LinStatic	0.	3.400E-16	8.107	0.	0.	0.
389	CG	LinStatic	0.	4.857E-16	9.797	0.	0.	0.
389	CG_DEAD	LinStatic	0.	7.112E-17	1.691	0.	0.	0.
390	DEAD	LinStatic	0.	2.299E-17	1.691	0.	0.	0.
390	W0_1	LinStatic	0.	4.337E-19	5.842E-17	0.	0.	0.
390	W0_2	LinStatic	0.	-6.505E-19	-2.980E-16	0.	0.	0.
390	W180_1	LinStatic	0.	1.518E-18	-5.006E-17	0.	0.	0.
390	W180_2	LinStatic	0.	4.337E-19	-5.130E-16	0.	0.	0.
390	W90	LinStatic	0.	1.897E-18	-6.817E-18	0.	0.	0.

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
390	W270	LinStatic	0.	2.711E-19	2.725E-16	0.	0.	0.
390	SNOW	LinStatic	0.	-7.047E-19	-6.725E-16	0.	0.	0.
390	L_G1	LinStatic	0.	-5.421E-19	1.718E-15	0.	0.	0.
390	P_+x	LinStatic	0.	-4.879E-19	-7.505E-16	0.	0.	0.
390	P_-x	LinStatic	0.	-8.809E-20	-1.051E-16	0.	0.	0.
390	P_+y	LinStatic	0.	-2.439E-19	1.458E-16	0.	0.	0.
390	P_-y	LinStatic	0.	-1.220E-19	-8.750E-16	0.	0.	0.
390	L_C	LinStatic	0.	-1.559E-19	-6.659E-17	0.	0.	0.
390	Imp_x	LinStatic	0.	-1.429E-07	2.105E-03	0.	0.	0.
390	Imp_y	LinStatic	0.	-3.381E-03	5.077E-08	0.	0.	0.
390	TIERRAS	LinStatic	0.	4.337E-18	1.539E-16	0.	0.	0.
390	SDEAD	LinStatic	0.	4.743E-20	1.375E-18	0.	0.	0.
390	TFCO_G1	LinStatic	0.	-8.327E-17	-3.912E-16	0.	0.	0.
390	TFCO_G2	LinStatic	0.	-7.980E-17	-2.483E-16	0.	0.	0.
390	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
390	T°	LinStatic	0.	0.	0.	0.	0.	0.
390	L_E	LinStatic	0.	1.058E-16	8.107	0.	0.	0.
390	CG	LinStatic	0.	2.411E-16	9.797	0.	0.	0.
390	CG_DEAD	LinStatic	0.	2.299E-17	1.691	0.	0.	0.
391	DEAD	LinStatic	0.	-3.296E-17	1.691	0.	0.	0.
391	W0_1	LinStatic	0.	2.304E-18	-8.186E-17	0.	0.	0.
391	W0_2	LinStatic	0.	-6.288E-18	1.680E-15	0.	0.	0.
391	W180_1	LinStatic	0.	1.171E-17	-3.941E-15	0.	0.	0.
391	W180_2	LinStatic	0.	4.662E-18	1.240E-15	0.	0.	0.
391	W90	LinStatic	0.	1.019E-17	1.335E-16	0.	0.	0.
391	W270	LinStatic	0.	3.158E-18	-1.507E-15	0.	0.	0.
391	SNOW	LinStatic	0.	-4.987E-18	4.217E-16	0.	0.	0.
391	L_G1	LinStatic	0.	-4.066E-18	-1.371E-15	0.	0.	0.
391	P_+x	LinStatic	0.	-4.391E-18	2.009E-15	0.	0.	0.
391	P_-x	LinStatic	0.	-8.132E-19	2.101E-16	0.	0.	0.
391	P_+y	LinStatic	0.	-1.979E-18	-5.544E-16	0.	0.	0.
391	P_-y	LinStatic	0.	-1.396E-18	-3.350E-17	0.	0.	0.
391	L_C	LinStatic	0.	1.355E-19	-2.004E-16	0.	0.	0.
391	Imp_x	LinStatic	0.	-1.911E-07	2.105E-03	0.	0.	0.
391	Imp_y	LinStatic	0.	-3.381E-03	6.787E-08	0.	0.	0.
391	TIERRAS	LinStatic	0.	6.245E-17	-4.485E-14	0.	0.	0.
391	SDEAD	LinStatic	0.	2.677E-19	7.319E-19	0.	0.	0.
391	TFCO_G1	LinStatic	0.	-4.129E-16	-3.023E-16	0.	0.	0.
391	TFCO_G2	LinStatic	0.	-4.337E-16	3.222E-16	0.	0.	0.
391	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
391	T°	LinStatic	0.	0.	0.	0.	0.	0.
391	L_E	LinStatic	0.	2.567E-16	8.107	0.	0.	0.
391	CG	LinStatic	0.	3.608E-16	9.797	0.	0.	0.
391	CG_DEAD	LinStatic	0.	-3.296E-17	1.691	0.	0.	0.
395	DEAD	LinStatic	0.	-1.457E-16	1.691	0.	0.	0.
395	W0_1	LinStatic	0.	2.711E-19	3.591E-16	0.	0.	0.
395	W0_2	LinStatic	0.	-2.711E-19	-1.882E-16	0.	0.	0.
395	W180_1	LinStatic	0.	2.385E-18	-7.256E-16	0.	0.	0.
395	W180_2	LinStatic	0.	5.421E-19	6.659E-16	0.	0.	0.
395	W90	LinStatic	0.	2.656E-18	-3.249E-16	0.	0.	0.
395	W270	LinStatic	0.	3.795E-19	-9.077E-17	0.	0.	0.
395	SNOW	LinStatic	0.	-1.030E-18	-1.397E-15	0.	0.	0.
395	L_G1	LinStatic	0.	-4.337E-19	7.506E-17	0.	0.	0.

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
395	P_+x	LinStatic	0.	-2.711E-20	-3.531E-16	0.	0.	0.
395	P_-x	LinStatic	0.	-6.099E-20	2.832E-16	0.	0.	0.
395	P_+y	LinStatic	0.	-4.066E-19	1.564E-17	0.	0.	0.
395	P_-y	LinStatic	0.	-1.084E-19	-3.855E-16	0.	0.	0.
395	L_C	LinStatic	0.	-1.284E-18	3.990E-16	0.	0.	0.
395	Imp_x	LinStatic	0.	-2.859E-07	2.105E-03	0.	0.	0.
395	Imp_y	LinStatic	0.	-3.381E-03	1.015E-07	0.	0.	0.
395	TIERRAS	LinStatic	0.	2.168E-18	-1.714E-14	0.	0.	0.
395	SDEAD	LinStatic	0.	6.099E-20	1.874E-19	0.	0.	0.
395	TFCO_G1	LinStatic	0.	-1.145E-16	3.191E-16	0.	0.	0.
395	TFCO_G2	LinStatic	0.	-1.041E-16	-5.855E-18	0.	0.	0.
395	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
395	T°	LinStatic	0.	0.	0.	0.	0.	0.
395	L_E	LinStatic	0.	-5.794E-16	8.107	0.	0.	0.
395	CG	LinStatic	0.	-6.661E-16	9.797	0.	0.	0.
395	CG_DEAD	LinStatic	0.	-1.457E-16	1.691	0.	0.	0.
396	DEAD	LinStatic	0.	-2.689E-17	1.691	0.	0.	0.
396	W0_1	LinStatic	0.	1.423E-18	8.196E-16	0.	0.	0.
396	W0_2	LinStatic	0.	-5.204E-18	4.170E-16	0.	0.	0.
396	W180_1	LinStatic	0.	8.240E-18	6.109E-16	0.	0.	0.
396	W180_2	LinStatic	0.	3.009E-18	-2.414E-16	0.	0.	0.
396	W90	LinStatic	0.	9.216E-18	-5.680E-16	0.	0.	0.
396	W270	LinStatic	0.	2.304E-18	-3.109E-16	0.	0.	0.
396	SNOW	LinStatic	0.	-4.066E-18	-5.260E-16	0.	0.	0.
396	L_G1	LinStatic	0.	-3.198E-18	-4.851E-16	0.	0.	0.
396	P_+x	LinStatic	0.	-3.578E-18	1.001E-15	0.	0.	0.
396	P_-x	LinStatic	0.	-6.099E-19	4.295E-16	0.	0.	0.
396	P_+y	LinStatic	0.	-1.572E-18	1.451E-16	0.	0.	0.
396	P_-y	LinStatic	0.	-1.050E-18	-5.342E-17	0.	0.	0.
396	L_C	LinStatic	0.	-1.304E-19	2.024E-16	0.	0.	0.
396	Imp_x	LinStatic	0.	-1.911E-07	2.105E-03	0.	0.	0.
396	Imp_y	LinStatic	0.	-3.381E-03	6.787E-08	0.	0.	0.
396	TIERRAS	LinStatic	0.	6.072E-17	-3.145E-14	0.	0.	0.
396	SDEAD	LinStatic	0.	1.847E-19	1.044E-19	0.	0.	0.
396	TFCO_G1	LinStatic	0.	-3.539E-16	-1.934E-16	0.	0.	0.
396	TFCO_G2	LinStatic	0.	-3.435E-16	1.026E-16	0.	0.	0.
396	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
396	T°	LinStatic	0.	0.	0.	0.	0.	0.
396	L_E	LinStatic	0.	3.053E-16	8.107	0.	0.	0.
396	CG	LinStatic	0.	3.192E-16	9.797	0.	0.	0.
396	CG_DEAD	LinStatic	0.	-2.689E-17	1.691	0.	0.	0.
397	DEAD	LinStatic	0.	2.888E-16	1.691	0.	0.	0.
397	W0_1	LinStatic	0.	7.318E-19	-1.177E-15	0.	0.	0.
397	W0_2	LinStatic	0.	-3.578E-18	-3.271E-16	0.	0.	0.
397	W180_1	LinStatic	0.	4.770E-18	7.036E-16	0.	0.	0.
397	W180_2	LinStatic	0.	1.098E-18	1.524E-16	0.	0.	0.
397	W90	LinStatic	0.	6.451E-18	-1.580E-17	0.	0.	0.
397	W270	LinStatic	0.	2.385E-18	2.837E-17	0.	0.	0.
397	SNOW	LinStatic	0.	-2.521E-18	8.239E-16	0.	0.	0.
397	L_G1	LinStatic	0.	-2.087E-18	4.495E-16	0.	0.	0.
397	P_+x	LinStatic	0.	-2.141E-18	9.972E-16	0.	0.	0.
397	P_-x	LinStatic	0.	-3.456E-19	6.975E-17	0.	0.	0.
397	P_+y	LinStatic	0.	-9.351E-19	-2.561E-17	0.	0.	0.

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
397	P_y	LinStatic	0.	-6.912E-19	6.735E-16	0.	0.	0.
397	L_C	LinStatic	0.	-4.405E-19	-5.257E-16	0.	0.	0.
397	Imp_x	LinStatic	0.	-4.288E-07	2.105E-03	0.	0.	0.
397	Imp_y	LinStatic	0.	-3.381E-03	1.523E-07	0.	0.	0.
397	TIERRAS	LinStatic	0.	5.378E-17	-5.683E-14	0.	0.	0.
397	SDEAD	LinStatic	0.	9.233E-20	-1.180E-19	0.	0.	0.
397	TFCO_G1	LinStatic	0.	-2.498E-16	-5.486E-17	0.	0.	0.
397	TFCO_G2	LinStatic	0.	-2.359E-16	4.922E-17	0.	0.	0.
397	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
397	T°	LinStatic	0.	0.	0.	0.	0.	0.
397	L_E	LinStatic	0.	1.638E-15	8.107	0.	0.	0.
397	CG	LinStatic	0.	1.915E-15	9.797	0.	0.	0.
397	CG_DEAD	LinStatic	0.	2.888E-16	1.691	0.	0.	0.
398	DEAD	LinStatic	0.	-4.250E-17	1.691	0.	0.	0.
398	W0_1	LinStatic	0.	1.491E-19	1.997E-15	0.	0.	0.
398	W0_2	LinStatic	0.	-1.626E-18	1.596E-15	0.	0.	0.
398	W180_1	LinStatic	0.	1.897E-18	4.561E-15	0.	0.	0.
398	W180_2	LinStatic	0.	3.354E-19	-3.628E-15	0.	0.	0.
398	W90	LinStatic	0.	3.469E-18	4.630E-17	0.	0.	0.
398	W270	LinStatic	0.	5.963E-19	-2.798E-17	0.	0.	0.
398	SNOW	LinStatic	0.	-1.084E-18	1.492E-16	0.	0.	0.
398	L_G1	LinStatic	0.	-8.403E-19	-2.917E-16	0.	0.	0.
398	P_+x	LinStatic	0.	-9.216E-19	1.042E-15	0.	0.	0.
398	P_-x	LinStatic	0.	-1.559E-19	3.196E-16	0.	0.	0.
398	P_+y	LinStatic	0.	-4.201E-19	-7.167E-17	0.	0.	0.
398	P_-y	LinStatic	0.	-2.711E-19	-2.358E-16	0.	0.	0.
398	L_C	LinStatic	0.	-2.575E-19	-1.084E-15	0.	0.	0.
398	Imp_x	LinStatic	0.	-1.911E-07	2.105E-03	0.	0.	0.
398	Imp_y	LinStatic	0.	-3.381E-03	6.787E-08	0.	0.	0.
398	TIERRAS	LinStatic	0.	2.299E-17	1.845E-14	0.	0.	0.
398	SDEAD	LinStatic	0.	3.303E-20	1.752E-19	0.	0.	0.
398	TFCO_G1	LinStatic	0.	-1.058E-16	-1.015E-16	0.	0.	0.
398	TFCO_G2	LinStatic	0.	-1.110E-16	-2.461E-17	0.	0.	0.
398	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
398	T°	LinStatic	0.	0.	0.	0.	0.	0.
398	L_E	LinStatic	0.	-1.804E-16	8.107	0.	0.	0.
398	CG	LinStatic	0.	-1.041E-16	9.797	0.	0.	0.
398	CG_DEAD	LinStatic	0.	-4.250E-17	1.691	0.	0.	0.
399	DEAD	LinStatic	0.	1.301E-16	1.691	0.	0.	0.
399	W0_1	LinStatic	0.	-2.832E-18	2.290E-15	0.	0.	0.
399	W0_2	LinStatic	0.	-5.150E-19	2.473E-15	0.	0.	0.
399	W180_1	LinStatic	0.	1.453E-17	8.133E-16	0.	0.	0.
399	W180_2	LinStatic	0.	3.669E-18	-2.071E-16	0.	0.	0.
399	W90	LinStatic	0.	-6.776E-19	2.863E-16	0.	0.	0.
399	W270	LinStatic	0.	-3.524E-19	3.648E-16	0.	0.	0.
399	SNOW	LinStatic	0.	-1.802E-18	6.780E-16	0.	0.	0.
399	L_G1	LinStatic	0.	-2.101E-18	3.787E-16	0.	0.	0.
399	P_+x	LinStatic	0.	2.033E-18	1.078E-15	0.	0.	0.
399	P_-x	LinStatic	0.	-1.321E-19	2.502E-16	0.	0.	0.
399	P_+y	LinStatic	0.	-1.457E-18	-2.304E-17	0.	0.	0.
399	P_-y	LinStatic	0.	-8.809E-19	6.214E-16	0.	0.	0.
399	L_C	LinStatic	0.	2.982E-18	-2.995E-15	0.	0.	0.
399	Imp_x	LinStatic	0.	-5.717E-07	2.105E-03	0.	0.	0.

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
399	Imp_y	LinStatic	0.	-3.381E-03	2.031E-07	0.	0.	0.
399	TIERRAS	LinStatic	0.	8.413E-17	-3.701E-14	0.	0.	0.
399	SDEAD	LinStatic	0.	0.	2.549E-19	0.	0.	0.
399	TFCO_G1	LinStatic	0.	1.214E-17	-1.480E-17	0.	0.	0.
399	TFCO_G2	LinStatic	0.	8.674E-18	2.982E-18	0.	0.	0.
399	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
399	T°	LinStatic	0.	0.	0.	0.	0.	0.
399	L_E	LinStatic	0.	1.110E-16	8.107	0.	0.	0.
399	CG	LinStatic	0.	3.747E-16	9.797	0.	0.	0.
399	CG_DEAD	LinStatic	0.	1.301E-16	1.691	0.	0.	0.
400	DEAD	LinStatic	0.	3.123E-17	1.691	0.	0.	0.
400	W0_1	LinStatic	0.	-4.201E-19	-6.711E-17	0.	0.	0.
400	W0_2	LinStatic	0.	-2.873E-18	1.224E-15	0.	0.	0.
400	W180_1	LinStatic	0.	8.655E-19	5.390E-15	0.	0.	0.
400	W180_2	LinStatic	0.	-8.945E-19	-1.480E-15	0.	0.	0.
400	W90	LinStatic	0.	6.397E-18	-2.625E-16	0.	0.	0.
400	W270	LinStatic	0.	3.795E-19	5.107E-17	0.	0.	0.
400	SNOW	LinStatic	0.	-1.396E-18	1.504E-15	0.	0.	0.
400	L_G1	LinStatic	0.	-1.111E-18	1.869E-16	0.	0.	0.
400	P_+x	LinStatic	0.	-1.125E-18	7.393E-16	0.	0.	0.
400	P_-x	LinStatic	0.	-1.508E-19	1.300E-16	0.	0.	0.
400	P_+y	LinStatic	0.	-4.608E-19	-5.936E-17	0.	0.	0.
400	P_-y	LinStatic	0.	-2.456E-19	1.194E-16	0.	0.	0.
400	L_C	LinStatic	0.	-7.793E-19	-5.068E-16	0.	0.	0.
400	Imp_x	LinStatic	0.	-1.911E-07	2.105E-03	0.	0.	0.
400	Imp_y	LinStatic	0.	-3.381E-03	6.787E-08	0.	0.	0.
400	TIERRAS	LinStatic	0.	4.467E-17	-1.160E-14	0.	0.	0.
400	SDEAD	LinStatic	0.	0.	-2.447E-19	0.	0.	0.
400	TFCO_G1	LinStatic	0.	-1.527E-16	3.280E-17	0.	0.	0.
400	TFCO_G2	LinStatic	0.	-1.596E-16	5.421E-20	0.	0.	0.
400	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
400	T°	LinStatic	0.	0.	0.	0.	0.	0.
400	L_E	LinStatic	0.	3.886E-16	8.107	0.	0.	0.
400	CG	LinStatic	0.	4.302E-16	9.797	0.	0.	0.
400	CG_DEAD	LinStatic	0.	3.123E-17	1.691	0.	0.	0.
401	DEAD	LinStatic	0.	-5.378E-17	1.691	0.	0.	0.
401	W0_1	LinStatic	0.	-2.033E-18	3.889E-16	0.	0.	0.
401	W0_2	LinStatic	0.	-8.755E-18	1.259E-15	0.	0.	0.
401	W180_1	LinStatic	0.	-2.450E-18	-2.935E-15	0.	0.	0.
401	W180_2	LinStatic	0.	4.879E-18	-8.965E-16	0.	0.	0.
401	W90	LinStatic	0.	3.117E-18	9.036E-17	0.	0.	0.
401	W270	LinStatic	0.	-8.132E-19	8.606E-17	0.	0.	0.
401	SNOW	LinStatic	0.	-7.657E-19	1.507E-15	0.	0.	0.
401	L_G1	LinStatic	0.	-1.911E-18	6.674E-16	0.	0.	0.
401	P_+x	LinStatic	0.	-3.029E-18	1.757E-16	0.	0.	0.
401	P_-x	LinStatic	0.	-1.825E-19	5.338E-16	0.	0.	0.
401	P_+y	LinStatic	0.	-5.438E-19	3.517E-16	0.	0.	0.
401	P_-y	LinStatic	0.	5.082E-20	3.527E-16	0.	0.	0.
401	L_C	LinStatic	0.	-1.626E-19	-5.884E-16	0.	0.	0.
401	Imp_x	LinStatic	0.	-5.717E-07	2.105E-03	0.	0.	0.
401	Imp_y	LinStatic	0.	-3.381E-03	2.031E-07	0.	0.	0.
401	TIERRAS	LinStatic	0.	-2.559E-17	-1.602E-14	0.	0.	0.
401	SDEAD	LinStatic	0.	-3.090E-20	6.456E-19	0.	0.	0.

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
401	TFCO_G1	LinStatic	0.	-7.806E-17	-1.431E-17	0.	0.	0.
401	TFCO_G2	LinStatic	0.	-6.245E-17	-1.160E-17	0.	0.	0.
401	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
401	T°	LinStatic	0.	0.	0.	0.	0.	0.
401	L_E	LinStatic	0.	-2.220E-16	8.107	0.	0.	0.
401	CG	LinStatic	0.	-5.135E-16	9.797	0.	0.	0.
401	CG_DEAD	LinStatic	0.	-5.378E-17	1.691	0.	0.	0.
402	DEAD	LinStatic	0.	1.561E-17	1.691	0.	0.	0.
402	W0_1	LinStatic	0.	-1.247E-18	3.696E-16	0.	0.	0.
402	W0_2	LinStatic	0.	-2.385E-18	2.717E-15	0.	0.	0.
402	W180_1	LinStatic	0.	-1.681E-18	-5.813E-15	0.	0.	0.
402	W180_2	LinStatic	0.	-2.439E-18	-5.459E-16	0.	0.	0.
402	W90	LinStatic	0.	6.288E-18	-4.490E-17	0.	0.	0.
402	W270	LinStatic	0.	-1.626E-19	-2.166E-16	0.	0.	0.
402	SNOW	LinStatic	0.	-6.776E-19	1.240E-15	0.	0.	0.
402	L_G1	LinStatic	0.	-5.557E-19	-1.382E-18	0.	0.	0.
402	P_+x	LinStatic	0.	-4.743E-19	1.453E-15	0.	0.	0.
402	P_-x	LinStatic	0.	-1.043E-20	3.229E-16	0.	0.	0.
402	P_+y	LinStatic	0.	-1.491E-19	-2.290E-17	0.	0.	0.
402	P_-y	LinStatic	0.	-3.049E-20	-1.765E-16	0.	0.	0.
402	L_C	LinStatic	0.	-1.193E-18	8.733E-16	0.	0.	0.
402	Imp_x	LinStatic	0.	-1.911E-07	2.105E-03	0.	0.	0.
402	Imp_y	LinStatic	0.	-3.381E-03	6.787E-08	0.	0.	0.
402	TIERRAS	LinStatic	0.	5.161E-17	1.057E-15	0.	0.	0.
402	SDEAD	LinStatic	0.	-7.708E-20	1.321E-18	0.	0.	0.
402	TFCO_G1	LinStatic	0.	-1.232E-16	-2.819E-18	0.	0.	0.
402	TFCO_G2	LinStatic	0.	-1.249E-16	-3.740E-18	0.	0.	0.
402	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
402	T°	LinStatic	0.	0.	0.	0.	0.	0.
402	L_E	LinStatic	0.	2.567E-16	8.107	0.	0.	0.
402	CG	LinStatic	0.	1.110E-16	9.797	0.	0.	0.
402	CG_DEAD	LinStatic	0.	1.561E-17	1.691	0.	0.	0.
403	DEAD	LinStatic	0.	1.266E-16	1.691	0.	0.	0.
403	W0_1	LinStatic	0.	-1.084E-18	-9.232E-16	0.	0.	0.
403	W0_2	LinStatic	0.	-1.355E-18	1.044E-15	0.	0.	0.
403	W180_1	LinStatic	0.	-1.789E-18	-4.355E-15	0.	0.	0.
403	W180_2	LinStatic	0.	-1.897E-18	-2.831E-16	0.	0.	0.
403	W90	LinStatic	0.	3.469E-18	-7.926E-17	0.	0.	0.
403	W270	LinStatic	0.	-5.150E-19	-8.436E-18	0.	0.	0.
403	SNOW	LinStatic	0.	-1.203E-19	4.132E-16	0.	0.	0.
403	L_G1	LinStatic	0.	-1.076E-19	5.301E-16	0.	0.	0.
403	P_+x	LinStatic	0.	2.711E-20	-1.049E-15	0.	0.	0.
403	P_-x	LinStatic	0.	4.150E-20	9.896E-17	0.	0.	0.
403	P_+y	LinStatic	0.	1.355E-20	3.604E-16	0.	0.	0.
403	P_-y	LinStatic	0.	8.809E-20	6.431E-17	0.	0.	0.
403	L_C	LinStatic	0.	-7.047E-19	-1.241E-15	0.	0.	0.
403	Imp_x	LinStatic	0.	-1.911E-07	2.105E-03	0.	0.	0.
403	Imp_y	LinStatic	0.	-3.381E-03	6.787E-08	0.	0.	0.
403	TIERRAS	LinStatic	0.	2.862E-17	-3.272E-14	0.	0.	0.
403	SDEAD	LinStatic	0.	-5.506E-20	-1.420E-18	0.	0.	0.
403	TFCO_G1	LinStatic	0.	-5.464E-17	1.133E-17	0.	0.	0.
403	TFCO_G2	LinStatic	0.	-5.291E-17	1.453E-17	0.	0.	0.

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
403	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
403	T°	LinStatic	0.	0.	0.	0.	0.	0.
403	L_E	LinStatic	0.	6.661E-16	8.107	0.	0.	0.
403	CG	LinStatic	0.	6.800E-16	9.797	0.	0.	0.
403	CG_DEAD	LinStatic	0.	1.266E-16	1.691	0.	0.	0.
404	DEAD	LinStatic	0.	4.163E-16	1.691	0.	0.	0.
404	W0_1	LinStatic	0.	-7.115E-19	1.378E-15	0.	0.	0.
404	W0_2	LinStatic	0.	-1.293E-18	1.030E-15	0.	0.	0.
404	W180_1	LinStatic	0.	-3.226E-18	-4.342E-15	0.	0.	0.
404	W180_2	LinStatic	0.	-2.196E-18	-1.327E-16	0.	0.	0.
404	W90	LinStatic	0.	2.711E-18	1.836E-16	0.	0.	0.
404	W270	LinStatic	0.	5.150E-19	3.528E-16	0.	0.	0.
404	SNOW	LinStatic	0.	-1.101E-20	-1.860E-16	0.	0.	0.
404	L_G1	LinStatic	0.	-4.235E-20	1.097E-15	0.	0.	0.
404	P_+x	LinStatic	0.	2.812E-19	1.238E-15	0.	0.	0.
404	P_-x	LinStatic	0.	1.542E-19	2.951E-16	0.	0.	0.
404	P_+y	LinStatic	0.	1.389E-19	4.053E-16	0.	0.	0.
404	P_-y	LinStatic	0.	4.299E-20	1.494E-16	0.	0.	0.
404	L_C	LinStatic	0.	-1.179E-18	3.528E-16	0.	0.	0.
404	Imp_x	LinStatic	0.	-7.147E-07	2.105E-03	0.	0.	0.
404	Imp_y	LinStatic	0.	-3.381E-03	2.538E-07	0.	0.	0.
404	TIERRAS	LinStatic	0.	3.079E-17	-3.363E-15	0.	0.	0.
404	SDEAD	LinStatic	0.	-1.525E-20	5.887E-19	0.	0.	0.
404	TFCO_G1	LinStatic	0.	-5.204E-17	-2.209E-17	0.	0.	0.
404	TFCO_G2	LinStatic	0.	-5.291E-17	-1.746E-17	0.	0.	0.
404	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
404	T°	LinStatic	0.	0.	0.	0.	0.	0.
404	L_E	LinStatic	0.	2.082E-15	8.107	0.	0.	0.
404	CG	LinStatic	0.	2.359E-15	9.797	0.	0.	0.
404	CG_DEAD	LinStatic	0.	4.163E-16	1.691	0.	0.	0.
411	DEAD	LinStatic	9.91	-0.106	137.799	-0.7688	0.7717	-6.5354
411	W0_1	LinStatic	2.333	3.893	-10.037	-14.052	0.5704	14.1525
411	W0_2	LinStatic	0.974	2.729	-3.904	-10.8902	0.3613	9.3979
411	W180_1	LinStatic	-0.405	0.56	2.945	-2.2891	-0.0623	1.8858
411	W180_2	LinStatic	-1.613	-0.601	8.333	1.0174	-0.2689	-2.7465
411	W90	LinStatic	-0.015	0.363	1.372	-1.7034	9.950E-04	1.3798
411	W270	LinStatic	0.814	-1.274	-4.89	4.9723	-0.0264	-3.2506
411	SNOW	LinStatic	-0.683	-0.639	2.94	1.6105	-0.105	-2.5612
411	L_G1	LinStatic	-0.546	-0.511	2.352	1.2884	-0.084	-2.0489
411	P_+x	LinStatic	-1.576	-0.013	5.215	0.3256	-0.1304	-0.5279
411	P_-x	LinStatic	-2.448	-0.274	19.088	2.4062	-0.2588	-2.3533
411	P_+y	LinStatic	-1.891	0.045	16.844	0.5418	-0.1338	-0.9999
411	P_-y	LinStatic	-1.705	-0.112	6.442	1.2339	-0.1851	-0.9912
411	L_C	LinStatic	6.362E-03	1.968E-03	0.016	-0.0036	6.196E-04	0.0018
411	Imp_x	LinStatic	-0.204	0.033	-0.248	-0.0659	-0.0122	0.0996
411	Imp_y	LinStatic	0.035	-0.099	-0.211	0.0946	-9.935E-05	-0.1438
411	TIERRAS	LinStatic	-32.93	-74.757	-57.04	28.8607	-2.3611	-55.2055
411	SDEAD	LinStatic	3.887	0.77	39.588	-1.0166	0.3376	-0.6106
411	TFCO_G1	LinStatic	2.011	0.048	2.003	-0.089	0.1745	0.5303
411	TFCO_G2	LinStatic	-3.864	-5.855E-03	-4.299	0.1123	-0.3303	-0.0925
411	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
411	T°	LinStatic	0.	0.	0.	0.	0.	0.

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
411	L_E	LinStatic	2.125	0.264	5.049	-0.4709	0.1626	-0.137
411	CG	LinStatic	5.825	4.838	187.212	-18.0703	0.6968	6.7149
411	CG_DEAD	LinStatic	9.91	-0.106	137.799	-0.7688	0.7717	-6.5354
423	DEAD	LinStatic	7.547	-2.369	132.721	3.3183	0.5735	-8.0139
423	W0_1	LinStatic	-0.654	3.838	-4.627	-2.8252	-0.3893	13.0722
423	W0_2	LinStatic	-1.222	2.754	-1.084	-0.4654	-0.3559	9.4976
423	W180_1	LinStatic	0.563	0.69	0.911	0.057	0.1671	2.9659
423	W180_2	LinStatic	0.299	-0.38	3.944	2.2202	0.2387	-0.4742
423	W90	LinStatic	0.32	0.476	-0.086	0.4046	0.0544	2.3545
423	W270	LinStatic	1.191	-1.362	-4.249	-0.9877	0.1444	-5.0893
423	SNOW	LinStatic	-0.303	-0.591	1.676	1.3698	0.0093	-1.9449
423	L_G1	LinStatic	-0.242	-0.473	1.341	1.0958	0.0074	-1.5559
423	P_+x	LinStatic	-1.985	-0.067	3.732	0.0727	-0.1328	-0.4037
423	P_-x	LinStatic	-2.448	-0.415	13.172	-0.0312	-0.0542	-1.5563
423	P_+y	LinStatic	-2.816	-0.121	12.255	0.1904	-0.1955	-0.7
423	P_-y	LinStatic	-1.562	-0.162	4.353	-0.2378	-0.0305	-0.6268
423	L_C	LinStatic	9.144E-03	1.251E-03	9.007E-03	-7.694E-05	7.134E-04	0.0036
423	Imp_x	LinStatic	-0.255	0.028	-0.106	-0.0651	-0.0222	0.068
423	Imp_y	LinStatic	0.02	-0.11	-0.107	0.1664	0.0011	-0.1799
423	TIERRAS	LinStatic	-33.422	-99.459	-12.366	78.5051	-2.969	-86.1685
423	SDEAD	LinStatic	3.181	0.358	35.977	-0.4632	0.2551	-0.6163
423	TFCO_G1	LinStatic	2.47	0.013	1.335	-0.1305	0.1804	0.7646
423	TFCO_G2	LinStatic	-4.53	9.196E-03	-2.959	-0.0901	-0.337	-0.0532
423	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
423	Tº	LinStatic	0.	0.	0.	0.	0.	0.
423	L_E	LinStatic	2.577	0.29	4.063	0.61	0.2086	-0.1394
423	CG	LinStatic	1.517	2.584	166.79	3.6956	0.2386	8.9453
423	CG_DEAD	LinStatic	7.547	-2.369	132.721	3.3183	0.5735	-8.0139
430	DEAD	LinStatic	5.097	-3.656	131.408	7.3748	0.3603	-7.8838
430	W0_1	LinStatic	-0.852	3.987	0.116	-22.9088	0.1657	11.1797
430	W0_2	LinStatic	-0.804	3.061	1.654	-17.942	0.1554	8.6648
430	W180_1	LinStatic	-0.09	0.974	-0.626	-5.4198	-0.1363	3.012
430	W180_2	LinStatic	0.099	0.064	0.612	-0.4478	-0.1613	0.5677
430	W90	LinStatic	0.396	0.732	-1.096	-4.1205	0.0196	2.5871
430	W270	LinStatic	0.843	-1.809	-4.225	10.1032	0.0092	-5.3331
430	SNOW	LinStatic	0.086	-0.502	0.724	2.619	0.0081	-1.3571
430	L_G1	LinStatic	0.069	-0.401	0.579	2.0952	0.0065	-1.0857
430	P_+x	LinStatic	-2.016	-0.08	2.051	0.5546	-0.1313	-0.3067
430	P_-x	LinStatic	-2.464	-0.416	7.499	3.0465	-0.2117	-1.1405
430	P_+y	LinStatic	-2.399	-0.157	7.683	1.0325	-0.101	-0.4065
430	P_-y	LinStatic	-1.955	-0.166	2.168	1.3919	-0.2034	-0.5259
430	L_C	LinStatic	0.011	1.090E-03	7.247E-03	-0.005	8.252E-04	0.0057
430	Imp_x	LinStatic	-0.259	0.022	-0.032	-0.1016	-0.0158	0.0361
430	Imp_y	LinStatic	0.012	-0.126	-0.058	0.2605	2.136E-04	-0.1869
430	TIERRAS	LinStatic	-29.414	-116.839	5.563	125.4312	-2.2768	-94.4101
430	SDEAD	LinStatic	2.277	0.207	34.328	-0.3525	0.1794	-0.4565
430	TFCO_G1	LinStatic	2.981	0.026	1.276	-0.4836	0.2194	1.0768
430	TFCO_G2	LinStatic	-5.046	0.011	-2.654	-0.0163	-0.3827	-0.1132
430	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
430	Tº	LinStatic	0.	0.	0.	0.	0.	0.
430	L_E	LinStatic	2.718	0.336	4.054	0.2862	0.1825	0.2242
430	CG	LinStatic	-1.33	2.369	152.028	-24.4351	-0.0433	9.2878
430	CG_DEAD	LinStatic	5.097	-3.656	131.408	7.3748	0.3603	-7.8838

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
437	DEAD	LinStatic	3.814	-4.546	130.304	10.0305	0.2949	-6.9166
437	W0_1	LinStatic	-4.752	4.005	2.682	-9.5773	-0.6616	8.0287
437	W0_2	LinStatic	-3.852	3.267	3.154	-6.296	-0.5505	6.8927
437	W180_1	LinStatic	1.554	1.246	-1.632	-2.0509	0.2815	3.3538
437	W180_2	LinStatic	2.771	0.526	-1.277	1.0725	0.4411	2.3024
437	W90	LinStatic	0.786	0.974	-1.749	-1.5017	0.0796	2.9424
437	W270	LinStatic	1.404	-2.241	-4.272	2.9543	0.1463	-5.6916
437	SNOW	LinStatic	0.428	-0.4	0.252	1.8338	0.0435	-0.6351
437	L_G1	LinStatic	0.343	-0.32	0.201	1.467	0.0348	-0.5081
437	P_+x	LinStatic	-1.917	-0.077	0.579	0.2057	-0.137	-0.1994
437	P_-x	LinStatic	-0.751	-0.342	3.019	0.7129	0.0526	-0.2546
437	P_+y	LinStatic	-2.015	-0.148	3.844	0.3561	-0.1697	-0.1094
437	P_-y	LinStatic	-0.979	-0.136	0.405	0.1729	0.0253	-0.1336
437	L_C	LinStatic	0.013	1.200E-03	7.277E-03	-0.0034	9.128E-04	0.0079
437	Imp_x	LinStatic	-0.303	0.017	5.577E-03	-0.0673	-0.0254	0.0046
437	Imp_y	LinStatic	7.262E-03	-0.14	-0.026	0.3195	3.726E-04	-0.1755
437	TIERRAS	LinStatic	-24.753	-129.52	15.13	166.4898	-1.8997	-89.5668
437	SDEAD	LinStatic	1.633	0.13	32.973	-0.2211	0.13	-0.3612
437	TFCO_G1	LinStatic	3.619	0.073	1.58	-0.8411	0.2581	1.3448
437	TFCO_G2	LinStatic	-5.44	2.946E-03	-2.651	-0.0798	-0.3965	-0.1473
437	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
437	T°	LinStatic	0.	0.	0.	0.	0.	0.
437	L_E	LinStatic	3.188	0.35	4.573	1.0731	0.2402	0.7361
437	CG	LinStatic	-0.31	2.479	139.887	-1.0175	0.0873	10.3238
437	CG_DEAD	LinStatic	3.814	-4.546	130.304	10.0305	0.2949	-6.9166
444	DEAD	LinStatic	2.857	-5.181	129.53	12.4538	0.206	-5.7112
444	W0_1	LinStatic	-3.984	4.235	3.587	-25.5858	-0.0361	5.7691
444	W0_2	LinStatic	-2.946	3.631	3.611	-21.5571	0.0192	5.2154
444	W180_1	LinStatic	0.804	1.547	-2.124	-8.5718	-0.097	2.8477
444	W180_2	LinStatic	1.925	0.96	-2.074	-4.608	-0.0655	2.3426
444	W90	LinStatic	0.893	1.241	-2.079	-6.925	0.0603	2.5049
444	W270	LinStatic	1.358	-2.749	-4.183	15.3692	0.0709	-4.6274
444	SNOW	LinStatic	0.544	-0.328	0.074	2.1511	0.04	-0.3093
444	L_G1	LinStatic	0.436	-0.262	0.059	1.7208	0.032	-0.2474
444	P_+x	LinStatic	-1.665	-0.078	-0.534	0.5256	-0.0992	-0.1838
444	P_-x	LinStatic	-3.680E-03	-0.293	0.075	2.1891	-0.0262	-0.1241
444	P_+y	LinStatic	-0.675	-0.135	1.128	0.8013	0.0412	-0.0265
444	P_-y	LinStatic	-1.2	-0.121	-0.806	0.9923	-0.1589	-0.1251
444	L_C	LinStatic	0.015	1.574E-03	8.476E-03	-0.0099	0.0011	0.0104
444	Imp_x	LinStatic	-0.289	0.012	0.021	-0.0706	-0.0169	-0.0119
444	Imp_y	LinStatic	3.209E-03	-0.153	-5.286E-03	0.3942	-6.435E-05	-0.1517
444	TIERRAS	LinStatic	-20.462	-138.761	20.608	198.7702	-1.5967	-76.9362
444	SDEAD	LinStatic	1.203	0.087	31.848	-0.1911	0.0991	-0.2778
444	TFCO_G1	LinStatic	4.46	0.136	2.31	-1.307	0.3192	1.7144
444	TFCO_G2	LinStatic	-5.853	-4.529E-03	-2.77	-0.064	-0.4468	-0.2881
444	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
444	T°	LinStatic	0.	0.	0.	0.	0.	0.
444	L_E	LinStatic	3.413	0.399	5.601	0.1412	0.2354	1.0184
444	CG	LinStatic	1.334	3.13	131.814	-32.6341	0.1911	8.6011
444	CG_DEAD	LinStatic	2.857	-5.181	129.53	12.4538	0.206	-5.7112
456	DEAD	LinStatic	1.806	-5.914	128.857	15.0441	0.1296	-2.8444
456	W0_1	LinStatic	-4.768	4.314	2.695	-25.4955	-0.092	1.4787
456	W0_2	LinStatic	-3.781	3.901	2.719	-22.5367	-0.0464	1.6232

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
456	W180_1	LinStatic	1.518	1.913	-2.052	-10.674	-0.0418	1.8619
456	W180_2	LinStatic	2.545	1.522	-1.855	-7.8446	-0.0238	2.0604
456	W90	LinStatic	1.198	1.563	-2.127	-8.7345	0.0931	1.569
456	W270	LinStatic	1.837	-3.292	-3.658	18.2894	0.133	-2.2339
456	SNOW	LinStatic	0.443	-0.226	0.094	1.6089	0.0299	0.0591
456	L_G1	LinStatic	0.355	-0.181	0.075	1.2871	0.024	0.0473
456	P_+x	LinStatic	-1.555	-0.087	-1.856	0.5738	-0.0895	-0.1923
456	P_-x	LinStatic	1.497	-0.188	-2.35	1.3715	0.0862	0.2298
456	P_+y	LinStatic	0.527	-0.104	-1.504	0.6051	0.1256	0.0484
456	P_-y	LinStatic	-0.796	-0.087	-1.926	0.6461	-0.1345	0.0112
456	L_C	LinStatic	0.019	2.883E-03	0.013	-0.0185	0.0014	0.0145
456	Imp_x	LinStatic	-0.302	5.110E-03	0.014	-0.0324	-0.0172	-0.0308
456	Imp_y	LinStatic	1.619E-03	-0.171	0.015	0.4778	2.291E-06	-0.0859
456	TIERRAS	LinStatic	-10.437	-149.722	25.032	240.4929	-0.8069	-40.9311
456	SDEAD	LinStatic	0.714	0.04	30.33	-0.1327	0.0611	-0.1754
456	TFCO_G1	LinStatic	6.555	0.346	5.15	-2.5534	0.4557	2.0129
456	TFCO_G2	LinStatic	-5.913	-0.056	-2.142	-0.0995	-0.4608	-0.201
456	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
456	Tº	LinStatic	0.	0.	0.	0.	0.	0.
456	L_E	LinStatic	3.305	0.519	7.975	-0.7171	0.2356	0.7667
456	CG	LinStatic	3.794	3.835	125.024	-37.8822	0.4065	4.4524
456	CG_DEAD	LinStatic	1.806	-5.914	128.857	15.0441	0.1296	-2.8444
463	DEAD	LinStatic	1.452	-6.09	128.867	15.7346	0.1068	-1.4186
463	W0_1	LinStatic	-6.341	4.155	1.766	-11.6641	-0.7126	-0.3547
463	W0_2	LinStatic	-5.377	3.801	1.915	-9.4347	-0.6146	-0.0635
463	W180_1	LinStatic	2.767	1.97	-1.7	-4.9009	0.3498	1.445
463	W180_2	LinStatic	3.982	1.64	-1.356	-2.7984	0.4962	1.8128
463	W90	LinStatic	1.175	1.612	-1.983	-4.0165	0.0763	1.0935
463	W270	LinStatic	1.863	-3.307	-3.306	7.1168	0.1266	-1.0209
463	SNOW	LinStatic	0.325	-0.196	0.135	1.2484	0.0267	0.127
463	L_G1	LinStatic	0.26	-0.157	0.108	0.9987	0.0213	0.1016
463	P_+x	LinStatic	-1.785	-0.095	-2.23	0.3194	-0.1526	-0.2467
463	P_-x	LinStatic	1.899	-0.145	-2.567	0.4667	0.1731	0.3639
463	P_+y	LinStatic	0.183	-0.092	-1.962	0.2211	-0.0573	0.0387
463	P_-y	LinStatic	-0.218	-0.074	-2.086	0.2261	0.0635	0.0713
463	L_C	LinStatic	0.021	3.819E-03	0.017	-0.0226	0.0015	0.0157
463	Imp_x	LinStatic	-0.335	2.003E-03	1.327E-03	-0.0076	-0.0281	-0.0352
463	Imp_y	LinStatic	2.615E-03	-0.176	0.02	0.4863	1.693E-04	-0.0485
463	TIERRAS	LinStatic	-5.103	-152.248	25.697	250.5923	-0.3762	-20.7576
463	SDEAD	LinStatic	0.499	0.026	29.93	-0.1166	0.0379	-0.1473
463	TFCO_G1	LinStatic	7.929	0.485	7.395	-4.295	0.5664	1.8501
463	TFCO_G2	LinStatic	-5.571	-0.085	-0.686	0.6941	-0.4275	0.0565
463	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
463	Tº	LinStatic	0.	0.	0.	0.	0.	0.
463	L_E	LinStatic	2.891	0.503	8.29	0.2477	0.215	0.1837
463	CG	LinStatic	2.838	3.686	123.801	-7.2566	0.0984	2.0472
463	CG_DEAD	LinStatic	1.452	-6.09	128.867	15.7346	0.1068	-1.4186
470	DEAD	LinStatic	1.179	-6.149	129.147	15.7795	0.0815	0.0365
470	W0_1	LinStatic	-4.256	4.119	0.784	-23.8461	-0.0627	-1.4393
470	W0_2	LinStatic	-3.733	3.791	1.079	-21.4767	-0.0523	-1.2134
470	W180_1	LinStatic	1.866	2.081	-1.26	-11.86	-0.0077	0.7433
470	W180_2	LinStatic	2.444	1.783	-0.761	-9.7061	-0.0242	1.031
470	W90	LinStatic	1.264	1.691	-1.81	-9.5261	0.1071	0.4986

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
470	W270	LinStatic	1.974	-3.379	-3.008	18.7866	0.1623	0.2645
470	SNOW	LinStatic	0.16	-0.184	0.178	1.3275	0.0085	0.0989
470	L_G1	LinStatic	0.128	-0.147	0.142	1.0619	0.0068	0.0791
470	P_+x	LinStatic	-1.702	-0.117	-2.469	0.7918	-0.0982	-0.2337
470	P_-x	LinStatic	1.723	-0.122	-2.482	0.8566	0.1052	0.269
470	P_+y	LinStatic	0.776	-0.092	-2.146	0.5752	0.1385	0.0211
470	P_-y	LinStatic	-0.775	-0.073	-2.073	0.4591	-0.1367	0.0164
470	L_C	LinStatic	0.023	5.029E-03	0.02	-0.0316	0.0017	0.017
470	Imp_x	LinStatic	-0.306	-8.701E-04	-0.013	0.003	-0.0174	-0.0344
470	Imp_y	LinStatic	3.716E-03	-0.178	0.021	0.5117	2.900E-04	-0.0102
470	TIERRAS	LinStatic	0.171	-153.084	25.904	253.9113	0.0142	-0.1538
470	SDEAD	LinStatic	0.304	0.015	29.711	-0.1184	0.0277	-0.1261
470	TFCO_G1	LinStatic	9.441	0.638	10.373	-4.1879	0.6539	1.8815
470	TFCO_G2	LinStatic	-5.422	-0.108	1.901	-0.2835	-0.4455	0.0478
470	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
470	T°	LinStatic	0.	0.	0.	0.	0.	0.
470	L_E	LinStatic	2.716	0.49	7.848	-0.6835	0.2006	-0.0916
470	CG	LinStatic	3.661	3.845	123.047	-38.5539	0.4235	0.0181
470	CG_DEAD	LinStatic	1.179	-6.149	129.147	15.7795	0.0815	0.0365
477	DEAD	LinStatic	0.925	-6.084	129.787	15.5346	0.0628	1.574
477	W0_1	LinStatic	-5.515	3.915	-0.123	-10.4713	-0.6443	-2.7892
477	W0_2	LinStatic	-5.067	3.598	0.325	-8.3945	-0.5853	-2.5699
477	W180_1	LinStatic	2.921	2.099	-0.81	-5.2538	0.3508	0.3785
477	W180_2	LinStatic	3.672	1.816	-0.153	-3.3362	0.4635	0.6814
477	W90	LinStatic	1.128	1.694	-1.65	-4.3293	0.0623	0.0024
477	W270	LinStatic	1.784	-3.265	-2.851	6.642	0.1073	1.3927
477	SNOW	LinStatic	0.036	-0.181	0.222	1.1748	0.005	0.0867
477	L_G1	LinStatic	0.029	-0.145	0.178	0.9398	0.004	0.0694
477	P_+x	LinStatic	-1.913	-0.137	-2.546	0.4313	-0.1794	-0.3272
477	P_-x	LinStatic	1.765	-0.098	-2.236	0.3294	0.1457	0.2831
477	P_+y	LinStatic	0.191	-0.09	-2.154	0.2045	-0.0678	-0.0368
477	P_-y	LinStatic	-0.181	-0.071	-1.878	0.2357	0.0563	0.0192
477	L_C	LinStatic	0.025	6.549E-03	0.024	-0.0399	0.0018	0.0167
477	Imp_x	LinStatic	-0.338	-3.783E-03	-0.027	0.0216	-0.0283	-0.0352
477	Imp_y	LinStatic	4.451E-03	-0.177	0.02	0.4968	3.409E-04	0.0288
477	TIERRAS	LinStatic	5.426	-152.287	25.718	250.7688	0.3972	20.3819
477	SDEAD	LinStatic	0.027	4.894E-03	29.624	-0.1251	6.466E-04	-0.1211
477	TFCO_G1	LinStatic	11.137	0.829	14.32	-6.54	0.7879	1.71
477	TFCO_G2	LinStatic	-5.332	-0.138	5.591	0.725	-0.414	-0.0142
477	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
477	T°	LinStatic	0.	0.	0.	0.	0.	0.
477	L_E	LinStatic	2.926	0.51	7.124	0.3121	0.2226	0.1827
477	CG	LinStatic	2.698	3.714	123.082	-6.9605	0.0011	-1.1056
477	CG_DEAD	LinStatic	0.925	-6.084	129.787	15.5346	0.0628	1.574
484	DEAD	LinStatic	0.523	-5.884	130.772	14.4216	0.0313	3.0542
484	W0_1	LinStatic	-3.301	3.808	-0.853	-21.5556	0.004	-3.7507
484	W0_2	LinStatic	-3.304	3.472	-0.267	-19.212	-0.0271	-3.5424
484	W180_1	LinStatic	1.975	2.192	-0.381	-12.8285	0.0106	-0.5709
484	W180_2	LinStatic	2.087	1.901	0.429	-10.8384	-0.0445	-0.317
484	W90	LinStatic	1.278	1.737	-1.489	-9.826	0.1176	-0.6683
484	W270	LinStatic	1.933	-3.209	-2.846	17.7792	0.1761	2.6016
484	SNOW	LinStatic	-0.114	-0.194	0.27	1.362	-0.0135	0.0944
484	L_G1	LinStatic	-0.091	-0.155	0.216	1.0896	-0.0108	0.0756

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
484	P_+x	LinStatic	-1.477	-0.177	-2.326	1.2616	-0.0794	-0.2075
484	P_-x	LinStatic	1.565	-0.089	-1.861	0.6001	0.0956	0.2139
484	P_+y	LinStatic	0.774	-0.103	-1.999	0.7333	0.136	0.0068
484	P_-y	LinStatic	-0.512	-0.077	-1.407	0.4236	-0.1242	-0.0087
484	L_C	LinStatic	0.026	8.528E-03	0.028	-0.0519	0.002	0.0148
484	Imp_x	LinStatic	-0.306	-6.990E-03	-0.039	0.0401	-0.0175	-0.0297
484	Imp_y	LinStatic	4.765E-03	-0.174	0.015	0.4991	5.160E-04	0.0689
484	TIERRAS	LinStatic	10.745	-149.798	25.052	241.0799	0.8343	40.602
484	SDEAD	LinStatic	-0.261	-3.886E-03	29.629	-0.1298	-0.0161	-0.1245
484	TFCO_G1	LinStatic	12.501	1.06	19.262	-6.6485	0.8824	1.374
484	TFCO_G2	LinStatic	-5.922	-0.186	10.154	-0.1403	-0.5145	-0.138
484	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
484	Tº	LinStatic	0.	0.	0.	0.	0.	0.
484	L_E	LinStatic	3.301	0.629	6.491	-1.6626	0.2505	0.3921
484	CG	LinStatic	4.756	4.014	124.561	-39.3937	0.535	-2.6877
484	CG_DEAD	LinStatic	0.523	-5.884	130.772	14.4216	0.0313	3.0542
496	DEAD	LinStatic	-1.203	-5.06	133.117	10.8835	-0.0941	5.541
496	W0_1	LinStatic	-2.098	3.102	-1.425	-17.456	0.0852	-5.8219
496	W0_2	LinStatic	-2.382	2.663	-0.528	-14.6566	0.0255	-5.2297
496	W180_1	LinStatic	1.636	2.154	0.127	-13.325	0.0041	-2.5082
496	W180_2	LinStatic	1.476	1.788	1.285	-11.084	-0.0798	-1.9684
496	W90	LinStatic	1.212	1.622	-1.202	-9.2921	0.1228	-2.1115
496	W270	LinStatic	1.614	-2.546	-3.51	14.4571	0.1736	4.4474
496	SNOW	LinStatic	-0.205	-0.258	0.454	1.6752	-0.0257	0.3327
496	L_G1	LinStatic	-0.164	-0.207	0.363	1.3401	-0.0206	0.2661
496	P_+x	LinStatic	0.02	-0.275	0.09	2.0591	0.0322	0.1124
496	P_-x	LinStatic	1.675	-0.079	-0.548	0.5416	0.1051	0.1943
496	P_+y	LinStatic	1.17	-0.137	-0.911	1.0999	0.1613	0.13
496	P_-y	LinStatic	0.695	-0.097	1.256	0.5316	-0.0411	0.0492
496	L_C	LinStatic	0.018	0.014	0.029	-0.0792	0.0016	-0.0027
496	Imp_x	LinStatic	-0.295	-0.015	-0.041	0.0826	-0.0173	-0.009
496	Imp_y	LinStatic	5.911E-04	-0.16	-0.01	0.4303	4.311E-04	0.1476
496	TIERRAS	LinStatic	20.664	-138.883	20.492	199.9109	1.6178	76.9032
496	SDEAD	LinStatic	-1.126	-0.019	29.774	-0.1468	-0.0796	-0.1718
496	TFCO_G1	LinStatic	12.86	1.676	30.256	-9.5942	0.9298	-0.7915
496	TFCO_G2	LinStatic	-7.879	-0.418	20.98	0.9378	-0.6889	-0.2413
496	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
496	Tº	LinStatic	0.	0.	0.	0.	0.	0.
496	L_E	LinStatic	3.832	1.011	5.363	-4.0572	0.296	0.3367
496	CG	LinStatic	7.461	3.901	133.596	-38.7021	0.7667	-6.4987
496	CG_DEAD	LinStatic	-1.203	-5.06	133.117	10.8835	-0.0941	5.541
503	DEAD	LinStatic	-2.729	-4.39	134.015	8.4198	-0.1956	6.1926
503	W0_1	LinStatic	-3.231	2.513	-1.088	-4.4531	-0.4794	-6.865
503	W0_2	LinStatic	-3.124	1.989	0.216	-1.7751	-0.45	-5.8309
503	W180_1	LinStatic	1.963	2.003	-0.133	-3.2827	0.2707	-3.1802
503	W180_2	LinStatic	2.394	1.567	1.402	-0.842	0.3596	-2.2365
503	W90	LinStatic	0.778	1.467	-1.192	-3.0115	0.0281	-2.8564
503	W270	LinStatic	0.807	-1.94	-4.53	0.4932	0.0342	4.8083
503	SNOW	LinStatic	-0.023	-0.309	0.744	1.5228	-0.0019	0.5836
503	L_G1	LinStatic	-0.019	-0.247	0.595	1.2182	-0.0015	0.4669
503	P_+x	LinStatic	0.734	-0.321	3.028	0.6196	-0.0581	0.2129
503	P_-x	LinStatic	1.897	-0.076	0.566	0.1993	0.1305	0.2038
503	P_+y	LinStatic	0.917	-0.152	0.283	0.1253	-0.0351	0.1188

8. Structure results

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Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
503	P_y	LinStatic	2.05	-0.106	3.995	0.4039	0.174	0.1532
503	L_C	LinStatic	5.248E-03	0.018	0.019	-0.0925	6.262E-04	-0.0228
503	Imp_x	LinStatic	-0.309	-0.02	-0.02	0.0827	-0.0261	0.0091
503	Imp_y	LinStatic	-5.491E-03	-0.147	-0.036	0.3541	-2.058E-04	0.1796
503	TIERRAS	LinStatic	24.834	-129.643	14.845	167.2568	1.9046	89.7791
503	SDEAD	LinStatic	-1.8	-0.025	29.789	-0.1589	-0.1294	-0.2059
503	TFCO_G1	LinStatic	11.138	2.049	34.472	-11.7556	0.8121	-2.9206
503	TFCO_G2	LinStatic	-8.651	-0.662	27.119	2.3171	-0.6776	0.1144
503	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
503	Tº	LinStatic	0.	0.	0.	0.	0.	0.
503	L_E	LinStatic	3.766	1.295	4.23	-3.5347	0.301	-0.6772
503	CG	LinStatic	6.205	3.558	141.555	-5.2078	0.0786	-9.3958
503	CG_DEAD	LinStatic	-2.729	-4.39	134.015	8.4198	-0.1956	6.1926
510	DEAD	LinStatic	-4.934	-3.493	134.417	5.5639	-0.3525	6.4583
510	W0_1	LinStatic	-0.853	1.986	-0.128	-11.21	0.128	-6.3467
510	W0_2	LinStatic	-0.641	1.345	1.964	-7.9853	0.103	-4.434
510	W180_1	LinStatic	0.457	1.963	-0.941	-12.7056	-0.0608	-4.9932
510	W180_2	LinStatic	0.644	1.435	1.263	-10.2433	-0.117	-3.3834
510	W90	LinStatic	0.781	1.37	-1.338	-7.6101	0.0883	-3.5167
510	W270	LinStatic	0.448	-1.399	-6.395	9.1223	0.106	3.9392
510	SNOW	LinStatic	0.163	-0.379	1.296	1.9704	-0.0019	1.1269
510	L_G1	LinStatic	0.13	-0.303	1.037	1.5763	-0.0015	0.9015
510	P_+x	LinStatic	2.475	-0.392	7.505	2.9264	0.2162	1.0791
510	P_-x	LinStatic	2.04	-0.079	2.05	0.5749	0.1373	0.3164
510	P_+y	LinStatic	1.944	-0.186	2.041	1.5484	0.2079	0.5375
510	P_-y	LinStatic	2.422	-0.108	7.867	0.6654	0.0995	0.3879
510	L_C	LinStatic	-0.011	0.024	-2.990E-03	-0.0972	-5.776E-04	-0.051
510	Imp_x	LinStatic	-0.263	-0.026	0.026	0.1177	-0.0161	0.0453
510	Imp_y	LinStatic	-0.012	-0.132	-0.076	0.2926	-5.573E-05	0.1986
510	TIERRAS	LinStatic	29.412	-116.951	4.99	126.526	2.284	94.8874
510	SDEAD	LinStatic	-2.7	-0.024	29.598	-0.1493	-0.1918	-0.2442
510	TFCO_G1	LinStatic	8.341	2.435	36.498	-10.5699	0.621	-5.6698
510	TFCO_G2	LinStatic	-9.861	-1.018	34.061	2.8576	-0.8521	1.3517
510	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
510	Tº	LinStatic	0.	0.	0.	0.	0.	0.
510	L_E	LinStatic	3.595	1.67	2.376	-5.901	0.2806	-2.1037
510	CG	LinStatic	8.53	3.757	151.973	-33.381	0.8341	-10.9835
510	CG_DEAD	LinStatic	-4.934	-3.493	134.417	5.5639	-0.3525	6.4583
517	DEAD	LinStatic	-8.205	-2.239	133.811	2.055	-0.558	5.7685
517	W0_1	LinStatic	-1.732	1.437	1.553	0.0206	-0.2972	-6.2703
517	W0_2	LinStatic	-0.792	0.694	5.075	2.1011	-0.2396	-3.5419
517	W180_1	LinStatic	0.427	1.795	-2.415	0.6221	0.1597	-5.5113
517	W180_2	LinStatic	1.443	1.182	0.965	2.6537	0.2546	-3.1645
517	W90	LinStatic	0.276	1.236	-1.684	-0.6942	0.0153	-3.9646
517	W270	LinStatic	-0.729	-0.828	-9.548	-3.6588	-0.0491	2.7264
517	SNOW	LinStatic	0.534	-0.437	2.251	1.1405	0.0229	1.5954
517	L_G1	LinStatic	0.428	-0.35	1.801	0.9123	0.0183	1.2763
517	P_+x	LinStatic	2.425	-0.387	13.172	-0.1219	0.0507	1.4554
517	P_-x	LinStatic	1.983	-0.066	3.751	0.0469	0.1291	0.4042
517	P_+y	LinStatic	1.515	-0.183	4.221	-0.3282	0.0225	0.6187
517	P_-y	LinStatic	2.874	-0.067	12.506	0.3119	0.2015	0.6954
517	L_C	LinStatic	-0.033	0.029	-0.044	-0.0884	-0.0011	-0.0854
517	Imp_x	LinStatic	-0.257	-0.033	0.114	0.0789	-0.0227	0.0819

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
517	Imp_y	LinStatic	-0.022	-0.116	-0.138	0.1865	-0.0012	0.1946
517	TIERRAS	LinStatic	33.34	-99.559	-13.329	78.9	2.9593	86.8168
517	SDEAD	LinStatic	-3.909	-7.222E-03	28.975	-0.1469	-0.2708	-0.2689
517	TFCO_G1	LinStatic	4.477	2.914	35.239	-10.2453	0.4327	-8.6804
517	TFCO_G2	LinStatic	-10.18	-1.416	42.57	3.2588	-0.8608	3.1501
517	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
517	T°	LinStatic	0.	0.	0.	0.	0.	0.
517	L_E	LinStatic	3.231	2.111	-0.809	-4.9067	0.3432	-4.611
517	CG	LinStatic	3.217	4.277	162.805	-0.8464	0.0545	-13.8851
517	CG_DEAD	LinStatic	-8.205	-2.239	133.811	2.055	-0.558	5.7685
524	DEAD	LinStatic	-11.776	-0.169	134.97	-0.992	-0.9603	3.8564
524	W0_1	LinStatic	-0.202	1.199	4.199	-4.852	3.424E-04	-4.2368
524	W0_2	LinStatic	0.95	0.436	9.648	-3.1252	0.1343	-0.7238
524	W180_1	LinStatic	-0.612	1.745	-3.724	-9.1607	-0.2148	-6.2681
524	W180_2	LinStatic	0.34	1.124	1.268	-8.0806	-0.1227	-3.3193
524	W90	LinStatic	0.304	1.219	-1.769	-4.4603	-0.032	-3.8543
524	W270	LinStatic	-1.095	-0.737	-14.681	5.5372	-0.0312	0.4259
524	SNOW	LinStatic	0.714	-0.446	3.502	1.1203	0.0866	2.08
524	L_G1	LinStatic	0.571	-0.356	2.801	0.8962	0.0693	1.6639
524	P_+x	LinStatic	2.433	-0.243	19.084	2.3708	0.2559	2.2482
524	P_-x	LinStatic	1.599	-0.011	5.256	0.3567	0.1342	0.5353
524	P_+y	LinStatic	1.688	-0.14	6.266	1.4321	0.1879	1.0088
524	P_-y	LinStatic	1.958	0.116	17.282	0.1361	0.1328	0.9499
524	L_C	LinStatic	-0.043	0.032	-0.08	-0.0403	-0.0074	-0.1029
524	Imp_x	LinStatic	-0.203	-0.039	0.272	0.0748	-0.0117	0.1178
524	Imp_y	LinStatic	-0.04	-0.106	-0.265	0.1099	1.965E-04	0.1581
524	TIERRAS	LinStatic	32.929	-74.876	-58.433	29.337	2.3778	55.8411
524	SDEAD	LinStatic	-5.126	0.068	28.466	-0.2072	-0.4131	-0.3692
524	TFCO_G1	LinStatic	0.481	3.555	31.584	-4.594	-0.1541	-10.2643
524	TFCO_G2	LinStatic	-10.476	-1.456	54.98	1.4022	-0.8629	4.78
524	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
524	T°	LinStatic	0.	0.	0.	0.	0.	0.
524	L_E	LinStatic	2.698	2.506	-5.877	-3.5243	0.0383	-6.5961
524	CG	LinStatic	-1.044	6.63	175.343	-23.2822	-0.3979	-13.9969
524	CG_DEAD	LinStatic	-11.776	-0.169	134.97	-0.992	-0.9603	3.8564
590	DEAD	LinStatic	0.487	4.856	122.567	-0.4041	-0.4411	-5.9101
590	W0_1	LinStatic	0.629	1.282	3.272	-0.1893	-0.9006	-2.1761
590	W0_2	LinStatic	0.446	3.354	9.679	-0.4257	-0.3429	2.2654
590	W180_1	LinStatic	0.538	1.232	-5.221	-0.1248	-5.8709	-6.2405
590	W180_2	LinStatic	0.398	3.164	0.575	-0.3398	-5.8296	-2.5047
590	W90	LinStatic	0.44	1.524	-1.923	-0.1447	-1.8662	-3.668
590	W270	LinStatic	-0.355	-6.342	-15.752	0.6869	3.2115	-2.3395
590	SNOW	LinStatic	-0.111	1.22	4.138	-0.1386	0.4563	2.6137
590	L_G1	LinStatic	-0.089	0.976	3.311	-0.1109	0.3651	2.0908
590	P_+x	LinStatic	-0.316	1.357	21.666	-0.1541	1.9427	2.7334
590	P_-x	LinStatic	4.765E-03	0.654	6.209	-0.0604	0.3526	0.6709
590	P_+y	LinStatic	-0.052	0.493	7.363	-0.0542	1.4121	1.201
590	P_-y	LinStatic	-0.173	1.607	19.505	-0.1552	-0.0434	1.1429
590	L_C	LinStatic	0.021	-9.819E-03	-0.072	0.0036	0.0013	-0.1925
590	Imp_x	LinStatic	-0.104	-0.026	0.284	-0.0017	-0.0607	0.1977
590	Imp_y	LinStatic	-0.031	-0.244	-0.266	0.0183	-0.0316	0.0881
590	TIERRAS	LinStatic	73.132	-41.692	-58.459	3.3591	26.6007	-63.7904
590	SDEAD	LinStatic	-0.67	-2.739	20.086	0.1881	-0.7205	-0.9158

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
590	TFCO_G1	LinStatic	1.921	2.043	22.915	0.0218	5.4975	-13.2549
590	TFCO_G2	LinStatic	-2.772	-1.436	46.477	-0.1354	-3.8606	7.0354
590	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
590	T°	LinStatic	0.	0.	0.	0.	0.	0.
590	L_E	LinStatic	6.562	0.137	-6.684	0.2015	4.9927	-12.9085
590	CG	LinStatic	8.519	14.53	165.323	-1.2991	-2.9253	-25.3125
590	CG_DEAD	LinStatic	0.487	4.856	122.567	-0.4041	-0.4411	-5.9101
597	DEAD	LinStatic	2.836	2.73	114.547	-0.2291	1.6346	-8.1819
597	W0_1	LinStatic	0.718	0.293	-0.906	0.107	3.2275	-2.3926
597	W0_2	LinStatic	0.624	2.325	5.51	-0.0175	-2.058	2.2985
597	W180_1	LinStatic	0.265	0.515	-6.689	0.0853	12.4577	-7.0843
597	W180_2	LinStatic	0.181	2.423	-0.822	-0.0318	8.3621	-3.2066
597	W90	LinStatic	0.331	1.055	-2.923	0.022	6.0265	-4.058
597	W270	LinStatic	-0.402	-5.416	-12.366	0.1968	-0.2831	-2.0674
597	SNOW	LinStatic	-0.051	1.186	4.105	-0.0733	-3.2278	2.7719
597	L_G1	LinStatic	-0.04	0.949	3.284	-0.0587	-2.5822	2.2174
597	P_+x	LinStatic	-0.123	0.456	19.389	-0.0254	-4.4283	3.3162
597	P_-x	LinStatic	6.713E-03	0.301	5.944	-0.0166	-0.6734	0.7769
597	P_+y	LinStatic	0.016	0.096	6.76	-0.0052	-2.2461	1.4391
597	P_-y	LinStatic	-0.091	0.824	17.81	-0.0452	-0.9826	1.3772
597	L_C	LinStatic	8.111E-03	7.798E-03	-0.065	-0.002	0.071	-0.2857
597	Imp_x	LinStatic	-0.111	-0.013	0.159	8.250E-04	-0.2365	0.2488
597	Imp_y	LinStatic	-0.026	-0.27	-0.138	0.0192	-0.0804	0.0677
597	TIERRAS	LinStatic	96.446	-42.655	-15.73	3.5794	76.3004	-96.4889
597	SDEAD	LinStatic	-0.325	-3.047	13.978	0.182	-0.2676	-0.7779
597	TFCO_G1	LinStatic	2.185	1.945	18.644	-0.2243	10.8371	-14.6872
597	TFCO_G2	LinStatic	-2.576	-0.854	30.126	-0.0149	-9.5598	8.9156
597	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
597	T°	LinStatic	0.	0.	0.	0.	0.	0.
597	L_E	LinStatic	8.071	0.031	-2.769	-0.0191	12.3847	-15.6847
597	CG	LinStatic	12.391	6.828	147.523	-0.0542	30.2648	-30.9815
597	CG_DEAD	LinStatic	2.836	2.73	114.547	-0.2291	1.6346	-8.1819
604	DEAD	LinStatic	4.208	1.553	109.973	-0.1486	8.1556	-7.9035
604	W0_1	LinStatic	0.703	2.37	-4.001	-0.426	1.8575	-1.1104
604	W0_2	LinStatic	0.432	4.445	2.934	-0.5838	-0.7161	4.8549
604	W180_1	LinStatic	0.305	2.274	-7.576	-0.3693	-0.2067	-7.9413
604	W180_2	LinStatic	0.055	4.239	-1.166	-0.5187	-2.7123	-2.9739
604	W90	LinStatic	0.391	2.299	-3.503	-0.3469	1.4163	-4.4285
604	W270	LinStatic	-0.096	-7.826	-11.227	0.883	3.4007	-4.4431
604	SNOW	LinStatic	-0.149	1.206	4.371	-0.0913	-1.3964	3.5187
604	L_G1	LinStatic	-0.119	0.965	3.497	-0.073	-1.117	2.8148
604	P_+x	LinStatic	-0.157	0.459	17.207	-0.0634	-0.4384	3.8731
604	P_-x	LinStatic	-0.018	0.254	5.514	-0.0248	-0.1929	0.8462
604	P_+y	LinStatic	0.011	0.022	5.999	-0.0071	0.3671	1.6365
604	P_-y	LinStatic	-0.124	0.92	16.251	-0.1027	-0.9464	1.6034
604	L_C	LinStatic	8.352E-03	9.383E-03	-0.054	9.889E-04	0.159	-0.39
604	Imp_x	LinStatic	-0.127	-2.683E-03	0.093	-8.214E-04	-0.2706	0.272
604	Imp_y	LinStatic	-0.021	-0.302	-0.082	0.0246	-0.0756	0.0372
604	TIERRAS	LinStatic	113.186	-39.487	0.87	3.0622	123.7642	-107.741
604	SDEAD	LinStatic	-0.196	-2.598	9.1	0.1471	-0.1636	-0.5586
604	TFCO_G1	LinStatic	2.92	2.159	15.441	-0.2022	20.9627	-12.2239
604	TFCO_G2	LinStatic	-3.294	0.82	19.451	-0.2005	-11.6468	10.3812

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
604	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
604	T°	LinStatic	0.	0.	0.	0.	0.	0.
604	L_E	LinStatic	9.483	-0.218	-0.351	0.0561	19.5467	-15.723
604	CG	LinStatic	15.054	12.006	134.371	-1.7424	28.2938	-28.581
604	CG_DEAD	LinStatic	4.208	1.553	109.973	-0.1486	8.1556	-7.9035
611	DEAD	LinStatic	5.108	1.356	106.481	-0.1157	7.0686	-8.0149
611	W0_1	LinStatic	0.722	0.836	-6.228	0.1368	2.8252	-0.9821
611	W0_2	LinStatic	0.051	2.865	1.406	-0.0067	-8.9006	4.2986
611	W180_1	LinStatic	0.801	0.679	-8.052	0.1305	19.6528	-7.6713
611	W180_2	LinStatic	0.212	2.599	-0.931	-0.0037	10.0687	-3.3603
611	W90	LinStatic	0.664	0.804	-3.985	0.127	10.1411	-4.0517
611	W270	LinStatic	0.296	-5.562	-11.116	0.119	6.5344	-3.4516
611	SNOW	LinStatic	-0.384	1.193	4.751	-0.0855	-6.9978	3.1337
611	L_G1	LinStatic	-0.307	0.954	3.801	-0.0684	-5.5981	2.5069
611	P_+x	LinStatic	-0.382	0.745	15.483	-0.0574	-7.5668	3.9568
611	P_-x	LinStatic	-0.068	0.317	5.154	-0.0239	-1.2817	0.847
611	P_+y	LinStatic	-0.084	0.156	5.344	-0.0181	-3.5079	1.6885
611	P_-y	LinStatic	-0.214	1.035	15.095	-0.0615	-2.2078	1.6255
611	L_C	LinStatic	0.018	0.033	-0.043	-0.0039	0.2996	-0.4943
611	Imp_x	LinStatic	-0.145	3.804E-03	0.047	-3.499E-04	-0.4507	0.2677
611	Imp_y	LinStatic	-0.017	-0.288	-0.054	0.0178	-0.0784	0.016
611	TIERRAS	LinStatic	125.85	-35.838	9.432	2.7145	166.1963	-106.8589
611	SDEAD	LinStatic	-0.13	-1.867	5.299	0.1147	-0.0949	-0.4185
611	TFCO_G1	LinStatic	3.55	1.997	13.448	-0.14	21.8561	-9.056
611	TFCO_G2	LinStatic	-4.183	2.106	12.426	-0.1768	-19.7929	8.6795
611	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
611	T°	LinStatic	0.	0.	0.	0.	0.	0.
611	L_E	LinStatic	10.69	-0.343	1.549	0.0438	24.8836	-14.7308
611	CG	LinStatic	17.431	6.714	124.907	0.1806	51.0114	-27.2069
611	CG_DEAD	LinStatic	5.108	1.356	106.481	-0.1157	7.0686	-8.0149
618	DEAD	LinStatic	5.84	1.689	104.254	-0.1602	15.0108	-6.3077
618	W0_1	LinStatic	0.713	2.585	-7.998	-0.4194	2.7544	-0.212
618	W0_2	LinStatic	-0.308	4.392	0.412	-0.5525	-3.3028	5.5503
618	W180_1	LinStatic	1.167	1.86	-8.623	-0.3142	5.575	-7.8367
618	W180_2	LinStatic	0.282	3.588	-0.727	-0.4425	0.2981	-3.0941
618	W90	LinStatic	0.882	2.069	-4.606	-0.375	4.3747	-4.0495
618	W270	LinStatic	0.687	-7.2	-11.272	0.861	5.2072	-4.523
618	SNOW	LinStatic	-0.588	1.066	5.189	-0.0777	-3.4764	3.4103
618	L_G1	LinStatic	-0.47	0.853	4.151	-0.0621	-2.7809	2.7282
618	P_+x	LinStatic	-0.584	1.232	14.454	-0.1199	-3.4103	3.8602
618	P_-x	LinStatic	-0.114	0.422	4.96	-0.0378	-0.7857	0.7968
618	P_+y	LinStatic	-0.16	0.305	4.936	-0.0261	-0.906	1.6339
618	P_-y	LinStatic	-0.308	1.477	14.471	-0.1506	-2.096	1.559
618	L_C	LinStatic	0.034	0.045	-0.031	-6.602E-04	0.4339	-0.6236
618	Imp_x	LinStatic	-0.162	0.014	0.018	-0.0016	-0.4586	0.2531
618	Imp_y	LinStatic	-0.013	-0.313	-0.04	0.0268	-0.0608	9.623E-04
618	TIERRAS	LinStatic	135.565	-33.023	13.8	2.5458	201.1022	-99.3696
618	SDEAD	LinStatic	-0.092	-0.894	2.602	0.03	-0.072	-0.3163
618	TFCO_G1	LinStatic	4.053	2.203	12.564	-0.2181	31.9773	-2.032
618	TFCO_G2	LinStatic	-4.579	3.74	8.66	-0.3708	-15.4938	8.7923
618	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
618	T°	LinStatic	0.	0.	0.	0.	0.	0.

8. Structure results

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Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
618	L_E	LinStatic	11.683	-0.326	3.089	0.0374	31.3721	-12.1356
618	CG	LinStatic	19.227	13.204	118.509	-1.7781	51.0488	-21.9716
618	CG_DEAD	LinStatic	5.84	1.689	104.254	-0.1602	15.0108	-6.3077
630	DEAD	LinStatic	6.771	1.833	102.537	-0.1572	19.4301	-4.5359
630	W0_1	LinStatic	0.691	2.351	-10.055	-0.3509	2.9198	0.3677
630	W0_2	LinStatic	-0.938	3.393	-0.695	-0.4269	-6.2299	4.6726
630	W180_1	LinStatic	1.959	1.436	-9.468	-0.2352	10.6545	-6.257
630	W180_2	LinStatic	0.578	2.483	-0.585	-0.3132	2.9192	-2.7578
630	W90	LinStatic	1.298	1.673	-6.298	-0.3659	6.7742	-2.8502
630	W270	LinStatic	1.227	-5.114	-10.52	0.6976	7.0571	-3.0932
630	SNOW	LinStatic	-0.947	0.63	5.741	-0.0442	-5.325	2.5595
630	L_G1	LinStatic	-0.758	0.504	4.593	-0.0353	-4.2597	2.0476
630	P_+x	LinStatic	-0.98	1.374	13.529	-0.1146	-5.8392	2.9603
630	P_-x	LinStatic	-0.195	0.409	4.793	-0.0325	-1.2434	0.5971
630	P_+y	LinStatic	-0.327	0.399	4.593	-0.0256	-1.97	1.2748
630	P_-y	LinStatic	-0.467	1.41	13.846	-0.1372	-2.9747	1.1727
630	L_C	LinStatic	0.086	0.15	0.034	-0.0065	0.8464	-0.9122
630	Imp_x	LinStatic	-0.187	0.02	-9.105E-03	-0.0019	-0.594	0.1997
630	Imp_y	LinStatic	-7.732E-03	-0.301	-0.015	0.0268	-0.0414	-0.01
630	TIERRAS	LinStatic	148.876	-26.632	15.511	2.0243	253.1554	-76.3544
630	SDEAD	LinStatic	-0.049	0.404	-0.151	-0.0501	-0.0425	-0.1866
630	TFCO_G1	LinStatic	3.608	0.521	13.256	-0.1212	31.8005	6.7706
630	TFCO_G2	LinStatic	-4.454	3.738	7.717	-0.3656	-14.6079	3.4498
630	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
630	Tº	LinStatic	0.	0.	0.	0.	0.	0.
630	L_E	LinStatic	12.771	-0.228	5.747	0.0245	39.4922	-6.8953
630	CG	LinStatic	21.525	12.199	113.197	-1.4878	66.5113	-13.6968
630	CG_DEAD	LinStatic	6.771	1.833	102.537	-0.1572	19.4301	-4.5359
637	DEAD	LinStatic	7.075	1.667	102.327	-0.1154	12.0381	-4.3237
637	W0_1	LinStatic	0.66	1.075	-10.742	0.0549	1.7139	0.5276
637	W0_2	LinStatic	-1.215	1.809	-1.249	0.0056	-19.5533	3.7097
637	W180_1	LinStatic	2.332	0.589	-9.805	0.0577	31.4129	-5.1327
637	W180_2	LinStatic	0.76	1.348	-0.732	0.0092	13.9345	-2.5569
637	W90	LinStatic	1.475	-0.109	-7.394	0.2331	16.2435	-2.0265
637	W270	LinStatic	1.394	-2.218	-9.351	-0.132	15.3112	-1.9814
637	SNOW	LinStatic	-1.095	0.471	5.829	-0.0338	-12.6039	1.9065
637	L_G1	LinStatic	-0.876	0.377	4.663	-0.027	-10.0829	1.5252
637	P_+x	LinStatic	-1.149	1.326	13.314	-0.0946	-12.3848	2.4086
637	P_-x	LinStatic	-0.227	0.391	4.746	-0.0284	-2.1609	0.4867
637	P_+y	LinStatic	-0.405	0.454	4.537	-0.0415	-5.4914	1.0607
637	P_-y	LinStatic	-0.524	1.163	13.616	-0.0585	-3.9985	0.9496
637	L_C	LinStatic	0.124	0.276	0.119	-0.0228	1.2827	-1.0518
637	Imp_x	LinStatic	-0.197	0.018	-0.014	-0.0012	-0.736	0.1721
637	Imp_y	LinStatic	-6.122E-03	-0.257	2.352E-03	0.0132	-0.036	-0.0098
637	TIERRAS	LinStatic	153.352	-23.329	14.666	1.7039	272.3661	-64.3699
637	SDEAD	LinStatic	-0.036	0.7	-0.676	-0.0535	-0.0168	-0.1424
637	TFCO_G1	LinStatic	2.992	-1.397	13.148	0.1825	14.5958	8.1768
637	TFCO_G2	LinStatic	-4.023	2.117	7.994	-0.0851	-27.1562	-0.0457
637	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
637	Tº	LinStatic	0.	0.	0.	0.	0.	0.
637	L_E	LinStatic	12.752	-0.352	6.935	0.0387	36.6031	-5.3295
637	CG	LinStatic	21.956	7.891	112.149	-0.1276	72.3471	-11.353
637	CG_DEAD	LinStatic	7.075	1.667	102.327	-0.1154	12.0381	-4.3237

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
644	DEAD	LinStatic	7.389	1.486	102.114	-0.1029	21.6251	-4.6577
644	W0_1	LinStatic	0.633	1.645	-11.439	-0.2632	2.6784	0.8687
644	W0_2	LinStatic	-1.316	2.217	-1.894	-0.3064	-8.4968	3.1028
644	W180_1	LinStatic	2.425	1.188	-10.11	-0.1815	14.2102	-3.8626
644	W180_2	LinStatic	0.801	1.82	-0.913	-0.2317	4.8549	-2.077
644	W90	LinStatic	1.514	1.527	-8.609	-0.365	8.1956	-1.1665
644	W270	LinStatic	1.433	-3.979	-8.001	0.6047	8.123	-1.0903
644	SNOW	LinStatic	-1.139	0.373	5.879	-0.0254	-6.5393	1.3466
644	L_G1	LinStatic	-0.911	0.299	4.703	-0.0203	-5.2311	1.0772
644	P_+x	LinStatic	-1.217	1.387	13.296	-0.106	-7.3487	1.743
644	P_-x	LinStatic	-0.244	0.408	4.754	-0.0301	-1.5208	0.3617
644	P_+y	LinStatic	-0.432	0.404	4.555	-0.0214	-2.6497	0.7702
644	P_-y	LinStatic	-0.561	1.409	13.549	-0.1328	-3.5005	0.7294
644	L_C	LinStatic	0.168	0.392	0.271	-0.0209	1.4561	-1.2774
644	Imp_x	LinStatic	-0.204	0.017	-0.018	-0.0015	-0.6854	0.1475
644	Imp_y	LinStatic	-4.878E-03	-0.293	0.02	0.0267	-0.0298	-0.0107
644	TIERRAS	LinStatic	156.788	-20.486	13.452	1.5369	285.9689	-53.161
644	SDEAD	LinStatic	-0.027	0.91	-0.896	-0.0763	-0.0234	-0.1056
644	TFCO_G1	LinStatic	2.416	-3.121	11.279	0.1825	22.9048	6.1159
644	TFCO_G2	LinStatic	-3.422	0.414	6.91	-0.0755	-12.7794	-5.0036
644	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
644	T°	LinStatic	0.	0.	0.	0.	0.	0.
644	L_E	LinStatic	12.601	-0.498	7.805	0.0447	43.3053	-3.8197
644	CG	LinStatic	22.057	9.778	111.259	-1.138	74.3928	-9.0289
644	CG_DEAD	LinStatic	7.389	1.486	102.114	-0.1029	21.6251	-4.6577
651	DEAD	LinStatic	7.631	1.88	102.051	-0.1615	15.4876	-4.3087
651	W0_1	LinStatic	0.586	0.411	-12.23	0.0824	0.9837	1.0198
651	W0_2	LinStatic	-1.495	0.848	-2.624	0.0495	-21.598	2.3083
651	W180_1	LinStatic	2.658	0.636	-10.363	0.0342	33.5049	-2.8816
651	W180_2	LinStatic	0.938	1.105	-1.036	0.0027	15.0357	-1.8511
651	W90	LinStatic	1.601	0.047	-9.797	0.2383	16.8237	-0.4179
651	W270	LinStatic	1.483	-2.015	-6.867	-0.1413	15.6579	-0.2513
651	SNOW	LinStatic	-1.219	0.327	5.949	-0.0269	-13.3807	0.7989
651	L_G1	LinStatic	-0.975	0.262	4.759	-0.0215	-10.7042	0.6391
651	P_+x	LinStatic	-1.318	1.37	13.51	-0.1031	-13.1658	1.2462
651	P_-x	LinStatic	-0.263	0.416	4.839	-0.0318	-2.3187	0.2659
651	P_+y	LinStatic	-0.481	0.449	4.646	-0.044	-5.8104	0.5749
651	P_-y	LinStatic	-0.596	1.259	13.715	-0.0678	-4.3615	0.5374
651	L_C	LinStatic	0.229	0.636	0.531	-0.0489	2.187	-1.4329
651	Imp_x	LinStatic	-0.21	0.012	-0.021	-7.874E-04	-0.8088	0.1293
651	Imp_y	LinStatic	-3.926E-03	-0.255	0.036	0.0124	-0.0237	-0.01
651	TIERRAS	LinStatic	159.417	-17.649	12.112	1.2888	297.5997	-43.4267
651	SDEAD	LinStatic	-0.02	0.935	-0.935	-0.0678	-0.01	-0.0806
651	TFCO_G1	LinStatic	1.96	-3.234	8.276	0.2083	12.01	6.815
651	TFCO_G2	LinStatic	-2.76	-0.02	4.815	-0.0221	-17.8363	-5.5501
651	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
651	T°	LinStatic	0.	0.	0.	0.	0.	0.
651	L_E	LinStatic	12.578	-0.626	8.33	0.0483	39.0052	-2.9296
651	CG	LinStatic	22.332	6.743	110.653	-0.1701	78.0505	-7.3216
651	CG_DEAD	LinStatic	7.631	1.88	102.051	-0.1615	15.4876	-4.3087
658	DEAD	LinStatic	7.93	1.911	102.303	-0.0919	23.6698	-4.7431
658	W0_1	LinStatic	0.545	0.95	-13.047	-0.1882	2.1347	1.3462
658	W0_2	LinStatic	-1.499	1.182	-3.412	-0.2065	-9.5451	1.6831

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
658	W180_1	LinStatic	2.627	1.407	-10.417	-0.17	15.7331	-1.7837
658	W180_2	LinStatic	0.946	1.672	-1.012	-0.1949	5.9829	-1.5356
658	W90	LinStatic	1.555	2.315	-10.686	-0.4324	8.3128	0.4557
658	W270	LinStatic	1.414	-4.479	-6.239	0.6288	7.8906	0.7439
658	SNOW	LinStatic	-1.199	0.202	6.012	-0.0118	-6.8562	0.2416
658	L_G1	LinStatic	-0.959	0.162	4.81	-0.0094	-5.4846	0.1933
658	P_+x	LinStatic	-1.328	1.178	13.817	-0.0844	-7.9388	0.6789
658	P_-x	LinStatic	-0.269	0.359	4.956	-0.0248	-1.6416	0.1652
658	P_+y	LinStatic	-0.483	0.279	4.75	-0.0095	-2.9242	0.3317
658	P_-y	LinStatic	-0.613	1.344	14.008	-0.1245	-3.7544	0.3627
658	L_C	LinStatic	0.298	0.86	0.944	-0.0502	2.3489	-1.7101
658	Imp_x	LinStatic	-0.215	8.203E-03	-0.026	-8.212E-04	-0.7499	0.115
658	Imp_y	LinStatic	-3.103E-03	-0.304	0.044	0.0279	-0.0207	-0.0095
658	TIERRAS	LinStatic	161.418	-15.181	10.783	1.126	305.8002	-34.9122
658	SDEAD	LinStatic	-0.015	0.931	-0.881	-0.0725	-0.0133	-0.0587
658	TFCO_G1	LinStatic	1.669	-3.673	5.113	0.3055	15.1497	4.574
658	TFCO_G2	LinStatic	-2.073	-0.788	2.499	0.0909	-8.939	-7.8052
658	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
658	Tº	LinStatic	0.	0.	0.	0.	0.	0.
658	L_E	LinStatic	12.631	-0.836	8.488	0.0729	45.1822	-2.5852
658	CG	LinStatic	22.554	8.342	110.465	-0.8874	78.5949	-6.3485
658	CG_DEAD	LinStatic	7.93	1.911	102.303	-0.0919	23.6698	-4.7431
670	DEAD	LinStatic	8.388	3.102	104.532	-0.1599	25.7456	-4.0082
670	W0_1	LinStatic	0.381	0.436	-14.496	-0.1181	1.2137	1.7854
670	W0_2	LinStatic	-1.523	0.136	-5.319	-0.0951	-10.0658	0.8362
670	W180_1	LinStatic	2.582	2.104	-9.242	-0.1911	16.3027	-0.5911
670	W180_2	LinStatic	1.022	1.76	-0.302	-0.1705	6.9066	-1.3619
670	W90	LinStatic	1.393	3.81	-10.647	-0.5574	7.5968	1.6816
670	W270	LinStatic	1.2	-5.654	-7.057	0.6999	6.7996	2.0211
670	SNOW	LinStatic	-1.12	-0.07	5.886	0.0108	-6.6551	-0.4942
670	L_G1	LinStatic	-0.896	-0.056	4.709	0.0087	-5.3238	-0.3953
670	P_+x	LinStatic	-1.307	0.529	13.982	-0.0285	-7.9767	-0.0339
670	P_-x	LinStatic	-0.269	0.164	5.047	-0.008	-1.6587	0.0324
670	P_+y	LinStatic	-0.483	-0.026	4.714	0.016	-2.9949	0.0492
670	P_-y	LinStatic	-0.618	0.901	14.325	-0.0853	-3.7949	0.11
670	L_C	LinStatic	0.499	1.55	2.493	-0.0988	3.5677	-2.1077
670	Imp_x	LinStatic	-0.225	-1.870E-03	-0.041	-5.044E-05	-0.8065	0.1
670	Imp_y	LinStatic	-2.056E-03	-0.327	0.029	0.0299	-0.0134	-0.0073
670	TIERRAS	LinStatic	164.107	-10.893	8.345	0.804	317.5422	-22.0675
670	SDEAD	LinStatic	-8.826E-03	0.758	-0.68	-0.0573	-0.0079	-0.0347
670	TFCO_G1	LinStatic	0.986	-1.627	1.174	0.1436	9.6664	4.9815
670	TFCO_G2	LinStatic	-1.28	0.347	-0.262	-0.0029	-5.6139	-5.4683
670	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
670	Tº	LinStatic	0.	0.	0.	0.	0.	0.
670	L_E	LinStatic	12.645	-0.694	8.404	0.0573	46.4464	-0.9756
670	CG	LinStatic	22.789	8.049	112.319	-0.7286	81.4329	-3.0567
670	CG_DEAD	LinStatic	8.388	3.102	104.532	-0.1599	25.7456	-4.0082
677	DEAD	LinStatic	8.596	4.045	106.638	-0.3332	22.62	-3.3329
677	W0_1	LinStatic	0.249	-0.32	-15.16	0.0673	-1.6897	1.7999
677	W0_2	LinStatic	-1.548	-0.736	-6.485	0.0927	-21.2651	0.9954
677	W180_1	LinStatic	2.564	2.1	-7.954	-0.1217	31.8015	-0.9329
677	W180_2	LinStatic	1.089	1.551	0.426	-0.0816	15.7289	-1.6149
677	W90	LinStatic	1.265	2.381	-9.719	0.1137	13.1322	1.5968

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
677	W270	LinStatic	1.05	-4.218	-8.543	0.0135	10.866	1.8631
677	SNOW	LinStatic	-1.06	-0.081	5.696	-5.709E-04	-11.6299	-0.3862
677	L_G1	LinStatic	-0.848	-0.065	4.557	-4.593E-04	-9.3036	-0.309
677	P_+x	LinStatic	-1.275	0.439	13.807	-0.0415	-12.2273	-0.0346
677	P_-x	LinStatic	-0.265	0.149	5.012	-0.014	-2.2468	0.0138
677	P_+y	LinStatic	-0.478	-0.013	4.557	-0.0142	-5.3676	0.0852
677	P_-y	LinStatic	-0.609	0.683	14.33	-0.0269	-4.455	0.0341
677	L_C	LinStatic	0.637	1.921	3.693	-0.135	5.3934	-2.0809
677	Imp_x	LinStatic	-0.23	-6.951E-03	-0.052	4.713E-04	-0.9205	0.0957
677	Imp_y	LinStatic	-1.703E-03	-0.289	5.281E-03	0.0137	-0.0113	-0.0064
677	TIERRAS	LinStatic	164.981	-9.033	7.315	0.6595	321.4855	-17.2806
677	SDEAD	LinStatic	-6.710E-03	0.646	-0.58	-0.0461	-0.0056	-0.0267
677	TFCO_G1	LinStatic	0.751	-0.865	0.358	0.0281	6.9518	4.7843
677	TFCO_G2	LinStatic	-0.992	0.733	-0.727	-0.0839	-5.1494	-4.2995
677	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
677	T°	LinStatic	0.	0.	0.	0.	0.	0.
677	L_E	LinStatic	12.543	-0.597	8.373	0.041	42.4697	-0.2042
677	CG	LinStatic	22.758	7.303	114.669	-0.4405	83.1301	-2.1982
677	CG_DEAD	LinStatic	8.596	4.045	106.638	-0.3332	22.62	-3.3329
684	DEAD	LinStatic	8.85	3.944	109.282	-0.225	27.5374	-3.3987
684	W0_1	LinStatic	0.135	-0.281	-15.971	-0.0055	-0.0109	2.0522
684	W0_2	LinStatic	-1.437	-0.7	-7.801	0.0251	-10.5729	0.4695
684	W180_1	LinStatic	2.354	2.144	-6.511	-0.1592	16.7454	-0.178
684	W180_2	LinStatic	1.059	1.584	1.266	-0.1256	7.9755	-1.4308
684	W90	LinStatic	1.049	4.486	-8.544	-0.6338	6.4848	2.4585
684	W270	LinStatic	0.83	-6.344	-10.532	0.7603	5.4012	2.7131
684	SNOW	LinStatic	-0.931	-0.096	5.527	0.0125	-6.2933	-0.8415
684	L_G1	LinStatic	-0.745	-0.077	4.422	0.01	-5.0343	-0.6732
684	P_+x	LinStatic	-1.183	0.367	13.688	-0.0178	-7.7846	-0.3764
684	P_-x	LinStatic	-0.251	0.133	5.001	-0.0067	-1.6228	-0.03
684	P_+y	LinStatic	-0.442	-0.126	4.399	0.0241	-3.0075	-0.0956
684	P_-y	LinStatic	-0.588	0.865	14.433	-0.0873	-3.7061	0.0043
684	L_C	LinStatic	0.774	2.066	5.114	-0.1447	5.0202	-2.2999
684	Imp_x	LinStatic	-0.234	-8.790E-03	-0.065	6.107E-04	-0.8637	0.0914
684	Imp_y	LinStatic	-1.441E-03	-0.339	-0.023	0.0316	-0.0091	-0.0052
684	TIERRAS	LinStatic	165.634	-7.394	6.44	0.5442	324.3813	-13.3436
684	SDEAD	LinStatic	-5.143E-03	0.549	-0.493	-0.041	-0.0046	-0.0202
684	TFCO_G1	LinStatic	0.58	-0.649	-0.082	0.0622	5.8686	4.1553
684	TFCO_G2	LinStatic	-0.751	0.68	-0.917	-0.0364	-3.5274	-3.5819
684	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
684	T°	LinStatic	0.	0.	0.	0.	0.	0.
684	L_E	LinStatic	12.488	-0.571	8.297	0.0436	46.621	0.3992
684	CG	LinStatic	22.706	7.472	117.649	-0.5399	82.7875	-0.554
684	CG_DEAD	LinStatic	8.85	3.944	109.282	-0.225	27.5374	-3.3987
691	DEAD	LinStatic	9.053	4.127	112.127	-0.3286	25.7199	-2.7273
691	W0_1	LinStatic	-0.013	-0.371	-16.765	0.0145	-3.6061	1.9162
691	W0_2	LinStatic	-1.456	-0.675	-8.983	0.0313	-20.2528	0.7608
691	W180_1	LinStatic	2.333	1.814	-5.146	-0.1315	29.8546	-0.7457
691	W180_2	LinStatic	1.138	1.272	2.107	-0.092	16.0059	-1.6853
691	W90	LinStatic	0.886	2.11	-7.522	0.172	9.7116	2.1315
691	W270	LinStatic	0.651	-3.922	-12.596	-0.0307	7.0921	2.2887
691	SNOW	LinStatic	-0.86	0.01	5.44	-0.0076	-9.9424	-0.5714
691	L_G1	LinStatic	-0.688	8.349E-03	4.352	-0.0061	-7.9536	-0.4571

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m	M3 KN-m
691	P_+x	LinStatic	-1.143	0.469	13.732	-0.044	-11.1714	-0.2298
691	P_-x	LinStatic	-0.246	0.166	5.046	-0.0147	-2.1254	-0.0194
691	P_+y	LinStatic	-0.433	0.014	4.302	-0.0177	-4.8858	-0.0132
691	P_-y	LinStatic	-0.579	0.705	14.688	-0.0248	-4.3861	-0.0074
691	L_C	LinStatic	0.934	1.998	6.565	-0.1295	7.5566	-2.0974
691	Imp_x	LinStatic	-0.239	-7.410E-03	-0.077	3.646E-04	-0.9784	0.086
691	Imp_y	LinStatic	-1.230E-03	-0.282	-0.048	0.0122	-0.0083	-0.0046
691	TIERRAS	LinStatic	166.119	-5.891	5.719	0.4298	326.6217	-10.1353
691	SDEAD	LinStatic	-3.974E-03	0.446	-0.42	-0.032	-0.0033	-0.0153
691	TFCO_G1	LinStatic	0.435	-0.305	-0.292	0.0057	4.2641	3.6654
691	TFCO_G2	LinStatic	-0.578	0.777	-0.948	-0.0711	-3.105	-2.7872
691	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
691	Tº	LinStatic	0.	0.	0.	0.	0.	0.
691	L_E	LinStatic	12.382	-0.508	8.158	0.0345	42.3888	1.038
691	CG	LinStatic	22.647	7.21	121.154	-0.5687	81.9594	0.0383
691	CG_DEAD	LinStatic	9.053	4.127	112.127	-0.3286	25.7199	-2.7273
698	DEAD	LinStatic	9.258	3.2	114.722	-0.1877	29.1415	-2.6608
698	W0_1	LinStatic	-0.117	-0.34	-17.414	0.064	-1.2883	2.0826
698	W0_2	LinStatic	-1.366	-0.557	-9.886	0.0797	-10.9162	0.5408
698	W180_1	LinStatic	2.175	1.185	-4.106	-0.062	17.0354	-0.5185
698	W180_2	LinStatic	1.134	0.716	2.72	-0.0372	9.0451	-1.707
698	W90	LinStatic	0.679	3.988	-6.814	-0.6416	5.0016	2.7341
698	W270	LinStatic	0.448	-5.233	-14.263	0.7164	3.7827	2.8582
698	SNOW	LinStatic	-0.751	0.017	5.431	0.0043	-5.8213	-0.795
698	L_G1	LinStatic	-0.601	0.014	4.345	0.0035	-4.6567	-0.636
698	P_+x	LinStatic	-1.07	0.374	13.887	-0.02	-7.5009	-0.3577
698	P_-x	LinStatic	-0.236	0.129	5.121	-0.0078	-1.5779	-0.0249
698	P_+y	LinStatic	-0.402	-0.066	4.271	0.0214	-2.9597	-0.1108
698	P_-y	LinStatic	-0.567	0.782	14.999	-0.0885	-3.6268	0.0368
698	L_C	LinStatic	1.065	1.85	7.881	-0.1405	6.4924	-2.1818
698	Imp_x	LinStatic	-0.243	-4.548E-03	-0.086	5.378E-04	-0.9185	0.0818
698	Imp_y	LinStatic	-1.045E-03	-0.327	-0.066	0.0319	-0.0063	-0.004
698	TIERRAS	LinStatic	166.472	-4.543	5.148	0.3339	328.2282	-7.4849
698	SDEAD	LinStatic	-3.129E-03	0.359	-0.362	-0.0266	-0.0025	-0.0113
698	TFCO_G1	LinStatic	0.331	-0.257	-0.368	0.0276	3.4905	3.0707
698	TFCO_G2	LinStatic	-0.435	0.649	-0.894	-0.0396	-2.205	-2.2465
698	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
698	Tº	LinStatic	0.	0.	0.	0.	0.	0.
698	L_E	LinStatic	12.253	-0.447	8.021	0.0326	46.0271	1.6493
698	CG	LinStatic	22.503	5.599	124.57	-0.2667	82.8348	1.5455
698	CG_DEAD	LinStatic	9.258	3.2	114.722	-0.1877	29.1415	-2.6608
710	DEAD	LinStatic	9.484	1.415	117.601	-0.0694	30.3387	-1.8438
710	W0_1	LinStatic	-0.318	0.364	-17.1	0.0527	-2.5306	1.958
710	W0_2	LinStatic	-1.4	0.243	-9.905	0.0643	-11.3105	0.947
710	W180_1	LinStatic	2.217	9.362E-03	-3.186	0.0416	17.5523	-1.3651
710	W180_2	LinStatic	1.308	-0.512	2.798	0.0706	10.2206	-2.0974
710	W90	LinStatic	0.393	3.112	-6.866	-0.6184	3.3643	2.576
710	W270	LinStatic	0.161	-2.906	-14.578	0.5791	2.0898	2.5654
710	SNOW	LinStatic	-0.669	0.039	5.459	0.0048	-5.4031	-0.4706
710	L_G1	LinStatic	-0.535	0.031	4.367	0.0038	-4.3222	-0.3764
710	P_+x	LinStatic	-1.029	0.093	13.987	0.0054	-7.3071	-0.1101
710	P_-x	LinStatic	-0.232	9.670E-04	5.144	0.0028	-1.5617	0.0175
710	P_+y	LinStatic	-0.388	-0.048	4.298	0.0235	-2.9061	-0.0298

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
710	P_y	LinStatic	-0.57	0.279	15.067	-0.0509	-3.6435	0.1278
710	L_C	LinStatic	1.279	1.337	9.652	-0.104	7.7447	-1.816
710	Imp_x	LinStatic	-0.251	6.465E-03	-0.085	-1.198E-04	-0.965	0.0699
710	Imp_y	LinStatic	-6.905E-04	-0.303	-0.06	0.0311	-0.0041	-0.0034
710	TIERRAS	LinStatic	166.886	-2.132	4.414	0.1565	330.1779	-3.3721
710	SDEAD	LinStatic	-2.132E-03	0.198	-0.286	-0.0147	-0.0013	-0.0055
710	TFCO_G1	LinStatic	0.185	-0.149	-0.34	0.0168	2.0577	2.1384
710	TFCO_G2	LinStatic	-0.249	0.481	-0.697	-0.03	-1.3773	-1.3474
710	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
710	Tº	LinStatic	0.	0.	0.	0.	0.	0.
710	L_E	LinStatic	11.665	-0.41	7.672	0.0249	44.3965	2.3639
710	CG	LinStatic	21.9	3.016	130.042	0.027	81.0443	2.8229
710	CG_DEAD	LinStatic	9.484	1.415	117.601	-0.0694	30.3387	-1.8438
717	DEAD	LinStatic	9.532	1.044	118.089	-0.0823	29.6273	-1.3747
717	W0_1	LinStatic	-0.426	1.13	-16.261	-0.1696	-7.2428	1.7167
717	W0_2	LinStatic	-1.526	1.114	-9.192	-0.1709	-20.5427	0.9988
717	W180_1	LinStatic	2.419	-0.135	-3.209	-0.0395	30.318	-1.4619
717	W180_2	LinStatic	1.494	-0.7	2.285	0.0061	18.8976	-1.9588
717	W90	LinStatic	0.293	-6.053E-03	-7.548	0.3849	3.6987	2.1698
717	W270	LinStatic	0.057	0.475	-13.315	-0.3957	0.9142	2.1066
717	SNOW	LinStatic	-0.69	0.134	5.485	-0.015	-8.1636	-0.3135
717	L_G1	LinStatic	-0.552	0.107	4.388	-0.012	-6.5307	-0.2507
717	P_+x	LinStatic	-1.061	0.157	13.934	-0.0197	-10.3379	-0.0237
717	P_-x	LinStatic	-0.239	4.555E-03	5.097	-0.002	-2.0926	0.0247
717	P_+y	LinStatic	-0.404	0.125	4.347	-0.0273	-4.4387	0.0109
717	P_-y	LinStatic	-0.586	-0.03	14.848	0.0352	-4.6407	0.1211
717	L_C	LinStatic	1.372	1.175	10.346	-0.066	11.2853	-1.4351
717	Imp_x	LinStatic	-0.255	0.012	-0.076	-0.0012	-1.0899	0.0593
717	Imp_y	LinStatic	-5.005E-04	-0.23	-0.039	0.007	-0.0032	-0.0031
717	TIERRAS	LinStatic	166.98	-1.024	4.235	0.0747	330.6421	-1.6727
717	SDEAD	LinStatic	-1.902E-03	0.126	-0.265	-0.009	-8.957E-04	-0.0033
717	TFCO_G1	LinStatic	0.134	-0.11	-0.292	0.0045	1.5074	1.763
717	TFCO_G2	LinStatic	-0.191	0.416	-0.593	-0.0334	-1.1719	-1.0221
717	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
717	Tº	LinStatic	0.	0.	0.	0.	0.	0.
717	L_E	LinStatic	11.078	-0.415	7.306	0.0326	39.4638	2.4303
717	CG	LinStatic	21.314	4.073	132.212	-0.5292	76.7458	3.0111
717	CG_DEAD	LinStatic	9.532	1.044	118.089	-0.0823	29.6273	-1.3747
724	DEAD	LinStatic	9.579	0.855	118.563	-0.0439	31.2862	-0.9018
724	W0_1	LinStatic	-0.476	0.277	-15.378	0.0808	-3.6347	1.7571
724	W0_2	LinStatic	-1.556	0.356	-8.343	0.0742	-11.925	1.3658
724	W180_1	LinStatic	2.499	-0.836	-3.441	0.1247	18.505	-2.1291
724	W180_2	LinStatic	1.593	-1.281	1.587	0.1441	11.5076	-2.3345
724	W90	LinStatic	0.191	2.566	-8.557	-0.5925	1.912	2.203
724	W270	LinStatic	-0.031	-1.85	-11.662	0.5183	0.6549	2.0433
724	SNOW	LinStatic	-0.689	0.16	5.576	-0.0067	-5.1888	-0.1137
724	L_G1	LinStatic	-0.551	0.128	4.461	-0.0054	-4.1509	-0.0908
724	P_+x	LinStatic	-1.067	0.177	14.005	-0.0041	-7.2974	0.1436
724	P_-x	LinStatic	-0.242	0.021	5.086	2.170E-04	-1.5823	0.0554
724	P_+y	LinStatic	-0.404	0.036	4.46	0.0166	-2.9044	0.0676
724	P_-y	LinStatic	-0.597	0.265	14.708	-0.0538	-3.7443	0.1892
724	L_C	LinStatic	1.419	1.295	11.142	-0.0961	8.6258	-1.3628
724	Imp_x	LinStatic	-0.258	0.01	-0.066	-3.849E-04	-1.002	0.0565

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
724	Imp_y	LinStatic	-3.073E-04	-0.295	-0.013	0.0309	-0.0022	-0.0033
724	TIERRAS	LinStatic	167.011	0.059	4.176	-0.0045	330.7854	-0.0695
724	SDEAD	LinStatic	-1.825E-03	0.058	-0.253	-0.0043	-4.944E-04	-0.0012
724	TFCO_G1	LinStatic	0.099	-0.158	-0.245	0.0146	1.1979	1.4118
724	TFCO_G2	LinStatic	-0.144	0.29	-0.501	-0.0185	-0.8739	-0.8021
724	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
724	T°	LinStatic	0.	0.	0.	0.	0.	0.
724	L_E	LinStatic	10.561	-0.163	6.995	0.0117	43.2808	3.0434
724	CG	LinStatic	20.781	1.877	134.742	0.1735	79.4954	4.0264
724	CG_DEAD	LinStatic	9.579	0.855	118.563	-0.0439	31.2862	-0.9018
731	DEAD	LinStatic	9.582	0.891	119.303	-0.071	30.2484	-0.4115
731	W0_1	LinStatic	-0.576	0.623	-14.725	-0.1413	-8.8664	1.4673
731	W0_2	LinStatic	-1.727	0.77	-7.631	-0.1497	-22.2701	1.1646
731	W180_1	LinStatic	2.781	-0.549	-3.735	-0.0359	33.2117	-1.7924
731	W180_2	LinStatic	1.815	-0.979	0.896	0.0046	21.5842	-1.9288
731	W90	LinStatic	0.115	-0.053	-9.662	0.3941	1.6427	1.8276
731	W270	LinStatic	-0.104	0.545	-10.111	-0.4005	-0.9558	1.6319
731	SNOW	LinStatic	-0.742	0.225	5.732	-0.0188	-8.3512	-0.0883
731	L_G1	LinStatic	-0.593	0.18	4.585	-0.0151	-6.6808	-0.0705
731	P_+x	LinStatic	-1.128	0.278	14.248	-0.0264	-10.7393	0.1121
731	P_-x	LinStatic	-0.254	0.057	5.139	-0.0055	-2.1988	0.042
731	P_+y	LinStatic	-0.43	0.171	4.627	-0.0295	-4.5787	0.0584
731	P_-y	LinStatic	-0.625	0.107	14.751	0.0261	-4.953	0.1417
731	L_C	LinStatic	1.5	1.25	12.107	-0.0828	12.5868	-0.9892
731	Imp_x	LinStatic	-0.262	9.768E-03	-0.056	-9.021E-04	-1.1412	0.0437
731	Imp_y	LinStatic	-1.072E-04	-0.234	0.012	0.0071	-4.139E-04	-0.0031
731	TIERRAS	LinStatic	166.98	1.139	4.236	-0.0831	330.6536	1.5272
731	SDEAD	LinStatic	-1.895E-03	-8.626E-03	-0.251	5.929E-04	-2.463E-04	8.222E-04
731	TFCO_G1	LinStatic	0.074	-0.164	-0.212	0.0111	0.9182	1.1531
731	TFCO_G2	LinStatic	-0.107	0.214	-0.431	-0.0163	-0.6992	-0.5953
731	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
731	T°	LinStatic	0.	0.	0.	0.	0.	0.
731	L_E	LinStatic	10.207	0.125	6.974	-0.0097	37.3316	3.2733
731	CG	LinStatic	20.413	3.462	137.913	-0.5466	73.6922	4.5087
731	CG_DEAD	LinStatic	9.582	0.891	119.303	-0.071	30.2484	-0.4115
738	DEAD	LinStatic	9.574	0.577	120.164	-0.0324	31.5504	0.0257
738	W0_1	LinStatic	-0.615	-0.467	-14.356	0.1405	-4.5408	1.5503
738	W0_2	LinStatic	-1.782	-0.285	-7.156	0.1211	-12.695	1.5843
738	W180_1	LinStatic	2.897	-1.212	-4.037	0.1766	19.739	-2.4389
738	W180_2	LinStatic	1.92	-1.452	0.291	0.177	12.7765	-2.2679
738	W90	LinStatic	0.042	3.219	-10.534	-0.6358	0.7472	1.7936
738	W270	LinStatic	-0.157	-2.552	-8.98	0.5627	-0.3759	1.4948
738	SNOW	LinStatic	-0.759	0.184	5.906	-0.0123	-5.169	0.1044
738	L_G1	LinStatic	-0.607	0.147	4.724	-0.0098	-4.1351	0.0837
738	P_+x	LinStatic	-1.15	0.143	14.558	-0.0063	-7.4235	0.2515
738	P_-x	LinStatic	-0.259	0.027	5.223	-0.0013	-1.6235	0.0616
738	P_+y	LinStatic	-0.437	-4.625E-03	4.798	0.0172	-2.9525	0.1212
738	P_-y	LinStatic	-0.64	0.321	14.906	-0.0607	-3.8763	0.1697
738	L_C	LinStatic	1.532	1.061	13.068	-0.0716	9.1868	-0.9237
738	Imp_x	LinStatic	-0.264	4.728E-03	-0.049	-1.308E-04	-1.0316	0.0397
738	Imp_y	LinStatic	8.067E-05	-0.314	0.031	0.0323	-2.898E-04	-0.0034
738	TIERRAS	LinStatic	166.887	2.253	4.415	-0.1658	330.2181	3.2221
738	SDEAD	LinStatic	-2.115E-03	-0.076	-0.259	0.0056	1.257E-04	0.003

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
738	TFCO_G1	LinStatic	0.056	-0.206	-0.188	0.0167	0.7094	0.9258
738	TFCO_G2	LinStatic	-0.078	0.117	-0.375	-0.0071	-0.5439	-0.4505
738	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
738	Tº	LinStatic	0.	0.	0.	0.	0.	0.
738	L_E	LinStatic	9.937	0.36	7.246	-0.0255	41.4872	3.4885
738	CG	LinStatic	20.103	-0.083	141.096	0.3492	76.8307	5.015
738	CG_DEAD	LinStatic	9.574	0.577	120.164	-0.0324	31.5504	0.0257
750	DEAD	LinStatic	9.525	-0.537	120.848	0.0552	31.3018	0.6249
750	W0_1	LinStatic	-0.75	-1.032	-14.111	0.1757	-5.3723	1.2917
750	W0_2	LinStatic	-1.998	-0.976	-6.897	0.1646	-13.6962	1.4475
750	W180_1	LinStatic	3.235	-1.368	-4.415	0.2055	21.2777	-2.1269
750	W180_2	LinStatic	2.18	-1.484	-0.541	0.1981	14.0876	-1.8317
750	W90	LinStatic	-0.079	4.72	-10.469	-0.7303	-0.1391	1.4019
750	W270	LinStatic	-0.236	-3.735	-8.412	0.62	-1.089	1.0108
750	SNOW	LinStatic	-0.815	0.015	6.017	-8.181E-04	-5.3122	0.1289
750	L_G1	LinStatic	-0.652	0.012	4.814	-6.515E-04	-4.2498	0.1032
750	P_+x	LinStatic	-1.207	-0.367	14.662	0.0328	-7.6317	0.1679
750	P_-x	LinStatic	-0.27	-0.129	5.234	0.0113	-1.6697	0.0304
750	P_+y	LinStatic	-0.464	-0.231	4.883	0.0332	-3.0466	0.1026
750	P_-y	LinStatic	-0.662	-0.043	14.9	-0.0294	-3.9926	0.068
750	L_C	LinStatic	1.592	0.361	14.251	-0.0136	9.5828	-0.4888
750	Imp_x	LinStatic	-0.268	-1.770E-03	-0.043	1.834E-04	-1.052	0.0161
750	Imp_y	LinStatic	4.170E-04	-0.348	0.031	0.0344	0.0017	-0.0039
750	TIERRAS	LinStatic	166.475	4.674	5.153	-0.3442	328.324	7.3157
750	SDEAD	LinStatic	-3.087E-03	-0.216	-0.302	0.016	7.350E-04	0.0082
750	TFCO_G1	LinStatic	0.03	-0.263	-0.154	0.0207	0.4112	0.6363
750	TFCO_G2	LinStatic	-0.043	-0.028	-0.292	0.0034	-0.3498	-0.2074
750	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
750	Tº	LinStatic	0.	0.	0.	0.	0.	0.
750	L_E	LinStatic	9.567	0.367	7.884	-0.02	39.4536	2.757
750	CG	LinStatic	19.618	-4.439	143.834	0.7021	73.754	4.5841
750	CG_DEAD	LinStatic	9.525	-0.537	120.848	0.0552	31.3018	0.6249
757	DEAD	LinStatic	9.485	-0.742	120.618	0.0496	30.1615	0.9814
757	W0_1	LinStatic	-0.859	-0.68	-14.164	-0.0515	-12.1579	0.8281
757	W0_2	LinStatic	-2.172	-0.683	-7.024	-0.0425	-26.8628	0.8099
757	W180_1	LinStatic	3.474	-0.697	-4.59	-0.0617	39.9075	-1.2448
757	W180_2	LinStatic	2.349	-0.843	-0.874	-0.038	26.7697	-1.1498
757	W90	LinStatic	-0.14	2.687	-9.481	0.1749	-1.3608	1.0374
757	W270	LinStatic	-0.272	-1.98	-8.976	-0.1855	-3.0354	0.7393
757	SNOW	LinStatic	-0.853	-0.019	5.97	0.0034	-9.1966	0.0178
757	L_G1	LinStatic	-0.683	-0.015	4.776	0.0027	-7.3573	0.0143
757	P_+x	LinStatic	-1.242	-0.468	14.46	0.0321	-11.7324	0.0017
757	P_-x	LinStatic	-0.275	-0.153	5.16	0.0104	-2.3897	-0.0044
757	P_+y	LinStatic	-0.484	-0.192	4.804	-2.806E-04	-5.0617	0.0227
757	P_-y	LinStatic	-0.669	-0.337	14.728	0.0592	-5.3685	-0.0094
757	L_C	LinStatic	1.626	0.226	14.456	-0.0187	14.0784	-0.2116
757	Imp_x	LinStatic	-0.269	-5.079E-03	-0.042	3.955E-04	-1.2132	-0.0023
757	Imp_y	LinStatic	5.931E-04	-0.299	9.985E-03	0.0123	0.0042	-0.0045
757	TIERRAS	LinStatic	166.124	6.024	5.73	-0.4389	326.7298	9.9551
757	SDEAD	LinStatic	-3.918E-03	-0.289	-0.34	0.0207	8.833E-04	0.0118
757	TFCO_G1	LinStatic	0.022	-0.287	-0.148	0.0209	0.3551	0.5167
757	TFCO_G2	LinStatic	-0.031	-0.087	-0.267	0.0064	-0.2411	-0.1411

8. Structure results

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Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
757	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
757	T°	LinStatic	0.	0.	0.	0.	0.	0.
757	L_E	LinStatic	9.432	0.434	8.001	-0.0356	34.809	2.7178
757	CG	LinStatic	19.397	-3.447	143.087	-0.1041	68.5602	4.536
757	CG_DEAD	LinStatic	9.485	-0.742	120.618	0.0496	30.1615	0.9814
764	DEAD	LinStatic	9.442	-0.813	120.473	0.0648	30.9389	1.3463
764	W0_1	LinStatic	-0.886	-1.695	-14.407	0.2304	-5.9835	0.8351
764	W0_2	LinStatic	-2.187	-1.591	-7.29	0.2129	-14.4818	0.7778
764	W180_1	LinStatic	3.484	-1.566	-4.824	0.2343	22.4451	-1.0621
764	W180_2	LinStatic	2.36	-1.544	-1.189	0.2175	15.0359	-0.9507
764	W90	LinStatic	-0.186	5.368	-8.282	-0.7597	-0.7279	1.0248
764	W270	LinStatic	-0.283	-4.499	-9.919	0.654	-1.5424	0.5853
764	SNOW	LinStatic	-0.843	0.017	5.954	-0.0038	-5.4384	-0.0434
764	L_G1	LinStatic	-0.675	0.014	4.763	-0.0031	-4.3507	-0.0347
764	P_+x	LinStatic	-1.226	-0.49	14.315	0.0372	-7.7576	-0.1036
764	P_-x	LinStatic	-0.271	-0.152	5.109	0.0116	-1.6929	-0.0336
764	P_+y	LinStatic	-0.479	-0.303	4.733	0.0362	-3.113	-0.0036
764	P_-y	LinStatic	-0.659	-0.073	14.644	-0.0303	-4.0423	-0.0925
764	L_C	LinStatic	1.605	0.132	14.636	-0.0028	9.7831	3.016E-04
764	Imp_x	LinStatic	-0.268	-8.138E-03	-0.041	5.769E-04	-1.0575	-0.0156
764	Imp_y	LinStatic	7.898E-04	-0.368	-0.018	0.0354	0.0043	-0.0051
764	TIERRAS	LinStatic	165.641	7.546	6.463	-0.5565	324.5595	13.1615
764	SDEAD	LinStatic	-5.057E-03	-0.371	-0.389	0.0277	0.0014	0.0165
764	TFCO_G1	LinStatic	0.018	-0.328	-0.15	0.0248	0.2415	0.4163
764	TFCO_G2	LinStatic	-0.021	-0.157	-0.253	0.0121	-0.2221	-0.0962
764	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
764	T°	LinStatic	0.	0.	0.	0.	0.	0.
764	L_E	LinStatic	9.338	0.486	8.13	-0.031	38.4758	2.6906
764	CG	LinStatic	19.209	-6.722	142.082	0.8712	71.8991	4.9706
764	CG_DEAD	LinStatic	9.442	-0.813	120.473	0.0648	30.9389	1.3463
771	DEAD	LinStatic	9.365	-0.828	120.58	0.0594	29.6996	1.822
771	W0_1	LinStatic	-0.988	-1.175	-14.799	-0.0237	-13.6494	0.2399
771	W0_2	LinStatic	-2.346	-1.114	-7.619	-0.0182	-28.8059	-0.1315
771	W180_1	LinStatic	3.692	-0.728	-5.087	-0.0709	42.2816	0.1501
771	W180_2	LinStatic	2.503	-0.762	-1.457	-0.0551	28.4709	-0.0784
771	W90	LinStatic	-0.24	2.733	-7.201	0.163	-2.4723	0.6824
771	W270	LinStatic	-0.309	-2.271	-11.003	-0.1517	-3.5462	0.3449
771	SNOW	LinStatic	-0.874	0.012	6.	0.0022	-9.4033	-0.23
771	L_G1	LinStatic	-0.699	9.863E-03	4.8	0.0018	-7.5227	-0.184
771	P_+x	LinStatic	-1.254	-0.504	14.313	0.0357	-11.9487	-0.3545
771	P_-x	LinStatic	-0.274	-0.146	5.11	0.0101	-2.4147	-0.083
771	P_+y	LinStatic	-0.497	-0.215	4.707	0.0019	-5.2334	-0.1286
771	P_-y	LinStatic	-0.662	-0.325	14.71	0.0592	-5.3722	-0.1934
771	L_C	LinStatic	1.633	0.124	14.878	-0.0104	14.2793	0.3174
771	Imp_x	LinStatic	-0.269	-0.012	-0.042	9.105E-04	-1.2237	-0.039
771	Imp_y	LinStatic	1.046E-03	-0.306	-0.047	0.013	0.0067	-0.0061
771	TIERRAS	LinStatic	164.989	9.189	7.358	-0.6693	321.6745	17.0898
771	SDEAD	LinStatic	-6.605E-03	-0.449	-0.45	0.0322	0.0015	0.0226
771	TFCO_G1	LinStatic	0.017	-0.359	-0.16	0.0265	0.2319	0.3307
771	TFCO_G2	LinStatic	-0.011	-0.213	-0.248	0.0159	-0.1317	-0.0677
771	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
771	T°	LinStatic	0.	0.	0.	0.	0.	0.

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
771	L_E	LinStatic	9.16	0.579	8.286	-0.0439	34.0262	2.9727
771	CG	LinStatic	18.91	-4.619	141.417	-0.0423	65.9117	5.33
771	CG_DEAD	LinStatic	9.365	-0.828	120.58	0.0594	29.6996	1.822
778	DEAD	LinStatic	9.282	-1.094	120.782	0.0754	30.1805	2.3363
778	W0_1	LinStatic	-0.989	-1.97	-15.187	0.2656	-6.1881	0.1601
778	W0_2	LinStatic	-2.318	-1.887	-7.912	0.247	-14.5557	-0.3613
778	W180_1	LinStatic	3.64	-1.504	-5.301	0.2442	22.5163	0.5852
778	W180_2	LinStatic	2.468	-1.458	-1.641	0.2257	15.1638	0.2657
778	W90	LinStatic	-0.268	4.833	-6.494	-0.722	-1.0653	0.668
778	W270	LinStatic	-0.307	-3.992	-11.857	0.6157	-1.7494	0.2021
778	SNOW	LinStatic	-0.853	-3.639E-03	6.072	-0.0047	-5.3578	-0.3548
778	L_G1	LinStatic	-0.683	-2.909E-03	4.858	-0.0037	-4.2863	-0.2839
778	P_+x	LinStatic	-1.224	-0.649	14.371	0.0452	-7.6332	-0.529
778	P_-x	LinStatic	-0.267	-0.188	5.135	0.0131	-1.6666	-0.126
778	P_+y	LinStatic	-0.486	-0.348	4.708	0.0385	-3.0709	-0.1861
778	P_-y	LinStatic	-0.647	-0.229	14.823	-0.0231	-3.9795	-0.3039
778	L_C	LinStatic	1.601	-0.023	15.116	8.734E-04	9.6573	0.5807
778	Imp_x	LinStatic	-0.267	-0.015	-0.043	0.0011	-1.0431	-0.0581
778	Imp_y	LinStatic	1.352E-03	-0.359	-0.068	0.0347	0.0078	-0.0072
778	TIERRAS	LinStatic	164.118	11.079	8.421	-0.8196	317.8484	21.8974
778	SDEAD	LinStatic	-8.675E-03	-0.537	-0.52	0.0405	0.0022	0.0307
778	TFCO_G1	LinStatic	0.016	-0.401	-0.175	0.03	0.1567	0.2577
778	TFCO_G2	LinStatic	-4.277E-03	-0.276	-0.25	0.0207	-0.1262	-0.0523
778	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
778	Tº	LinStatic	0.	0.	0.	0.	0.	0.
778	L_E	LinStatic	9.044	0.627	8.419	-0.0431	37.2287	3.2195
778	CG	LinStatic	18.676	-7.885	141.035	0.9785	69.4803	6.1563
778	CG_DEAD	LinStatic	9.282	-1.094	120.782	0.0754	30.1805	2.3363
790	DEAD	LinStatic	9.014	-2.148	120.279	0.1588	28.8297	3.7728
790	W0_1	LinStatic	-0.995	-1.695	-15.089	0.2568	-6.1082	-0.7471
790	W0_2	LinStatic	-2.28	-1.901	-7.898	0.2601	-14.0848	-1.9278
790	W180_1	LinStatic	3.563	-1.171	-5.159	0.2291	21.7356	2.7105
790	W180_2	LinStatic	2.414	-1.284	-1.554	0.2239	14.6563	1.7569
790	W90	LinStatic	-0.298	3.982	-6.64	-0.671	-1.2667	0.338
790	W270	LinStatic	-0.3	-2.559	-11.624	0.5131	-1.7797	-0.1658
790	SNOW	LinStatic	-0.819	-0.226	6.006	0.0123	-5.0936	-0.7704
790	L_G1	LinStatic	-0.655	-0.181	4.805	0.0098	-4.0749	-0.6164
790	P_+x	LinStatic	-1.163	-1.239	14.031	0.0936	-7.2501	-1.1016
790	P_-x	LinStatic	-0.251	-0.38	5.025	0.0288	-1.5845	-0.2496
790	P_+y	LinStatic	-0.464	-0.518	4.6	0.053	-2.9267	-0.4424
790	P_-y	LinStatic	-0.608	-0.87	14.479	0.0282	-3.7813	-0.5748
790	L_C	LinStatic	1.53	-0.53	14.985	0.0364	9.1837	1.282
790	Imp_x	LinStatic	-0.26	-0.021	-0.046	0.0015	-1.0035	-0.1154
790	Imp_y	LinStatic	2.304E-03	-0.336	-0.07	0.0331	0.0129	-0.0099
790	TIERRAS	LinStatic	161.438	15.422	10.998	-1.147	306.2827	34.8199
790	SDEAD	LinStatic	-0.015	-0.673	-0.659	0.0523	0.0027	0.0555
790	TFCO_G1	LinStatic	0.021	-0.49	-0.215	0.0362	0.1275	0.1342
790	TFCO_G2	LinStatic	0.011	-0.399	-0.27	0.0295	-0.0445	-0.0536
790	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
790	Tº	LinStatic	0.	0.	0.	0.	0.	0.
790	L_E	LinStatic	8.747	0.824	8.633	-0.056	35.5017	4.5325
790	CG	LinStatic	18.089	-9.716	140.072	1.1671	66.0315	8.4133
790	CG_DEAD	LinStatic	9.014	-2.148	120.279	0.1588	28.8297	3.7728

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
797	DEAD	LinStatic	8.8	-2.391	119.679	0.1823	27.1184	4.7595
797	W0_1	LinStatic	-1.	-0.78	-14.614	-0.0736	-14.5973	-1.3344
797	W0_2	LinStatic	-2.266	-1.161	-7.608	-0.0341	-29.162	-2.8779
797	W180_1	LinStatic	3.535	-0.107	-4.844	-0.1344	42.1249	3.9596
797	W180_2	LinStatic	2.395	-0.369	-1.332	-0.102	28.4554	2.6369
797	W90	LinStatic	-0.307	1.09	-7.457	0.2772	-3.5773	0.1348
797	W270	LinStatic	-0.294	0.148	-10.556	-0.3175	-3.7311	-0.3455
797	SNOW	LinStatic	-0.804	-0.323	5.868	0.0283	-8.8947	-0.9876
797	L_G1	LinStatic	-0.643	-0.258	4.694	0.0226	-7.1157	-0.7901
797	P_+x	LinStatic	-1.127	-1.367	13.662	0.0997	-11.3596	-1.455
797	P_-x	LinStatic	-0.241	-0.418	4.898	0.0303	-2.2698	-0.3259
797	P_+y	LinStatic	-0.453	-0.453	4.501	0.0196	-5.1133	-0.6125
797	P_-y	LinStatic	-0.582	-1.279	14.052	0.1299	-4.9605	-0.734
797	L_C	LinStatic	1.486	-0.675	14.645	0.0546	13.3668	1.6657
797	Imp_x	LinStatic	-0.255	-0.023	-0.047	0.0018	-1.1573	-0.1511
797	Imp_y	LinStatic	3.023E-03	-0.268	-0.052	0.0106	0.0178	-0.0111
797	TIERRAS	LinStatic	159.433	17.813	12.418	-1.3	297.771	43.2154
797	SDEAD	LinStatic	-0.02	-0.685	-0.694	0.0498	0.0015	0.0742
797	TFCO_G1	LinStatic	0.028	-0.544	-0.239	0.0405	0.1869	0.0881
797	TFCO_G2	LinStatic	0.021	-0.466	-0.286	0.0348	0.0531	-0.0585
797	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
797	Tº	LinStatic	0.	0.	0.	0.	0.	0.
797	L_E	LinStatic	8.494	0.996	8.847	-0.074	31.3148	5.8195
797	CG	LinStatic	17.635	-7.088	139.742	0.0861	58.7147	10.3031
797	CG_DEAD	LinStatic	8.8	-2.391	119.679	0.1823	27.1184	4.7595
804	DEAD	LinStatic	8.533	-2.356	119.319	0.1658	26.3173	5.6804
804	W0_1	LinStatic	-0.876	-1.884	-14.097	0.2887	-5.4382	-1.9232
804	W0_2	LinStatic	-2.024	-2.224	-7.264	0.2992	-12.598	-3.9752
804	W180_1	LinStatic	3.199	-1.179	-4.517	0.2357	19.5914	5.403
804	W180_2	LinStatic	2.165	-1.379	-1.084	0.2369	13.1877	3.5956
804	W90	LinStatic	-0.282	3.56	-8.66	-0.6353	-1.3027	0.0251
804	W270	LinStatic	-0.257	-1.853	-9.199	0.4604	-1.6056	-0.5517
804	SNOW	LinStatic	-0.73	-0.314	5.747	0.0164	-4.5621	-1.3016
804	L_G1	LinStatic	-0.584	-0.251	4.598	0.0131	-3.6496	-1.0414
804	P_+x	LinStatic	-1.021	-1.365	13.414	0.1034	-6.4765	-1.8412
804	P_-x	LinStatic	-0.218	-0.415	4.81	0.0312	-1.4223	-0.4103
804	P_+y	LinStatic	-0.406	-0.542	4.451	0.0549	-2.6081	-0.7851
804	P_-y	LinStatic	-0.533	-1.029	13.72	0.0402	-3.4032	-0.9134
804	L_C	LinStatic	1.371	-0.64	14.349	0.0348	8.2318	2.1243
804	Imp_x	LinStatic	-0.246	-0.025	-0.047	0.002	-0.9254	-0.1898
804	Imp_y	LinStatic	3.913E-03	-0.326	-0.027	0.0321	0.021	-0.0124
804	TIERRAS	LinStatic	156.805	20.589	13.789	-1.545	286.6943	52.979
804	SDEAD	LinStatic	-0.027	-0.673	-0.662	0.0563	0.0017	0.0995
804	TFCO_G1	LinStatic	0.035	-0.606	-0.262	0.0448	0.1511	0.0458
804	TFCO_G2	LinStatic	0.031	-0.539	-0.302	0.0399	0.0483	-0.0691
804	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
804	Tº	LinStatic	0.	0.	0.	0.	0.	0.
804	L_E	LinStatic	8.224	0.971	9.047	-0.0795	31.8291	6.4295
804	CG	LinStatic	17.145	-10.65	140.036	1.2528	59.7407	11.5561
804	CG_DEAD	LinStatic	8.533	-2.356	119.319	0.1658	26.3173	5.6804
811	DEAD	LinStatic	8.18	-2.428	119.366	0.1934	24.191	6.7471
811	W0_1	LinStatic	-0.809	-1.032	-13.628	-0.0647	-13.3661	-2.471
811	W0_2	LinStatic	-1.892	-1.534	-6.921	-0.0163	-26.4957	-4.9047

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
811	W180_1	LinStatic	3.036	-0.325	-4.294	-0.1235	38.613	6.7621
811	W180_2	LinStatic	2.058	-0.648	-0.901	-0.0876	26.1896	4.5749
811	W90	LinStatic	-0.287	1.338	-10.005	0.2446	-3.7333	-0.2396
811	W270	LinStatic	-0.231	0.244	-7.836	-0.3102	-3.3278	-0.6995
811	SNOW	LinStatic	-0.686	-0.401	5.673	0.0346	-7.9806	-1.533
811	L_G1	LinStatic	-0.549	-0.321	4.538	0.0277	-6.3843	-1.2264
811	P_+x	LinStatic	-0.95	-1.295	13.412	0.0957	-10.3272	-2.2717
811	P_-x	LinStatic	-0.2	-0.395	4.8	0.029	-2.0593	-0.5078
811	P_+y	LinStatic	-0.378	-0.423	4.487	0.0182	-4.6963	-0.9925
811	P_-y	LinStatic	-0.492	-1.221	13.615	0.1253	-4.4737	-1.1138
811	L_C	LinStatic	1.288	-0.783	14.153	0.0668	11.9975	2.5524
811	Imp_x	LinStatic	-0.236	-0.025	-0.044	0.0018	-1.0557	-0.2334
811	Imp_y	LinStatic	5.095E-03	-0.273	1.285E-03	0.0117	0.029	-0.0123
811	TIERRAS	LinStatic	153.373	23.265	14.913	-1.7038	272.4855	64.0432
811	SDEAD	LinStatic	-0.036	-0.532	-0.5	0.0407	-0.0025	0.1325
811	TFCO_G1	LinStatic	0.046	-0.68	-0.28	0.0506	0.2366	0.0115
811	TFCO_G2	LinStatic	0.043	-0.623	-0.314	0.0464	0.1583	-0.0789
811	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
811	Tº	LinStatic	0.	0.	0.	0.	0.	0.
811	L_E	LinStatic	7.84	0.811	9.022	-0.0543	27.8864	7.2726
811	CG	LinStatic	16.477	-8.093	140.941	0.1511	52.4177	13.1754
811	CG_DEAD	LinStatic	8.18	-2.428	119.366	0.1934	24.191	6.7471
818	DEAD	LinStatic	7.744	-2.537	119.714	0.1733	22.586	7.882
818	W0_1	LinStatic	-0.608	-2.099	-13.126	0.3272	-3.7323	-3.0746
818	W0_2	LinStatic	-1.525	-2.661	-6.556	0.3504	-9.3466	-6.0593
818	W180_1	LinStatic	2.554	-1.604	-4.251	0.2684	15.0861	8.225
818	W180_2	LinStatic	1.731	-1.907	-0.88	0.2777	10.0751	5.5056
818	W90	LinStatic	-0.256	4.45	-11.146	-0.6783	-1.0186	-0.2737
818	W270	LinStatic	-0.172	-2.047	-6.618	0.4607	-1.1515	-0.9043
818	SNOW	LinStatic	-0.583	-0.472	5.595	0.0249	-3.5933	-1.8683
818	L_G1	LinStatic	-0.467	-0.378	4.476	0.0199	-2.8745	-1.4946
818	P_+x	LinStatic	-0.802	-1.297	13.629	0.102	-5.0668	-2.6665
818	P_-x	LinStatic	-0.167	-0.404	4.853	0.0309	-1.1338	-0.6001
818	P_+y	LinStatic	-0.31	-0.518	4.595	0.0538	-1.9853	-1.169
818	P_-y	LinStatic	-0.424	-0.976	13.711	0.0408	-2.7616	-1.3055
818	L_C	LinStatic	1.128	-0.916	13.94	0.0442	6.5779	3.019
818	Imp_x	LinStatic	-0.222	-0.023	-0.037	0.0021	-0.7891	-0.2769
818	Imp_y	LinStatic	6.553E-03	-0.339	0.027	0.0324	0.0331	-0.0119
818	TIERRAS	LinStatic	148.904	26.43	15.519	-2.0085	254.1882	76.0466
818	SDEAD	LinStatic	-0.048	-0.325	-0.12	0.0386	-0.005	0.1771
818	TFCO_G1	LinStatic	0.059	-0.771	-0.296	0.0568	0.2177	-0.0234
818	TFCO_G2	LinStatic	0.058	-0.722	-0.325	0.0532	0.1594	-0.0951
818	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
818	Tº	LinStatic	0.	0.	0.	0.	0.	0.
818	L_E	LinStatic	7.442	0.71	8.707	-0.0726	27.6231	8.3382
818	CG	LinStatic	15.751	-12.278	142.167	1.4036	52.1583	15.0486
818	CG_DEAD	LinStatic	7.744	-2.537	119.714	0.1733	22.586	7.882
830	DEAD	LinStatic	6.445	-3.291	120.465	0.2392	17.1496	10.0085
830	W0_1	LinStatic	-0.146	-1.52	-10.951	0.3003	-1.3417	-3.6202
830	W0_2	LinStatic	-0.69	-2.621	-5.127	0.3645	-4.8623	-7.2868
830	W180_1	LinStatic	1.536	-2.15	-4.784	0.2998	8.633	10.2691
830	W180_2	LinStatic	1.058	-2.662	-1.564	0.3288	5.5334	6.8868
830	W90	LinStatic	-0.26	6.052	-11.786	-0.7538	-0.2919	-0.6064

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
830	W270	LinStatic	-0.024	-2.216	-4.516	0.4317	-0.5161	-1.0726
830	SNOW	LinStatic	-0.351	-0.875	5.081	0.0549	-2.278	-2.2858
830	L_G1	LinStatic	-0.281	-0.7	4.065	0.0439	-1.8223	-1.8286
830	P_+x	LinStatic	-0.468	-1.197	14.491	0.1077	-2.9669	-3.307
830	P_-x	LinStatic	-0.088	-0.423	5.02	0.0358	-0.6899	-0.771
830	P_+y	LinStatic	-0.161	-0.482	4.954	0.0537	-1.0503	-1.4681
830	P_-y	LinStatic	-0.258	-0.943	14.229	0.055	-1.7793	-1.6395
830	L_C	LinStatic	0.743	-1.795	12.565	0.1081	4.2095	3.6832
830	Imp_x	LinStatic	-0.184	-9.071E-03	6.370E-03	0.0014	-0.5785	-0.3545
830	Imp_y	LinStatic	0.011	-0.357	0.066	0.0323	0.049	-0.0023
830	TIERRAS	LinStatic	135.572	32.765	13.27	-2.5255	202.0875	99.4292
830	SDEAD	LinStatic	-0.091	0.611	1.884	-0.0189	-0.031	0.3145
830	TFCO_G1	LinStatic	0.106	-1.029	-0.327	0.075	0.3492	-0.0442
830	TFCO_G2	LinStatic	0.107	-0.993	-0.348	0.0724	0.3209	-0.0894
830	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
830	T°	LinStatic	0.	0.	0.	0.	0.	0.
830	L_E	LinStatic	6.22	0.346	6.901	-0.0588	22.8545	10.2519
830	CG	LinStatic	13.556	-13.776	144.979	1.567	42.6036	19.0422
830	CG_DEAD	LinStatic	6.445	-3.291	120.465	0.2392	17.1496	10.0085
837	DEAD	LinStatic	5.529	-3.593	121.267	0.2982	12.5601	10.7259
837	W0_1	LinStatic	0.112	0.146	-8.895	-0.1475	-6.3884	-2.8487
837	W0_2	LinStatic	-0.23	-1.258	-3.712	-0.036	-13.5622	-6.2335
837	W180_1	LinStatic	1.048	-1.37	-5.384	-0.0355	23.3915	10.0894
837	W180_2	LinStatic	0.756	-1.997	-2.27	0.0181	16.5358	6.9877
837	W90	LinStatic	-0.33	4.533	-11.457	-0.0864	-4.5943	-1.3843
837	W270	LinStatic	0.069	-0.582	-3.524	-0.165	-1.1743	-0.7893
837	SNOW	LinStatic	-0.225	-1.073	4.63	0.0839	-4.3397	-2.13
837	L_G1	LinStatic	-0.18	-0.858	3.704	0.0671	-3.4716	-1.704
837	P_+x	LinStatic	-0.3	-0.821	15.417	0.0702	-6.1605	-3.3711
837	P_-x	LinStatic	-0.045	-0.339	5.208	0.0274	-1.1979	-0.8111
837	P_+y	LinStatic	-0.088	-0.284	5.297	0.0146	-2.8804	-1.5097
837	P_-y	LinStatic	-0.168	-0.818	14.898	0.0939	-2.5756	-1.698
837	L_C	LinStatic	0.531	-2.215	11.363	0.1734	6.7325	3.6492
837	Imp_x	LinStatic	-0.161	3.805E-03	0.049	-1.399E-04	-0.6362	-0.3742
837	Imp_y	LinStatic	0.014	-0.32	0.084	0.0184	0.0655	0.0108
837	TIERRAS	LinStatic	125.81	35.652	8.804	-2.7023	166.4866	107.1458
837	SDEAD	LinStatic	-0.13	1.329	3.868	-0.0797	-0.0661	0.422
837	TFCO_G1	LinStatic	0.144	-1.21	-0.345	0.0916	0.5986	0.0415
837	TFCO_G2	LinStatic	0.146	-1.18	-0.362	0.0894	0.5827	0.0065
837	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
837	T°	LinStatic	0.	0.	0.	0.	0.	0.
837	L_E	LinStatic	5.417	-2.209E-03	5.56	1.987E-04	13.6164	10.7237
837	CG	LinStatic	12.075	-9.672	148.398	0.3096	29.9631	21.4
837	CG_DEAD	LinStatic	5.529	-3.593	121.267	0.2982	12.5601	10.7259
844	DEAD	LinStatic	4.363	-3.767	122.952	0.2668	9.104	10.7237
844	W0_1	LinStatic	0.405	-0.645	-6.199	0.227	0.9115	-2.8856
844	W0_2	LinStatic	0.293	-2.038	-1.678	0.3188	-0.3257	-6.5621
844	W180_1	LinStatic	0.448	-2.386	-6.189	0.288	1.2431	10.4841
844	W180_2	LinStatic	0.371	-2.972	-3.111	0.3298	0.219	7.0741
844	W90	LinStatic	-0.362	6.24	-11.344	-0.6886	1.0118	-1.1835
844	W270	LinStatic	0.166	-2.066	-2.445	0.3495	0.0448	-0.8276
844	SNOW	LinStatic	-0.084	-1.058	4.183	0.0711	-0.8282	-2.2849
844	L_G1	LinStatic	-0.067	-0.847	3.346	0.0569	-0.6625	-1.8279

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
844	P_+x	LinStatic	-0.117	-0.507	16.984	0.0582	-0.4512	-3.2696
844	P_-x	LinStatic	2.602E-03	-0.265	5.556	0.0238	-0.1282	-0.8042
844	P_+y	LinStatic	-2.803E-03	-0.258	5.848	0.0339	0.0678	-1.4776
844	P_-y	LinStatic	-0.08	-0.352	16.129	0.0211	-0.5517	-1.6343
844	L_C	LinStatic	0.295	-2.144	10.084	0.1331	1.4155	3.6434
844	Imp_x	LinStatic	-0.136	0.011	0.112	4.844E-04	-0.3015	-0.373
844	Imp_y	LinStatic	0.018	-0.348	0.114	0.0296	0.06	0.0273
844	TIERRAS	LinStatic	113.112	39.388	0.325	-3.0518	124.3134	108.1049
844	SDEAD	LinStatic	-0.195	1.909	6.708	-0.1073	-0.1348	0.5591
844	TFCO_G1	LinStatic	0.196	-1.388	-0.347	0.1024	0.5402	0.1622
844	TFCO_G2	LinStatic	0.198	-1.363	-0.363	0.1006	0.5327	0.1362
844	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
844	T°	LinStatic	0.	0.	0.	0.	0.	0.
844	L_E	LinStatic	4.491	-0.145	3.818	-0.031	14.4949	10.8338
844	CG	LinStatic	10.191	-12.361	154.588	1.4017	26.2273	21.8297
844	CG_DEAD	LinStatic	4.363	-3.767	122.952	0.2668	9.104	10.7237
851	DEAD	LinStatic	2.883	-5.341	125.476	0.4157	4.0906	10.1699
851	W0_1	LinStatic	0.555	0.797	-2.779	-0.1255	-2.0105	-1.0605
851	W0_2	LinStatic	0.524	-0.673	1.142	-0.0261	-5.4242	-3.9859
851	W180_1	LinStatic	0.378	-1.223	-6.764	0.0354	13.909	9.1207
851	W180_2	LinStatic	0.373	-1.861	-3.654	0.0742	10.6201	6.4344
851	W90	LinStatic	-0.517	4.469	-12.003	-0.2036	-5.2641	-2.3121
851	W270	LinStatic	0.246	-0.825	-1.231	-0.0497	0.2083	-0.1759
851	SNOW	LinStatic	-0.033	-1.108	3.802	0.0761	-2.06	-1.8333
851	L_G1	LinStatic	-0.026	-0.886	3.042	0.0609	-1.6479	-1.4666
851	P_+x	LinStatic	-0.093	-0.553	18.987	0.0377	-3.5591	-2.7928
851	P_-x	LinStatic	0.023	-0.323	5.975	0.0195	-0.6254	-0.7309
851	P_+y	LinStatic	0.012	-0.268	6.491	0.0105	-1.7268	-1.293
851	P_-y	LinStatic	-0.062	-0.507	17.777	0.0501	-1.3616	-1.4056
851	L_C	LinStatic	0.192	-2.188	8.971	0.1692	3.4669	3.0944
851	Imp_x	LinStatic	-0.118	0.02	0.196	-0.0014	-0.3403	-0.337
851	Imp_y	LinStatic	0.023	-0.309	0.172	0.0211	0.0705	0.0542
851	TIERRAS	LinStatic	96.367	42.626	-16.01	-3.5737	76.1824	96.839
851	SDEAD	LinStatic	-0.32	2.323	10.468	-0.1333	-0.251	0.7648
851	TFCO_G1	LinStatic	0.278	-1.489	-0.19	0.124	0.9146	0.542
851	TFCO_G2	LinStatic	0.281	-1.469	-0.205	0.1225	0.9161	0.5258
851	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
851	T°	LinStatic	0.	0.	0.	0.	0.	0.
851	L_E	LinStatic	3.601	-0.552	1.633	0.0406	4.7693	10.4649
851	CG	LinStatic	8.083	-10.154	163.824	0.5239	15.0325	23.6942
851	CG_DEAD	LinStatic	2.883	-5.341	125.476	0.4157	4.0906	10.1699
858	DEAD	LinStatic	0.627	-7.66	131.213	0.5784	-0.9588	7.4592
858	W0_1	LinStatic	0.451	0.249	1.388	0.0527	1.1327	-0.7483
858	W0_2	LinStatic	0.338	-1.169	5.019	0.2017	1.8622	-3.4414
858	W180_1	LinStatic	0.751	-1.055	-6.886	0.0108	-5.6572	8.0379
858	W180_2	LinStatic	0.666	-1.801	-3.605	0.1092	-4.896	5.5397
858	W90	LinStatic	-0.589	4.855	-14.335	-0.4367	3.5797	-1.9061
858	W270	LinStatic	0.258	-1.402	0.453	0.1907	-0.1307	-0.144
858	SNOW	LinStatic	-0.088	-1.09	3.655	0.1081	0.4108	-1.6676
858	L_G1	LinStatic	-0.07	-0.872	2.924	0.0865	0.3287	-1.334
858	P_+x	LinStatic	-0.266	-1.391	21.075	0.147	1.5251	-2.2898
858	P_-x	LinStatic	0.017	-0.668	6.225	0.06	0.3709	-0.6294
858	P_+y	LinStatic	-0.039	-0.665	7.021	0.0711	0.9895	-1.0894

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
858	P_y	LinStatic	-0.162	-1.192	19.44	0.1038	0.3895	-1.14
858	L_C	LinStatic	0.227	-2.037	8.211	0.1111	-1.0743	2.5109
858	Imp_x	LinStatic	-0.113	0.028	0.338	0.0026	-0.02	-0.2663
858	Imp_y	LinStatic	0.027	-0.285	0.314	0.0229	0.023	0.0717
858	TIERRAS	LinStatic	73.115	41.718	-58.297	-3.3585	26.8384	64.0673
858	SDEAD	LinStatic	-0.644	2.291	15.52	-0.1585	-0.6817	0.8876
858	TFCO_G1	LinStatic	0.373	-1.228	0.752	0.1141	0.3186	0.9323
858	TFCO_G2	LinStatic	0.375	-1.212	0.736	0.1129	0.3211	0.9254
858	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
858	Tº	LinStatic	0.	0.	0.	0.	0.	0.
858	L_E	LinStatic	2.989	-0.812	-1.228	-0.0564	4.1168	7.7374
858	CG	LinStatic	5.182	-15.837	177.645	1.2514	1.6603	18.2291
858	CG_DEAD	LinStatic	0.627	-7.66	131.213	0.5784	-0.9588	7.4592
865	DEAD	LinStatic	0.417	10.93	133.624	-0.9126	1.6389	2.8541
865	W0_1	LinStatic	-1.611	-0.257	-11.872	0.2361	7.3897	15.214
865	W0_2	LinStatic	-1.267	1.521	-4.887	-0.0066	5.8975	9.0016
865	W180_1	LinStatic	-0.252	0.765	2.772	-0.1255	0.2908	0.775
865	W180_2	LinStatic	0.081	2.277	8.801	-0.3448	-1.4215	-5.2516
865	W90	LinStatic	0.028	0.367	1.38	-0.0607	0.9407	-0.1499
865	W270	LinStatic	0.917	-3.511	-5.031	0.2879	-1.7061	-1.5297
865	SNOW	LinStatic	0.187	0.931	3.3	-0.1295	-0.6731	-3.3783
865	L_G1	LinStatic	0.149	0.745	2.64	-0.1036	-0.5385	-2.7026
865	P_+x	LinStatic	-3.573E-03	0.642	6.144	-0.0594	-0.3047	-0.6761
865	P_-x	LinStatic	0.334	1.374	21.652	-0.1577	-1.8996	-2.8995
865	P_+y	LinStatic	0.192	1.086	18.916	-0.0973	-0.2314	-1.2591
865	P_-y	LinStatic	0.046	0.709	7.581	-0.0773	-1.2398	-1.1696
865	L_C	LinStatic	9.148E-04	0.012	0.024	-0.0011	0.0034	0.0024
865	Imp_x	LinStatic	-0.099	0.025	-0.259	0.0013	-0.0567	0.1697
865	Imp_y	LinStatic	0.027	-0.208	-0.205	0.0151	0.0296	-0.0745
865	TIERRAS	LinStatic	-73.273	-41.782	-57.628	3.3707	-26.7309	64.3754
865	SDEAD	LinStatic	0.782	3.562	37.796	-0.3096	1.0291	0.6935
865	TFCO_G1	LinStatic	0.129	-0.456	1.818	0.0413	0.2438	0.426
865	TFCO_G2	LinStatic	-0.407	0.796	-3.691	-0.0548	-0.6371	-0.4125
865	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
865	Tº	LinStatic	0.	0.	0.	0.	0.	0.
865	L_E	LinStatic	0.645	0.462	5.135	-0.0384	1.7573	-0.1198
865	CG	LinStatic	-0.286	17.308	187.538	-1.487	10.4421	11.4134
865	CG_DEAD	LinStatic	0.417	10.93	133.624	-0.9126	1.6389	2.8541
872	DEAD	LinStatic	-1.794	8.738	129.204	-0.6376	0.5175	4.6525
872	W0_1	LinStatic	-1.034	0.145	-10.954	-0.0038	-22.717	17.473
872	W0_2	LinStatic	-0.873	1.734	-4.498	-0.0921	-14.9604	10.5447
872	W180_1	LinStatic	-0.299	0.03	0.254	0.0811	-1.2561	0.8018
872	W180_2	LinStatic	-0.151	1.362	5.696	0.0096	6.5772	-5.9047
872	W90	LinStatic	0.081	0.066	-0.244	0.0364	-1.1294	-0.6919
872	W270	LinStatic	0.854	-3.441	-4.462	0.1815	3.1029	-2.3239
872	SNOW	LinStatic	0.095	0.841	3.045	-0.046	4.0739	-3.772
872	L_G1	LinStatic	0.076	0.673	2.436	-0.0368	3.2591	-3.0176
872	P_+x	LinStatic	-4.419E-03	0.294	5.882	-0.0163	0.6287	-0.7892
872	P_-x	LinStatic	0.132	0.468	19.387	-0.0256	4.4936	-3.5468
872	P_+y	LinStatic	0.103	0.402	17.297	-0.0394	1.3083	-1.5827
872	P_-y	LinStatic	-0.02	0.279	6.972	-0.0093	2.0602	-1.3816
872	L_C	LinStatic	9.120E-04	0.012	0.023	-5.503E-04	-0.0011	0.0038
872	Imp_x	LinStatic	-0.106	0.011	-0.145	-6.029E-04	-0.2123	0.2138

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
872	Imp_y	LinStatic	0.023	-0.232	-0.094	0.0171	0.0669	-0.056
872	TIERRAS	LinStatic	-96.58	-42.619	-15.822	3.5662	-76.908	97.0511
872	SDEAD	LinStatic	0.381	3.233	33.868	-0.2647	0.4748	0.7084
872	TFCO_G1	LinStatic	0.044	-0.264	0.941	0.0084	-0.0456	0.3695
872	TFCO_G2	LinStatic	-0.227	0.455	-1.955	-0.0165	-0.3283	-0.3805
872	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
872	T°	LinStatic	0.	0.	0.	0.	0.	0.
872	L_E	LinStatic	0.636	0.699	4.342	-0.0672	-0.6894	-0.4175
872	CG	LinStatic	-2.273	11.629	171.944	-0.6292	-17.9912	13.0656
872	CG_DEAD	LinStatic	-1.794	8.738	129.204	-0.6376	0.5175	4.6525
879	DEAD	LinStatic	-2.996	6.474	128.753	-0.4677	-3.6811	4.7386
879	W0_1	LinStatic	-1.279	1.209	-9.978	-0.1573	-5.8442	19.9776
879	W0_2	LinStatic	-0.913	2.826	-3.582	-0.2895	-2.5547	11.2851
879	W180_1	LinStatic	-0.279	1.25	-1.737	-0.2475	-0.7611	0.1946
879	W180_2	LinStatic	0.062	2.611	3.55	-0.3607	2.1702	-8.2105
879	W90	LinStatic	0.232	0.736	-1.533	-0.1499	1.5687	-1.1137
879	W270	LinStatic	0.747	-4.516	-4.906	0.4501	1.0828	-0.9861
879	SNOW	LinStatic	0.211	0.863	3.042	-0.0707	1.9298	-4.74
879	L_G1	LinStatic	0.169	0.69	2.433	-0.0566	1.5437	-3.7919
879	P_+x	LinStatic	0.022	0.247	5.456	-0.0238	0.2503	-0.8656
879	P_-x	LinStatic	0.168	0.465	17.216	-0.0638	0.646	-4.1578
879	P_+y	LinStatic	0.134	0.273	15.679	-0.0191	0.8716	-1.8216
879	P_-y	LinStatic	-0.013	0.286	6.26	-0.0394	-0.2567	-1.5818
879	L_C	LinStatic	1.033E-03	0.015	0.026	-0.0016	0.0013	0.0053
879	Imp_x	LinStatic	-0.12	1.669E-03	-0.087	7.518E-04	-0.2387	0.2326
879	Imp_y	LinStatic	0.018	-0.253	-0.043	0.0197	0.0652	-0.0296
879	TIERRAS	LinStatic	-113.306	-39.203	0.082	3.0356	-124.5092	108.0306
879	SDEAD	LinStatic	0.232	2.765	32.177	-0.2153	0.3496	0.5485
879	TFCO_G1	LinStatic	0.022	-0.128	0.467	0.0063	-0.0226	0.2375
879	TFCO_G2	LinStatic	-0.154	0.266	-1.103	-0.0138	-0.3483	-0.2835
879	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
879	T°	LinStatic	0.	0.	0.	0.	0.	0.
879	L_E	LinStatic	0.659	0.567	4.292	-0.0311	2.6838	0.3117
879	CG	LinStatic	-3.244	13.306	162.537	-1.472	-1.8935	13.0358
879	CG_DEAD	LinStatic	-2.996	6.474	128.753	-0.4677	-3.6811	4.7386
886	DEAD	LinStatic	-3.75	5.17	128.501	-0.3878	-2.8111	4.921
886	W0_1	LinStatic	-2.403	0.37	-8.812	0.0652	-40.2583	19.4465
886	W0_2	LinStatic	-1.499	1.961	-2.293	-0.0492	-23.8004	11.2555
886	W180_1	LinStatic	-0.266	0.332	-3.245	0.0986	-0.8893	0.1305
886	W180_2	LinStatic	0.6	1.681	2.056	8.308E-04	15.3872	-7.7679
886	W90	LinStatic	0.362	0.141	-2.594	0.0737	-0.2052	-1.4342
886	W270	LinStatic	0.697	-3.464	-5.81	0.1282	1.5494	-1.5619
886	SNOW	LinStatic	0.504	0.845	3.131	-0.0603	8.8227	-4.4682
886	L_G1	LinStatic	0.403	0.676	2.505	-0.0482	7.0581	-3.5746
886	P_+x	LinStatic	0.073	0.313	5.102	-0.0241	1.2522	-0.8732
886	P_-x	LinStatic	0.401	0.748	15.494	-0.0579	7.8253	-4.2974
886	P_+y	LinStatic	0.234	0.709	14.463	-0.0795	2.6328	-1.9134
886	P_-y	LinStatic	0.077	0.299	5.651	-0.0132	3.3015	-1.6191
886	L_C	LinStatic	1.006E-03	8.599E-03	0.029	8.242E-05	-0.0042	0.0071
886	Imp_x	LinStatic	-0.136	-3.725E-03	-0.047	3.486E-04	-0.3956	0.2286
886	Imp_y	LinStatic	0.014	-0.249	-0.016	0.0164	0.0632	-0.012
886	TIERRAS	LinStatic	-125.955	-35.297	8.318	2.6711	-166.9351	106.986
886	SDEAD	LinStatic	0.155	2.511	31.117	-0.1975	0.2126	0.4457

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
886	TFCO_G1	LinStatic	0.014	-0.022	0.188	-0.0014	-0.0747	0.1574
886	TFCO_G2	LinStatic	-0.113	0.113	-0.589	-0.0029	-0.2447	-0.2419
886	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
886	Tº	LinStatic	0.	0.	0.	0.	0.	0.
886	L_E	LinStatic	0.596	0.56	4.381	-0.0516	-1.826	0.2991
886	CG	LinStatic	-4.372	9.675	156.054	-0.3571	-29.0234	12.1243
886	CG_DEAD	LinStatic	-3.75	5.17	128.501	-0.3878	-2.8111	4.921
893	DEAD	LinStatic	-4.299	4.099	128.415	-0.2994	-7.3846	4.2824
893	W0_1	LinStatic	-3.38	0.739	-8.095	-0.1291	-19.8802	19.8556
893	W0_2	LinStatic	-1.992	2.208	-1.294	-0.2405	-10.962	10.9902
893	W180_1	LinStatic	-0.238	1.493	-4.432	-0.2534	-0.8991	-0.1
893	W180_2	LinStatic	1.094	2.755	1.046	-0.3486	7.485	-8.6125
893	W90	LinStatic	0.515	0.931	-3.495	-0.1829	2.9358	-1.3122
893	W270	LinStatic	0.66	-3.895	-6.629	0.4242	2.7201	-0.5158
893	SNOW	LinStatic	0.77	0.782	3.298	-0.0591	4.9884	-4.853
893	L_G1	LinStatic	0.616	0.625	2.638	-0.0473	3.9906	-3.8824
893	P_+x	LinStatic	0.12	0.413	4.912	-0.0364	0.8609	-0.832
893	P_-x	LinStatic	0.615	1.226	14.459	-0.1192	3.858	-4.2512
893	P_+y	LinStatic	0.337	0.898	13.812	-0.0587	2.2614	-1.8519
893	P_-y	LinStatic	0.151	0.533	5.267	-0.0609	0.9534	-1.5763
893	L_C	LinStatic	9.256E-04	0.011	0.031	-0.0018	-0.0029	0.0098
893	Imp_x	LinStatic	-0.151	-0.012	-0.021	0.0014	-0.4017	0.2142
893	Imp_y	LinStatic	0.011	-0.263	-1.675E-03	0.0209	0.053	0.0011
893	TIERRAS	LinStatic	-135.664	-32.291	12.705	2.4897	-202.1316	99.1406
893	SDEAD	LinStatic	0.11	2.297	30.479	-0.1757	0.1654	0.3514
893	TFCO_G1	LinStatic	0.012	0.058	0.023	-0.0065	-0.0224	0.0923
893	TFCO_G2	LinStatic	-0.087	2.944E-03	-0.267	0.003	-0.2535	-0.1978
893	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
893	Tº	LinStatic	0.	0.	0.	0.	0.	0.
893	L_E	LinStatic	0.547	0.375	4.489	-0.017	2.5729	0.9842
893	CG	LinStatic	-5.099	12.568	151.783	-1.3828	-10.4928	12.2173
893	CG_DEAD	LinStatic	-4.299	4.099	128.415	-0.2994	-7.3846	4.2824
905	DEAD	LinStatic	-4.996	2.633	128.124	-0.1932	-9.6425	3.2159
905	W0_1	LinStatic	-5.329	0.215	-7.395	-0.0811	-32.1977	16.5642
905	W0_2	LinStatic	-3.046	1.178	-0.25	-0.1494	-18.0635	9.0556
905	W180_1	LinStatic	-0.193	1.534	-5.73	-0.2252	-0.8832	-0.0758
905	W180_2	LinStatic	2.	2.411	0.019	-0.2853	12.5177	-7.1872
905	W90	LinStatic	0.708	0.985	-4.907	-0.193	3.8794	-0.9554
905	W270	LinStatic	0.672	-2.419	-6.956	0.3204	3.4664	-0.2636
905	SNOW	LinStatic	1.259	0.528	3.52	-0.0374	7.8373	-4.1457
905	L_G1	LinStatic	1.007	0.423	2.816	-0.03	6.2698	-3.3166
905	P_+x	LinStatic	0.205	0.403	4.751	-0.0314	1.3466	-0.6605
905	P_-x	LinStatic	1.044	1.383	13.499	-0.115	6.5836	-3.5131
905	P_+y	LinStatic	0.522	0.97	13.34	-0.048	3.3801	-1.5313
905	P_-y	LinStatic	0.312	0.574	4.865	-0.0597	1.9784	-1.2566
905	L_C	LinStatic	2.171E-04	3.922E-03	0.022	-0.0016	-0.011	0.0152
905	Imp_x	LinStatic	-0.173	-0.019	4.878E-03	0.0017	-0.5201	0.1659
905	Imp_y	LinStatic	6.499E-03	-0.256	0.014	0.0207	0.0357	0.0114
905	TIERRAS	LinStatic	-148.943	-25.918	15.059	1.9706	-254.1262	75.862
905	SDEAD	LinStatic	0.059	1.935	29.96	-0.1454	0.0838	0.2194
905	TFCO_G1	LinStatic	7.943E-03	0.132	-0.107	-0.0107	-0.0038	0.0389
905	TFCO_G2	LinStatic	-0.052	-0.123	0.041	0.0105	-0.1765	-0.1505

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
905	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
905	T°	LinStatic	0.	0.	0.	0.	0.	0.
905	L_E	LinStatic	0.378	0.206	4.611	-0.0076	1.7835	1.26
905	CG	LinStatic	-6.462	10.604	147.513	-1.1077	-18.025	10.5216
905	CG_DEAD	LinStatic	-4.996	2.633	128.124	-0.1932	-9.6425	3.2159
912	DEAD	LinStatic	-5.208	2.177	127.9	-0.164	-6.2761	2.7417
912	W0_1	LinStatic	-6.229	-0.398	-7.352	0.0915	-69.4324	14.1105
912	W0_2	LinStatic	-3.546	0.405	-0.188	0.0307	-38.6888	7.7671
912	W180_1	LinStatic	-0.174	0.824	-6.088	0.0261	-0.5039	-0.0096
912	W180_2	LinStatic	2.4	1.597	-0.29	-0.0349	29.3335	-5.9947
912	W90	LinStatic	0.743	0.16	-5.546	0.0935	0.8181	-0.8352
912	W270	LinStatic	0.689	-0.907	-6.418	-0.0696	-0.2938	-0.2919
912	SNOW	LinStatic	1.478	0.451	3.559	-0.0338	16.6995	-3.5156
912	L_G1	LinStatic	1.182	0.361	2.847	-0.027	13.3596	-2.8126
912	P_+x	LinStatic	0.239	0.393	4.708	-0.029	2.2024	-0.5657
912	P_-x	LinStatic	1.236	1.358	13.278	-0.0966	13.3028	-3.0436
912	P_+y	LinStatic	0.596	1.168	13.279	-0.1144	4.7878	-1.3445
912	P_-y	LinStatic	0.388	0.473	4.744	-0.0216	5.2599	-1.0697
912	L_C	LinStatic	-4.748E-04	-7.735E-03	0.013	0.0018	-0.0259	0.0163
912	Imp_x	LinStatic	-0.182	-0.018	9.915E-03	0.0012	-0.6385	0.1405
912	Imp_y	LinStatic	5.083E-03	-0.234	0.02	0.0143	0.0284	0.0126
912	TIERRAS	LinStatic	-153.4	-22.799	14.546	1.6698	-272.4164	63.9133
912	SDEAD	LinStatic	0.044	1.755	29.92	-0.132	0.0546	0.1729
912	TFCO_G1	LinStatic	6.143E-03	0.14	-0.12	-0.0105	-0.0101	0.0289
912	TFCO_G2	LinStatic	-0.039	-0.149	0.099	0.0119	-0.1302	-0.1325
912	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
912	T°	LinStatic	0.	0.	0.	0.	0.	0.
912	L_E	LinStatic	0.27	0.189	4.631	-0.0193	-5.1829	1.1075
912	CG	LinStatic	-7.117	7.881	146.229	-0.3396	-47.9999	9.0725
912	CG_DEAD	LinStatic	-5.208	2.177	127.9	-0.164	-6.2761	2.7417
919	DEAD	LinStatic	-5.408	1.874	127.731	-0.1382	-10.9013	2.21
919	W0_1	LinStatic	-6.629	-0.156	-7.495	-0.0481	-41.2631	12.1816
919	W0_2	LinStatic	-3.766	0.545	-0.298	-0.0958	-23.1084	6.563
919	W180_1	LinStatic	-0.162	1.304	-6.402	-0.1849	-0.936	0.0747
919	W180_2	LinStatic	2.572	1.969	-0.53	-0.2273	16.2724	-5.1118
919	W90	LinStatic	0.802	0.924	-6.21	-0.1878	4.3157	-0.5409
919	W270	LinStatic	0.748	-1.631	-5.691	0.2651	3.6304	-0.1538
919	SNOW	LinStatic	1.58	0.4	3.608	-0.0273	10.0613	-3.1548
919	L_G1	LinStatic	1.264	0.32	2.886	-0.0218	8.049	-2.5239
919	P_+x	LinStatic	0.26	0.409	4.724	-0.0298	1.6706	-0.4707
919	P_-x	LinStatic	1.332	1.453	13.278	-0.1115	8.4805	-2.5519
919	P_+y	LinStatic	0.646	1.019	13.409	-0.0443	4.1494	-1.1684
919	P_-y	LinStatic	0.418	0.595	4.698	-0.0584	2.6606	-0.8342
919	L_C	LinStatic	-1.102E-03	1.398E-03	1.478E-03	-0.0016	-0.0233	0.0198
919	Imp_x	LinStatic	-0.187	-0.019	0.012	0.0016	-0.5973	0.1173
919	Imp_y	LinStatic	3.994E-03	-0.248	0.026	0.0201	0.0223	0.012
919	TIERRAS	LinStatic	-156.822	-20.176	13.511	1.5148	-286.6065	52.8794
919	SDEAD	LinStatic	0.033	1.567	29.956	-0.1162	0.0438	0.1339
919	TFCO_G1	LinStatic	4.854E-03	0.139	-0.118	-0.0106	0.0024	0.0195
919	TFCO_G2	LinStatic	-0.03	-0.159	0.123	0.0123	-0.1139	-0.111
919	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
919	T°	LinStatic	0.	0.	0.	0.	0.	0.

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
919	L_E	LinStatic	0.243	0.116	4.638	-0.004	0.9128	1.161
919	CG	LinStatic	-7.365	8.823	145.46	-0.8937	-24.0784	8.2235
919	CG_DEAD	LinStatic	-5.408	1.874	127.731	-0.1382	-10.9013	2.21
926	DEAD	LinStatic	-5.515	1.679	127.682	-0.1272	-7.0696	1.8393
926	W0_1	LinStatic	-7.309	-0.635	-7.801	0.1027	-77.6469	9.8199
926	W0_2	LinStatic	-4.143	0.037	-0.494	0.0483	-42.8956	5.298
926	W180_1	LinStatic	-0.156	0.661	-6.709	0.0261	-0.6973	0.1134
926	W180_2	LinStatic	2.857	1.313	-0.697	-0.029	32.6825	-4.0311
926	W90	LinStatic	0.812	0.214	-6.859	0.0935	0.737	-0.4758
926	W270	LinStatic	0.775	-0.649	-5.015	-0.0861	-0.3226	-0.1209
926	SNOW	LinStatic	1.749	0.383	3.695	-0.0304	18.9953	-2.5572
926	L_G1	LinStatic	1.399	0.307	2.956	-0.0243	15.1963	-2.0459
926	P_+x	LinStatic	0.285	0.42	4.817	-0.0322	2.4575	-0.3847
926	P_-x	LinStatic	1.474	1.455	13.531	-0.1072	14.791	-2.0947
926	P_+y	LinStatic	0.704	1.237	13.759	-0.1235	5.4577	-0.9935
926	P_-y	LinStatic	0.47	0.518	4.745	-0.0259	5.6773	-0.6548
926	L_C	LinStatic	-2.083E-03	-6.829E-03	-9.337E-03	0.0019	-0.0475	0.0185
926	Imp_x	LinStatic	-0.193	-0.018	0.012	0.0012	-0.7005	0.0964
926	Imp_y	LinStatic	3.180E-03	-0.228	0.031	0.0137	0.0187	0.0113
926	TIERRAS	LinStatic	-159.444	-17.465	12.217	1.2748	-297.6812	43.1424
926	SDEAD	LinStatic	0.025	1.385	30.034	-0.1029	0.029	0.1043
926	TFCO_G1	LinStatic	3.672E-03	0.129	-0.107	-0.0095	-0.0022	0.0154
926	TFCO_G2	LinStatic	-0.023	-0.157	0.126	0.0119	-0.0836	-0.0943
926	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
926	Tº	LinStatic	0.	0.	0.	0.	0.	0.
926	L_E	LinStatic	0.155	0.114	4.639	-0.0118	-6.347	0.9725
926	CG	LinStatic	-7.845	6.739	145.283	-0.3007	-54.2282	6.749
926	CG_DEAD	LinStatic	-5.515	1.679	127.682	-0.1272	-7.0696	1.8393
933	DEAD	LinStatic	-5.636	1.484	127.736	-0.1077	-11.6744	1.4273
933	W0_1	LinStatic	-7.51	-0.183	-8.132	-0.0405	-46.7527	8.2197
933	W0_2	LinStatic	-4.257	0.344	-0.683	-0.0742	-26.0793	4.3216
933	W180_1	LinStatic	-0.157	1.167	-6.948	-0.1589	-1.0943	0.2301
933	W180_2	LinStatic	2.924	1.654	-0.777	-0.1869	18.3966	-3.2169
933	W90	LinStatic	0.86	1.247	-7.355	-0.2076	4.5488	-0.2033
933	W270	LinStatic	0.845	-1.77	-4.55	0.2703	3.7379	-0.0271
933	SNOW	LinStatic	1.802	0.305	3.795	-0.0198	11.4986	-2.251
933	L_G1	LinStatic	1.442	0.244	3.036	-0.0159	9.199	-1.8009
933	P_+x	LinStatic	0.298	0.362	4.941	-0.0253	1.8692	-0.3132
933	P_-x	LinStatic	1.529	1.306	13.898	-0.0959	9.6211	-1.7114
933	P_+y	LinStatic	0.741	0.833	14.182	-0.0273	4.683	-0.8732
933	P_-y	LinStatic	0.481	0.57	4.844	-0.0547	2.9959	-0.4595
933	L_C	LinStatic	-2.742E-03	7.594E-03	-0.018	-0.0021	-0.0377	0.0222
933	Imp_x	LinStatic	-0.196	-0.017	0.012	0.0014	-0.6449	0.0796
933	Imp_y	LinStatic	2.545E-03	-0.245	0.034	0.0199	0.0135	0.0096
933	TIERRAS	LinStatic	-161.445	-15.131	10.86	1.126	-306.1897	34.7663
933	SDEAD	LinStatic	0.019	1.206	30.131	-0.0888	0.0235	0.0801
933	TFCO_G1	LinStatic	2.845E-03	0.118	-0.094	-0.0088	0.0032	0.011
933	TFCO_G2	LinStatic	-0.018	-0.149	0.119	0.0111	-0.0705	-0.0772
933	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
933	Tº	LinStatic	0.	0.	0.	0.	0.	0.
933	L_E	LinStatic	0.154	0.076	4.638	-0.0029	0.2342	0.9057
933	CG	LinStatic	-7.932	7.403	145.572	-0.7336	-28.0529	6.071
933	CG_DEAD	LinStatic	-5.636	1.484	127.736	-0.1077	-11.6744	1.4273

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
945	DEAD	LinStatic	-5.77	1.117	127.941	-0.077	-12.0879	0.8534
945	W0_1	LinStatic	-7.97	0.113	-8.398	-0.0494	-50.278	5.2705
945	W0_2	LinStatic	-4.496	0.317	-0.892	-0.0571	-27.9475	2.6573
945	W180_1	LinStatic	-0.178	1.235	-6.934	-0.1476	-1.2629	0.3207
945	W180_2	LinStatic	3.084	1.404	-0.682	-0.1507	19.6411	-1.85
945	W90	LinStatic	0.874	1.939	-7.352	-0.252	4.5428	0.0592
945	W270	LinStatic	0.868	-2.202	-4.457	0.2866	3.7774	0.1857
945	SNOW	LinStatic	1.936	0.133	3.864	-0.0062	12.4782	-1.5697
945	L_G1	LinStatic	1.549	0.106	3.091	-0.005	9.9827	-1.2558
945	P_+x	LinStatic	0.318	0.167	5.04	-0.0092	1.9862	-0.196
945	P_-x	LinStatic	1.636	0.712	14.238	-0.0465	10.3268	-1.0913
945	P_+y	LinStatic	0.805	0.183	14.496	0.0244	5.0454	-0.6457
945	P_-y	LinStatic	0.502	0.401	4.956	-0.0397	3.1584	-0.1947
945	L_C	LinStatic	-4.487E-03	0.018	-0.021	-0.0028	-0.0493	0.0217
945	Imp_x	LinStatic	-0.202	-0.014	8.458E-03	0.0011	-0.6756	0.0534
945	Imp_y	LinStatic	1.598E-03	-0.247	0.028	0.02	0.0082	0.0069
945	TIERRAS	LinStatic	-164.12	-10.885	8.361	0.8054	-317.7631	21.8847
945	SDEAD	LinStatic	0.011	0.883	30.326	-0.0648	0.0129	0.0471
945	TFCO_G1	LinStatic	1.637E-03	0.091	-0.067	-0.0067	0.0025	0.0067
945	TFCO_G2	LinStatic	-0.01	-0.121	0.092	0.0089	-0.0428	-0.0513
945	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
945	T°	LinStatic	0.	0.	0.	0.	0.	0.
945	L_E	LinStatic	0.098	0.057	4.638	-0.0025	-0.2251	0.6399
945	CG	LinStatic	-8.299	5.594	146.436	-0.5299	-30.8945	4.4612
945	CG_DEAD	LinStatic	-5.77	1.117	127.941	-0.077	-12.0879	0.8534
952	DEAD	LinStatic	-5.79	1.035	128.066	-0.079	-7.7079	0.6632
952	W0_1	LinStatic	-8.264	-0.052	-8.289	0.0312	-85.0339	4.3079
952	W0_2	LinStatic	-4.634	0.127	-0.878	0.0128	-46.1022	2.2608
952	W180_1	LinStatic	-0.203	0.858	-6.68	-0.0178	-1.8647	0.155
952	W180_2	LinStatic	3.19	1.007	-0.515	-0.0361	34.657	-1.5488
952	W90	LinStatic	0.839	1.426	-6.85	2.596E-04	0.0015	0.0409
952	W270	LinStatic	0.813	-1.596	-4.851	-0.0019	-0.9571	0.0802
952	SNOW	LinStatic	2.029	0.114	3.83	-0.0105	21.6252	-1.2285
952	L_G1	LinStatic	1.624	0.091	3.064	-0.0084	17.3003	-0.9828
952	P_+x	LinStatic	0.327	0.14	5.004	-0.0117	2.721	-0.1476
952	P_-x	LinStatic	1.695	0.594	14.177	-0.045	16.1801	-0.8785
952	P_+y	LinStatic	0.835	0.264	14.353	-0.052	6.4896	-0.4938
952	P_-y	LinStatic	0.514	0.292	4.958	-0.0099	5.643	-0.1796
952	L_C	LinStatic	-5.845E-03	0.012	-0.016	5.242E-04	-0.1137	0.0118
952	Imp_x	LinStatic	-0.204	-0.012	6.544E-03	7.461E-04	-0.7687	0.0426
952	Imp_y	LinStatic	1.219E-03	-0.231	0.019	0.0139	0.0081	0.0054
952	TIERRAS	LinStatic	-164.99	-9.031	7.318	0.6579	-321.5878	17.0931
952	SDEAD	LinStatic	8.153E-03	0.742	30.411	-0.0545	0.0089	0.0359
952	TFCO_G1	LinStatic	1.221E-03	0.079	-0.056	-0.0057	6.129E-04	0.0056
952	TFCO_G2	LinStatic	-7.686E-03	-0.106	0.078	0.0078	-0.0316	-0.0416
952	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
952	T°	LinStatic	0.	0.	0.	0.	0.	0.
952	L_E	LinStatic	0.038	0.061	4.64	-0.006	-7.5643	0.5054
952	CG	LinStatic	-8.616	4.282	146.949	-0.2251	-62.0266	3.5485
952	CG_DEAD	LinStatic	-5.79	1.035	128.066	-0.079	-7.7079	0.6632
959	DEAD	LinStatic	-5.849	0.919	128.259	-0.0646	-12.2822	0.4812
959	W0_1	LinStatic	-8.137	0.09	-8.192	-0.0207	-52.6459	3.1042
959	W0_2	LinStatic	-4.551	0.242	-0.837	-0.0283	-29.2212	1.4642

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
959	W180_1	LinStatic	-0.222	1.015	-6.423	-0.109	-1.3422	0.3425
959	W180_2	LinStatic	3.113	1.109	-0.321	-0.11	20.4531	-0.8873
959	W90	LinStatic	0.858	2.144	-6.244	-0.2588	4.427	0.1832
959	W270	LinStatic	0.813	-2.484	-5.457	0.2961	3.7685	0.3465
959	SNOW	LinStatic	2.013	0.101	3.815	-0.0062	13.1411	-1.0449
959	L_G1	LinStatic	1.61	0.081	3.052	-0.0049	10.5129	-0.8359
959	P_+x	LinStatic	0.327	0.133	4.991	-0.0089	2.049	-0.1148
959	P_-x	LinStatic	1.682	0.568	14.182	-0.0417	10.773	-0.6468
959	P_+y	LinStatic	0.849	0.035	14.257	0.0283	5.2693	-0.4788
959	P_-y	LinStatic	0.494	0.369	4.993	-0.0391	3.2527	-0.0159
959	L_C	LinStatic	-6.257E-03	0.024	-8.380E-03	-0.0031	-0.0539	0.0198
959	Imp_x	LinStatic	-0.205	-0.01	4.641E-03	8.591E-04	-0.6958	0.0352
959	Imp_y	LinStatic	8.865E-04	-0.247	9.029E-03	0.0199	0.0053	0.0047
959	TIERRAS	LinStatic	-165.641	-7.413	6.435	0.5467	-324.4883	13.1786
959	SDEAD	LinStatic	6.205E-03	0.612	30.484	-0.0448	0.0074	0.027
959	TFCO_G1	LinStatic	9.303E-04	0.068	-0.046	-0.005	0.0016	0.0043
959	TFCO_G2	LinStatic	-5.820E-03	-0.092	0.066	0.0067	-0.0258	-0.033
959	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
959	Tº	LinStatic	0.	0.	0.	0.	0.	0.
959	L_E	LinStatic	0.065	0.046	4.642	-0.0021	-0.5152	0.4196
959	CG	LinStatic	-8.551	4.311	147.654	-0.3682	-32.9269	3.1727
959	CG_DEAD	LinStatic	-5.849	0.919	128.259	-0.0646	-12.2822	0.4812
966	DEAD	LinStatic	-5.839	0.813	128.505	-0.06	-7.7536	0.3938
966	W0_1	LinStatic	-8.403	0.011	-8.123	0.0016	-86.1043	2.3558
966	W0_2	LinStatic	-4.67	0.199	-0.744	-0.0146	-46.1228	1.2071
966	W180_1	LinStatic	-0.255	0.656	-6.208	-0.022	-2.6601	0.1462
966	W180_2	LinStatic	3.202	0.798	-0.105	-0.0374	34.3986	-0.6961
966	W90	LinStatic	0.827	1.321	-5.704	0.0053	-0.4763	0.1066
966	W270	LinStatic	0.752	-1.645	-6.153	0.0079	-1.8208	0.1637
966	SNOW	LinStatic	2.103	0.112	3.839	-0.0086	22.4069	-0.7395
966	L_G1	LinStatic	1.682	0.09	3.071	-0.0069	17.9256	-0.5916
966	P_+x	LinStatic	0.336	0.144	5.027	-0.0107	2.7851	-0.0777
966	P_-x	LinStatic	1.736	0.552	14.324	-0.0381	16.4325	-0.4799
966	P_+y	LinStatic	0.881	0.263	14.3	-0.0479	6.9275	-0.3441
966	P_-y	LinStatic	0.501	0.277	5.076	-0.0076	5.3789	-0.0244
966	L_C	LinStatic	-7.538E-03	0.014	-1.640E-04	3.591E-04	-0.1526	0.0097
966	Imp_x	LinStatic	-0.207	-7.947E-03	2.945E-03	4.826E-04	-0.7891	0.0268
966	Imp_y	LinStatic	6.195E-04	-0.227	-7.989E-04	0.0135	0.0046	0.0035
966	TIERRAS	LinStatic	-166.123	-5.913	5.71	0.4308	-326.6606	9.9826
966	SDEAD	LinStatic	4.746E-03	0.496	30.545	-0.0364	0.0052	0.0202
966	TFCO_G1	LinStatic	6.898E-04	0.058	-0.038	-0.0042	4.640E-04	0.0036
966	TFCO_G2	LinStatic	-4.382E-03	-0.079	0.055	0.0058	-0.0192	-0.0263
966	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
966	Tº	LinStatic	0.	0.	0.	0.	0.	0.
966	L_E	LinStatic	0.013	0.05	4.645	-0.0049	-7.8381	0.3211
966	CG	LinStatic	-8.826	3.566	148.68	-0.2367	-64.5991	2.3424
966	CG_DEAD	LinStatic	-5.839	0.813	128.505	-0.06	-7.7536	0.3938
973	DEAD	LinStatic	-5.875	0.621	128.74	-0.0469	-12.439	0.2332
973	W0_1	LinStatic	-8.271	-0.04	-8.112	0.0138	-53.6394	1.6521
973	W0_2	LinStatic	-4.586	0.117	-0.654	0.0024	-29.7592	0.6977
973	W180_1	LinStatic	-0.274	0.622	-6.086	-0.0628	-1.402	0.3119
973	W180_2	LinStatic	3.122	0.722	0.069	-0.0669	20.6815	-0.2693
973	W90	LinStatic	0.854	1.777	-5.34	-0.2324	4.3951	0.2672

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1 KN	F2 KN	F3 KN	M1 KN-m	M2 KN-m	M3 KN-m
973	W270	LinStatic	0.758	-2.116	-6.735	0.268	3.7748	0.4638
973	SNOW	LinStatic	2.083	0.096	3.888	-0.0078	13.4548	-0.6678
973	L_G1	LinStatic	1.666	0.077	3.11	-0.0063	10.7639	-0.5343
973	P_+x	LinStatic	0.335	0.123	5.092	-0.0102	2.0762	-0.0599
973	P_-x	LinStatic	1.722	0.477	14.54	-0.0411	10.9707	-0.3414
973	P_+y	LinStatic	0.894	0.033	14.442	0.0231	5.4219	-0.3513
973	P_-y	LinStatic	0.481	0.318	5.176	-0.0378	3.2436	0.0925
973	L_C	LinStatic	-7.624E-03	0.022	6.950E-03	-0.003	-0.0557	0.0192
973	Imp_x	LinStatic	-0.208	-6.690E-03	1.641E-03	5.913E-04	-0.7081	0.0221
973	Imp_y	LinStatic	3.966E-04	-0.239	-8.255E-03	0.0195	0.0035	0.0031
973	TIERRAS	LinStatic	-166.474	-4.576	5.136	0.3369	-328.2681	7.3536
973	SDEAD	LinStatic	3.681E-03	0.39	30.594	-0.0285	0.0045	0.0148
973	TFCO_G1	LinStatic	5.194E-04	0.049	-0.032	-0.0036	8.578E-04	0.0029
973	TFCO_G2	LinStatic	-3.309E-03	-0.068	0.046	0.0049	-0.0156	-0.0206
973	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
973	T°	LinStatic	0.	0.	0.	0.	0.	0.
973	L_E	LinStatic	0.047	0.04	4.648	-0.0019	-0.6881	0.2523
973	CG	LinStatic	-8.718	2.813	149.676	-0.2036	-33.9649	2.3
973	CG_DEAD	LinStatic	-5.875	0.621	128.74	-0.0469	-12.439	0.2332
985	DEAD	LinStatic	-5.888	0.113	128.791	-0.0099	-12.463	0.0464
985	W0_1	LinStatic	-8.306	0.047	-7.856	0.0154	-54.1896	0.82
985	W0_2	LinStatic	-4.577	0.024	-0.399	0.02	-29.9782	0.323
985	W180_1	LinStatic	-0.314	0.348	-5.917	-0.0385	-1.542	0.2007
985	W180_2	LinStatic	3.1	0.318	0.242	-0.0303	20.6809	0.0362
985	W90	LinStatic	0.836	1.326	-5.239	-0.2073	4.2115	0.3741
985	W270	LinStatic	0.703	-1.295	-6.881	0.2089	3.5037	0.5443
985	SNOW	LinStatic	2.119	-6.042E-03	3.89	0.001	13.714	-0.4053
985	L_G1	LinStatic	1.695	-4.816E-03	3.112	8.125E-04	10.9713	-0.3243
985	P_+x	LinStatic	0.339	-0.013	5.086	0.0015	2.089	-0.0179
985	P_-x	LinStatic	1.735	0.02	14.536	-0.003	11.072	-0.1387
985	P_+y	LinStatic	0.918	-0.294	14.437	0.0527	5.5574	-0.2312
985	P_-y	LinStatic	0.467	0.12	5.168	-0.022	3.1731	0.1353
985	L_C	LinStatic	-8.099E-03	0.017	0.014	-0.0026	-0.0636	0.0201
985	Imp_x	LinStatic	-0.209	-2.900E-03	8.228E-04	3.221E-04	-0.7158	0.0124
985	Imp_y	LinStatic	1.641E-04	-0.229	-0.01	0.0189	0.002	0.0021
985	TIERRAS	LinStatic	-166.886	-2.174	4.4	0.16	-330.1785	3.2709
985	SDEAD	LinStatic	2.381E-03	0.204	30.66	-0.0149	0.0031	0.0069
985	TFCO_G1	LinStatic	2.780E-04	0.036	-0.022	-0.0026	3.353E-04	0.0021
985	TFCO_G2	LinStatic	-1.878E-03	-0.049	0.032	0.0036	-0.0095	-0.0126
985	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
985	T°	LinStatic	0.	0.	0.	0.	0.	0.
985	L_E	LinStatic	0.037	0.037	4.655	-0.0018	-0.7812	0.1261
985	CG	LinStatic	-8.838	0.762	150.527	-0.0159	-35.0159	1.8331
985	CG_DEAD	LinStatic	-5.888	0.113	128.791	-0.0099	-12.463	0.0464
992	DEAD	LinStatic	-5.866	-0.067	128.62	0.0064	-7.6452	-0.0198
992	W0_1	LinStatic	-8.478	0.168	-7.638	-0.0303	-86.6802	0.5668
992	W0_2	LinStatic	-4.651	0.146	-0.251	-0.0315	-45.6821	0.2768
992	W180_1	LinStatic	-0.337	0.113	-5.885	0.0033	-3.7503	0.0704
992	W180_2	LinStatic	3.156	0.115	0.234	-0.0025	33.5096	0.0514
992	W90	LinStatic	0.786	0.374	-5.485	0.0783	-1.4151	0.3536
992	W270	LinStatic	0.636	-0.262	-6.476	-0.0903	-3.4594	0.4665
992	SNOW	LinStatic	2.179	-0.016	3.85	6.764E-04	23.3083	-0.2661
992	L_G1	LinStatic	1.743	-0.013	3.08	5.387E-04	18.6468	-0.2129

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
992	P_+x	LinStatic	0.342	-0.026	5.024	0.0016	2.8375	0.0014
992	P_-x	LinStatic	1.763	-0.067	14.345	0.0069	16.5716	-0.0701
992	P_+y	LinStatic	0.932	-0.107	14.31	-0.0217	7.4974	-0.1563
992	P_-y	LinStatic	0.471	-0.012	5.072	0.0138	4.8789	0.1142
992	L_C	LinStatic	-8.879E-03	5.459E-03	0.015	9.821E-04	-0.2175	0.0165
992	Imp_x	LinStatic	-0.209	-4.731E-04	1.255E-03	-6.907E-05	-0.8105	0.0082
992	Imp_y	LinStatic	1.342E-04	-0.207	-6.009E-03	0.0119	0.0017	0.0022
992	TIERRAS	LinStatic	-166.979	-1.066	4.223	0.0776	-330.6134	1.5853
992	SDEAD	LinStatic	2.046E-03	0.119	30.678	-0.0088	0.0027	0.0038
992	TFCO_G1	LinStatic	1.939E-04	0.03	-0.019	-0.0022	-7.991E-05	0.0018
992	TFCO_G2	LinStatic	-1.416E-03	-0.042	0.026	0.003	-0.0072	-0.0098
992	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
992	T°	LinStatic	0.	0.	0.	0.	0.	0.
992	L_E	LinStatic	-7.795E-03	0.043	4.659	-0.0041	-8.0639	0.0714
992	CG	LinStatic	-9.084	0.408	150.393	-0.0683	-68.3104	1.4768
992	CG_DEAD	LinStatic	-5.866	-0.067	128.62	0.0064	-7.6452	-0.0198
999	DEAD	LinStatic	-5.895	-0.116	128.443	0.0069	-12.3926	-0.0693
999	W0_1	LinStatic	-8.273	-0.077	-7.465	0.0235	-54.5908	0.1594
999	W0_2	LinStatic	-4.544	-0.083	-0.092	0.0287	-30.1368	0.1264
999	W180_1	LinStatic	-0.335	0.014	-5.933	-0.0145	-1.6358	-0.0176
999	W180_2	LinStatic	3.06	5.302E-03	0.198	-0.0063	20.6406	0.2243
999	W90	LinStatic	0.804	1.025	-5.901	-0.1885	3.9157	0.4039
999	W270	LinStatic	0.654	-0.986	-5.97	0.1873	3.0968	0.4754
999	SNOW	LinStatic	2.127	-2.041E-03	3.837	0.0016	13.9221	-0.129
999	L_G1	LinStatic	1.702	-1.617E-03	3.07	0.0013	11.1378	-0.1033
999	P_+x	LinStatic	0.338	-1.883E-03	4.998	0.0012	2.0872	0.022
999	P_-x	LinStatic	1.727	1.040E-03	14.248	1.055E-05	11.1178	0.0323
999	P_+y	LinStatic	0.923	-0.236	14.302	0.0504	5.652	-0.1062
999	P_-y	LinStatic	0.454	0.096	5.	-0.0199	3.0934	0.1455
999	L_C	LinStatic	-7.860E-03	0.014	0.014	-0.0024	-0.0752	0.0212
999	Imp_x	LinStatic	-0.209	2.001E-04	2.027E-03	9.667E-05	-0.7202	0.0048
999	Imp_y	LinStatic	1.110E-04	-0.224	2.093E-04	0.0185	5.900E-04	0.0019
999	TIERRAS	LinStatic	-167.01	0.01	4.165	-6.406E-04	-330.7599	-0.0024
999	SDEAD	LinStatic	1.882E-03	0.037	30.686	-0.0027	0.0027	0.001
999	TFCO_G1	LinStatic	1.304E-04	0.026	-0.016	-0.0019	-5.039E-05	0.0016
999	TFCO_G2	LinStatic	-1.076E-03	-0.035	0.022	0.0026	-0.0059	-0.0075
999	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
999	T°	LinStatic	0.	0.	0.	0.	0.	0.
999	L_E	LinStatic	0.033	0.038	4.663	-0.0019	-0.8164	0.0234
999	CG	LinStatic	-8.935	-0.31	150.341	0.0662	-36.1219	1.3117
999	CG_DEAD	LinStatic	-5.895	-0.116	128.443	0.0069	-12.3926	-0.0693
1006	DEAD	LinStatic	-5.858	-0.14	128.343	0.0097	-7.5583	-0.0933
1006	W0_1	LinStatic	-8.489	-0.111	-7.432	-0.0068	-86.8818	-0.3113
1006	W0_2	LinStatic	-4.653	-0.047	0.03	-0.0172	-45.8144	-0.0573
1006	W180_1	LinStatic	-0.349	-0.241	-6.091	0.0304	-3.7657	-0.1217
1006	W180_2	LinStatic	3.134	-0.172	0.138	0.0172	33.2676	0.3378
1006	W90	LinStatic	0.761	0.311	-6.392	0.0852	-1.871	0.3342
1006	W270	LinStatic	0.601	-0.325	-5.54	-0.0835	-3.993	0.3479
1006	SNOW	LinStatic	2.192	0.027	3.877	-0.004	23.4683	0.0555
1006	L_G1	LinStatic	1.753	0.022	3.101	-0.0032	18.7749	0.0444
1006	P_+x	LinStatic	0.342	0.035	5.04	-0.0043	2.8213	0.0417
1006	P_-x	LinStatic	1.761	0.07	14.345	-0.0073	16.5385	0.1272
1006	P_+y	LinStatic	0.938	0.056	14.49	-0.0377	7.5917	-0.0343

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
1006	P_y	LinStatic	0.461	0.04	4.997	0.0085	4.7294	0.1411
1006	L_C	LinStatic	-8.785E-03	5.348E-03	0.014	9.958E-04	-0.2453	0.0173
1006	Imp_x	LinStatic	-0.209	2.172E-03	2.927E-03	-2.572E-04	-0.8148	6.840E-04
1006	Imp_y	LinStatic	9.569E-05	-0.207	6.192E-03	0.012	0.0014	0.0023
1006	TIERRAS	LinStatic	-166.979	1.089	4.225	-0.0795	-330.6116	-1.5901
1006	SDEAD	LinStatic	1.874E-03	-0.043	30.686	0.0031	0.0029	-0.0017
1006	TFCO_G1	LinStatic	7.520E-05	0.022	-0.013	-0.0016	-3.359E-04	0.0015
1006	TFCO_G2	LinStatic	-8.245E-04	-0.03	0.019	0.0022	-0.0046	-0.0057
1006	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
1006	Tº	LinStatic	0.	0.	0.	0.	0.	0.
1006	L_E	LinStatic	-8.960E-03	0.046	4.667	-0.0042	-8.0766	-0.0248
1006	CG	LinStatic	-9.176	-0.446	150.486	-0.013	-69.7892	0.7599
1006	CG_DEAD	LinStatic	-5.858	-0.14	128.343	0.0097	-7.5583	-0.0933
1013	DEAD	LinStatic	-5.874	-0.175	128.316	0.0134	-12.3779	-0.1742
1013	W0_1	LinStatic	-8.325	-0.306	-7.493	0.038	-54.3539	-0.5017
1013	W0_2	LinStatic	-4.581	-0.332	0.096	0.0459	-30.1078	-0.0516
1013	W180_1	LinStatic	-0.335	-0.227	-6.284	0.0039	-1.5309	-0.2711
1013	W180_2	LinStatic	3.059	-0.267	0.068	0.0153	20.4052	0.3901
1013	W90	LinStatic	0.789	1.33	-6.786	-0.2099	3.7449	0.4259
1013	W270	LinStatic	0.634	-1.29	-5.282	0.2063	2.9133	0.3677
1013	SNOW	LinStatic	2.143	-0.011	3.938	0.0029	13.8638	0.1618
1013	L_G1	LinStatic	1.714	-8.606E-03	3.15	0.0023	11.0912	0.1294
1013	P_+x	LinStatic	0.338	9.038E-04	5.114	0.0015	2.0607	0.0645
1013	P_-x	LinStatic	1.731	-0.019	14.537	0.0031	11.0336	0.2026
1013	P_+y	LinStatic	0.931	-0.279	14.75	0.0546	5.6693	0.0244
1013	P_-y	LinStatic	0.449	0.113	5.037	-0.0204	3.0025	0.1495
1013	L_C	LinStatic	-7.883E-03	0.016	0.015	-0.0026	-0.0858	0.0242
1013	Imp_x	LinStatic	-0.209	2.576E-03	3.799E-03	-8.680E-05	-0.7209	-0.0017
1013	Imp_y	LinStatic	5.037E-05	-0.229	0.01	0.0188	-9.204E-04	0.0023
1013	TIERRAS	LinStatic	-166.886	2.196	4.405	-0.1613	-330.1757	-3.2763
1013	SDEAD	LinStatic	2.021E-03	-0.124	30.677	0.0092	0.0033	-0.0045
1013	TFCO_G1	LinStatic	2.935E-05	0.019	-0.011	-0.0014	-3.798E-04	0.0014
1013	TFCO_G2	LinStatic	-6.453E-04	-0.026	0.016	0.0019	-0.0039	-0.0042
1013	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
1013	Tº	LinStatic	0.	0.	0.	0.	0.	0.
1013	L_E	LinStatic	0.035	0.043	4.672	-0.0023	-0.802	-0.0744
1013	CG	LinStatic	-9.014	-1.404	150.698	0.1496	-36.5651	0.7378
1013	CG_DEAD	LinStatic	-5.874	-0.175	128.316	0.0134	-12.3779	-0.1742
1025	DEAD	LinStatic	-5.85	-0.333	128.314	0.029	-12.284	-0.3298
1025	W0_1	LinStatic	-8.315	-0.429	-7.718	0.0515	-53.9779	-1.3517
1025	W0_2	LinStatic	-4.611	-0.707	-0.111	0.0796	-30.0469	-0.3993
1025	W180_1	LinStatic	-0.295	-0.315	-6.519	0.0179	-1.3398	-0.4604
1025	W180_2	LinStatic	3.044	-0.592	-0.152	0.0476	20.1746	0.6309
1025	W90	LinStatic	0.758	2.143	-6.642	-0.269	3.4787	0.4938
1025	W270	LinStatic	0.606	-1.745	-5.373	0.2314	2.7217	0.3097
1025	SNOW	LinStatic	2.126	-0.139	3.944	0.0132	13.7321	0.4674
1025	L_G1	LinStatic	1.701	-0.111	3.155	0.0106	10.9859	0.374
1025	P_+x	LinStatic	0.331	-0.152	5.122	0.0142	2.0203	0.1105
1025	P_-x	LinStatic	1.713	-0.477	14.539	0.0414	10.8993	0.4015
1025	P_+y	LinStatic	0.92	-0.809	14.765	0.0968	5.6278	0.1657
1025	P_-y	LinStatic	0.442	-6.655E-04	5.04	-0.0098	2.9255	0.1666
1025	L_C	LinStatic	-9.521E-03	0.02	0.022	-0.003	-0.0996	0.0276
1025	Imp_x	LinStatic	-0.209	4.975E-03	5.127E-03	-2.823E-04	-0.7196	-0.0097

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
1025	Imp_y	LinStatic	-2.083E-04	-0.239	6.993E-03	0.0195	-0.0024	0.0033
1025	TIERRAS	LinStatic	-166.474	4.601	5.146	-0.3383	-328.2618	-7.3605
1025	SDEAD	LinStatic	2.844E-03	-0.298	30.632	0.022	0.0048	-0.0112
1025	TFCO_G1	LinStatic	-5.768E-05	0.014	-7.751E-03	-0.001	-7.389E-04	0.0014
1025	TFCO_G2	LinStatic	-4.403E-04	-0.019	0.011	0.0014	-0.0029	-0.002
1025	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
1025	T°	LinStatic	0.	0.	0.	0.	0.	0.
1025	L_E	LinStatic	0.041	0.053	4.686	-0.0031	-0.7347	-0.1856
1025	CG	LinStatic	-9.1	-3.481	149.918	0.3377	-36.9031	0.0471
1025	CG_DEAD	LinStatic	-5.85	-0.333	128.314	0.029	-12.284	-0.3298
1032	DEAD	LinStatic	-5.809	-0.352	128.332	0.0241	-7.354	-0.4431
1032	W0_1	LinStatic	-8.466	-0.358	-7.861	-0.0057	-87.1634	-2.1568
1032	W0_2	LinStatic	-4.716	-0.647	-0.376	0.0105	-46.9974	-0.9886
1032	W180_1	LinStatic	-0.263	-0.421	-6.542	0.0255	-2.4258	-0.2842
1032	W180_2	LinStatic	3.104	-0.699	-0.296	0.0389	33.2165	0.9329
1032	W90	LinStatic	0.693	1.679	-6.075	-0.0113	-2.9169	0.4299
1032	W270	LinStatic	0.541	-1.278	-5.738	-0.0097	-4.6936	0.2319
1032	SNOW	LinStatic	2.157	-0.15	3.883	0.0093	23.1637	0.6204
1032	L_G1	LinStatic	1.725	-0.12	3.107	0.0075	18.5312	0.4964
1032	P_+x	LinStatic	0.327	-0.167	5.046	0.0106	2.6577	0.1146
1032	P_-x	LinStatic	1.723	-0.549	14.323	0.0375	16.2463	0.5194
1032	P_+y	LinStatic	0.916	-0.697	14.486	0.0182	7.4364	0.2184
1032	P_-y	LinStatic	0.447	-0.088	4.995	0.0173	4.5608	0.1911
1032	L_C	LinStatic	-0.012	9.371E-03	0.029	0.0011	-0.3278	0.0173
1032	Imp_x	LinStatic	-0.209	6.934E-03	5.593E-03	-5.795E-04	-0.8219	-0.0174
1032	Imp_y	LinStatic	-4.445E-04	-0.228	-8.436E-04	0.0136	-0.0023	0.0037
1032	TIERRAS	LinStatic	-166.122	5.943	5.723	-0.4336	-326.649	-9.99
1032	SDEAD	LinStatic	3.591E-03	-0.394	30.596	0.0287	0.0065	-0.0155
1032	TFCO_G1	LinStatic	-1.048E-04	0.012	-6.453E-03	-8.955E-04	-9.977E-04	0.0015
1032	TFCO_G2	LinStatic	-3.978E-04	-0.016	9.310E-03	0.0012	-0.0026	-0.0011
1032	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
1032	T°	LinStatic	0.	0.	0.	0.	0.	0.
1032	L_E	LinStatic	4.701E-03	0.065	4.694	-0.0053	-7.9208	-0.2467
1032	CG	LinStatic	-9.356	-3.653	148.9	0.1611	-72.5183	-0.8434
1032	CG_DEAD	LinStatic	-5.809	-0.352	128.332	0.0241	-7.354	-0.4431
1039	DEAD	LinStatic	-5.816	-0.419	128.425	0.0335	-12.0924	-0.531
1039	W0_1	LinStatic	-8.211	-0.661	-8.114	0.0907	-53.125	-2.8625
1039	W0_2	LinStatic	-4.614	-0.972	-0.714	0.1168	-29.6662	-1.1812
1039	W180_1	LinStatic	-0.217	-0.615	-6.612	0.0605	-1.18	-0.5566
1039	W180_2	LinStatic	3.003	-0.938	-0.464	0.0893	19.8063	1.1525
1039	W90	LinStatic	0.705	2.521	-5.396	-0.2985	3.1368	0.4829
1039	W270	LinStatic	0.566	-2.104	-6.284	0.2573	2.5396	0.1807
1039	SNOW	LinStatic	2.072	-0.159	3.842	0.0124	13.4902	0.9083
1039	L_G1	LinStatic	1.657	-0.127	3.073	0.0099	10.7923	0.7266
1039	P_+x	LinStatic	0.316	-0.17	4.994	0.0133	1.9693	0.1638
1039	P_-x	LinStatic	1.666	-0.568	14.178	0.0422	10.681	0.6979
1039	P_+y	LinStatic	0.889	-0.916	14.258	0.0977	5.5285	0.3308
1039	P_-y	LinStatic	0.431	-5.901E-03	4.987	-0.0111	2.843	0.224
1039	L_C	LinStatic	-0.013	0.021	0.037	-0.0035	-0.1124	0.0259
1039	Imp_x	LinStatic	-0.208	8.241E-03	6.076E-03	-5.419E-04	-0.7143	-0.0232
1039	Imp_y	LinStatic	-7.395E-04	-0.248	-0.011	0.02	-0.0043	0.005
1039	TIERRAS	LinStatic	-165.64	7.443	6.452	-0.5481	-324.4772	-13.1879
1039	SDEAD	LinStatic	4.622E-03	-0.5	30.549	0.0368	0.0078	-0.0211

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
1039	TFCO_G1	LinStatic	-1.584E-04	0.011	-5.328E-03	-7.846E-04	-0.0012	0.0016
1039	TFCO_G2	LinStatic	-3.901E-04	-0.014	7.808E-03	0.001	-0.0026	-3.325E-04
1039	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
1039	Tº	LinStatic	0.	0.	0.	0.	0.	0.
1039	L_E	LinStatic	0.055	0.069	4.705	-0.0046	-0.5984	-0.3274
1039	CG	LinStatic	-9.172	-4.918	147.842	0.4961	-36.7797	-1.2919
1039	CG_DEAD	LinStatic	-5.816	-0.419	128.425	0.0335	-12.0924	-0.531
1046	DEAD	LinStatic	-5.753	-0.51	128.586	0.0383	-7.1975	-0.6639
1046	W0_1	LinStatic	-8.358	-0.303	-8.399	-0.0334	-86.5034	-4.1834
1046	W0_2	LinStatic	-4.722	-0.591	-1.006	-0.0139	-47.4399	-2.0888
1046	W180_1	LinStatic	-0.179	-0.601	-6.715	0.018	-1.294	-0.3229
1046	W180_2	LinStatic	3.062	-0.892	-0.605	0.0355	33.0679	1.6808
1046	W90	LinStatic	0.644	1.65	-4.808	-0.0023	-3.5459	0.3394
1046	W270	LinStatic	0.512	-1.367	-6.893	-0.006	-4.8826	0.0629
1046	SNOW	LinStatic	2.097	-0.16	3.838	0.0118	22.6208	1.1749
1046	L_G1	LinStatic	1.678	-0.128	3.07	0.0095	18.0968	0.94
1046	P_+x	LinStatic	0.311	-0.164	4.991	0.0117	2.5138	0.1771
1046	P_-x	LinStatic	1.674	-0.59	14.172	0.0439	15.9119	0.9061
1046	P_+y	LinStatic	0.884	-0.701	14.17	0.0223	7.2035	0.4113
1046	P_-y	LinStatic	0.435	-0.096	5.026	0.019	4.4797	0.2826
1046	L_C	LinStatic	-0.016	1.893E-03	0.043	0.0021	-0.3807	0.0112
1046	Imp_x	LinStatic	-0.208	0.011	6.736E-03	-8.446E-04	-0.821	-0.0354
1046	Imp_y	LinStatic	-1.087E-03	-0.231	-0.021	0.0138	-0.0064	0.0056
1046	TIERRAS	LinStatic	-164.988	9.07	7.339	-0.6618	-321.5673	-17.1026
1046	SDEAD	LinStatic	6.045E-03	-0.615	30.491	0.0449	0.0111	-0.0277
1046	TFCO_G1	LinStatic	-2.232E-04	9.412E-03	-4.348E-03	-6.907E-04	-0.0016	0.0018
1046	TFCO_G2	LinStatic	-4.138E-04	-0.012	6.498E-03	8.728E-04	-0.0027	3.772E-04
1046	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
1046	Tº	LinStatic	0.	0.	0.	0.	0.	0.
1046	L_E	LinStatic	0.024	0.081	4.719	-0.0061	-7.7116	-0.4041
1046	CG	LinStatic	-9.386	-4.241	147.119	0.141	-73.158	-2.6168
1046	CG_DEAD	LinStatic	-5.753	-0.51	128.586	0.0383	-7.1975	-0.6639
1053	DEAD	LinStatic	-5.734	-0.703	128.756	0.0509	-11.8974	-0.8487
1053	W0_1	LinStatic	-8.07	-0.578	-8.65	0.1118	-50.8484	-5.1275
1053	W0_2	LinStatic	-4.599	-0.915	-1.213	0.1358	-28.5266	-2.4539
1053	W180_1	LinStatic	-0.139	-0.908	-6.845	0.1055	-0.9604	-0.545
1053	W180_2	LinStatic	2.949	-1.254	-0.731	0.1321	18.9332	2.0033
1053	W90	LinStatic	0.662	2.277	-4.426	-0.2924	2.9329	0.4224
1053	W270	LinStatic	0.55	-1.873	-7.396	0.2485	2.6161	0.0586
1053	SNOW	LinStatic	2.005	-0.188	3.856	0.0123	12.8495	1.5031
1053	L_G1	LinStatic	1.604	-0.151	3.085	0.0098	10.2797	1.2025
1053	P_+x	LinStatic	0.299	-0.197	5.014	0.0132	1.8865	0.2334
1053	P_-x	LinStatic	1.613	-0.712	14.232	0.0474	10.225	1.1293
1053	P_+y	LinStatic	0.856	-0.967	14.176	0.0964	5.3289	0.5456
1053	P_-y	LinStatic	0.417	-0.072	5.08	-0.0084	2.7019	0.3305
1053	L_C	LinStatic	-0.016	0.011	0.046	-0.0033	-0.12	0.0186
1053	Imp_x	LinStatic	-0.206	0.013	7.745E-03	-9.029E-04	-0.6997	-0.0452
1053	Imp_y	LinStatic	-1.488E-03	-0.248	-0.029	0.0203	-0.0073	0.0071
1053	TIERRAS	LinStatic	-164.118	10.921	8.386	-0.8067	-317.745	-21.8966
1053	SDEAD	LinStatic	7.940E-03	-0.745	30.423	0.055	0.0132	-0.0366
1053	TFCO_G1	LinStatic	-3.036E-04	8.351E-03	-3.497E-03	-6.134E-04	-0.002	0.0021
1053	TFCO_G2	LinStatic	-4.717E-04	-0.01	5.329E-03	7.652E-04	-0.0031	0.001

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
1053	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
1053	T°	LinStatic	0.	0.	0.	0.	0.	0.
1053	L_E	LinStatic	0.08	0.09	4.735	-0.0066	-0.3626	-0.5134
1053	CG	LinStatic	-9.128	-5.99	146.635	0.6432	-35.2415	-3.2437
1053	CG_DEAD	LinStatic	-5.734	-0.703	128.756	0.0509	-11.8974	-0.8487
1065	DEAD	LinStatic	-5.605	-1.313	128.776	0.0963	-11.4983	-1.3611
1065	W0_1	LinStatic	-7.62	-0.071	-8.401	0.0886	-47.4	-8.2172
1065	W0_2	LinStatic	-4.379	-0.673	-1.049	0.1347	-26.776	-4.2656
1065	W180_1	LinStatic	-0.088	-0.988	-6.787	0.1273	-0.6431	-0.384
1065	W180_2	LinStatic	2.78	-1.553	-0.808	0.1718	17.6579	3.239
1065	W90	LinStatic	0.592	1.893	-4.515	-0.2801	2.6621	0.2991
1065	W270	LinStatic	0.534	-1.142	-7.376	0.201	2.6394	0.0289
1065	SNOW	LinStatic	1.873	-0.351	3.774	0.0253	11.8823	2.2633
1065	L_G1	LinStatic	1.499	-0.281	3.02	0.0202	9.506	1.8107
1065	P_+x	LinStatic	0.275	-0.378	4.909	0.0284	1.7523	0.3276
1065	P_-x	LinStatic	1.502	-1.305	13.89	0.0975	9.5132	1.7319
1065	P_+y	LinStatic	0.796	-1.414	13.874	0.1357	4.99	0.8389
1065	P_-y	LinStatic	0.387	-0.318	4.964	0.0116	2.502	0.4934
1065	L_C	LinStatic	-0.018	-8.212E-03	0.031	-0.0022	-0.1306	0.0037
1065	Imp_x	LinStatic	-0.201	0.018	0.011	-0.0013	-0.6727	-0.0782
1065	Imp_y	LinStatic	-2.450E-03	-0.246	-0.034	0.0202	-0.0127	0.0098
1065	TIERRAS	LinStatic	-161.442	15.174	10.898	-1.1267	-306.1618	-34.7797
1065	SDEAD	LinStatic	0.014	-1.045	30.261	0.0776	0.0228	-0.0615
1065	TFCO_G1	LinStatic	-5.347E-04	6.722E-03	-2.174E-03	-4.950E-04	-0.0032	0.0027
1065	TFCO_G2	LinStatic	-7.013E-04	-8.341E-03	3.205E-03	6.099E-04	-0.0043	0.0023
1065	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
1065	T°	LinStatic	0.	0.	0.	0.	0.	0.
1065	L_E	LinStatic	0.123	0.107	4.774	-0.009	0.0184	-0.7441
1065	CG	LinStatic	-8.848	-7.513	146.058	0.8269	-32.8304	-5.746
1065	CG_DEAD	LinStatic	-5.605	-1.313	128.776	0.0963	-11.4983	-1.3611
1072	DEAD	LinStatic	-5.487	-1.609	128.65	0.1211	-6.528	-1.7454
1072	W0_1	LinStatic	-7.421	0.669	-7.95	-0.1325	-79.5205	-9.9012
1072	W0_2	LinStatic	-4.271	-7.084E-03	-0.718	-0.0846	-44.7775	-5.3447
1072	W180_1	LinStatic	-0.071	-0.668	-6.594	-0.0078	0.571	-0.1477
1072	W180_2	LinStatic	2.708	-1.284	-0.751	0.034	30.6752	3.9551
1072	W90	LinStatic	0.506	0.783	-4.971	0.0767	-4.7494	0.1008
1072	W270	LinStatic	0.48	-0.085	-6.862	-0.1041	-4.6687	0.1069
1072	SNOW	LinStatic	1.821	-0.411	3.678	0.0303	20.2103	2.6224
1072	L_G1	LinStatic	1.457	-0.329	2.942	0.0243	16.1684	2.0979
1072	P_+x	LinStatic	0.261	-0.415	4.79	0.0297	2.1456	0.3789
1072	P_-x	LinStatic	1.445	-1.44	13.524	0.1039	14.425	2.0979
1072	P_+y	LinStatic	0.759	-1.288	13.592	0.0641	6.3993	1.0096
1072	P_-y	LinStatic	0.373	-0.465	4.808	0.0452	4.1035	0.6001
1072	L_C	LinStatic	-0.021	-0.036	0.014	0.0052	-0.4598	-0.0132
1072	Imp_x	LinStatic	-0.198	0.02	0.012	-0.0015	-0.7748	-0.1
1072	Imp_y	LinStatic	-3.081E-03	-0.228	-0.031	0.0134	-0.0179	0.0114
1072	TIERRAS	LinStatic	-159.44	17.53	12.262	-1.2829	-297.6234	-43.1507
1072	SDEAD	LinStatic	0.019	-1.215	30.173	0.089	0.0341	-0.0785
1072	TFCO_G1	LinStatic	-6.993E-04	6.087E-03	-1.737E-03	-4.522E-04	-0.004	0.003
1072	TFCO_G2	LinStatic	-8.857E-04	-7.656E-03	2.134E-03	5.556E-04	-0.0052	0.0029
1072	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
1072	T°	LinStatic	0.	0.	0.	0.	0.	0.

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
1072	L_E	LinStatic	0.114	0.096	4.793	-0.0054	-6.768	-0.8278
1072	CG	LinStatic	-8.805	-6.16	146.002	0.1758	-68.9419	-7.1083
1072	CG_DEAD	LinStatic	-5.487	-1.609	128.65	0.1211	-6.528	-1.7454
1079	DEAD	LinStatic	-5.39	-1.862	128.547	0.1359	-10.7664	-2.0745
1079	W0_1	LinStatic	-6.728	0.041	-7.47	0.0857	-41.9302	-12.3682
1079	W0_2	LinStatic	-3.883	-0.701	-0.315	0.1434	-23.8447	-6.7159
1079	W180_1	LinStatic	-0.073	-1.219	-6.361	0.1606	-0.4129	-0.0709
1079	W180_2	LinStatic	2.436	-1.901	-0.623	0.2146	15.5805	4.9739
1079	W90	LinStatic	0.508	1.777	-5.644	-0.2775	2.4914	-0.0395
1079	W270	LinStatic	0.512	-0.796	-6.197	0.1788	2.5785	-0.0134
1079	SNOW	LinStatic	1.643	-0.441	3.598	0.0326	10.423	3.2666
1079	L_G1	LinStatic	1.314	-0.353	2.879	0.0261	8.3386	2.6132
1079	P_+x	LinStatic	0.238	-0.416	4.706	0.0327	1.5518	0.4519
1079	P_-x	LinStatic	1.305	-1.454	13.269	0.1145	8.3824	2.551
1079	P_+y	LinStatic	0.694	-1.477	13.44	0.1445	4.4492	1.2255
1079	P_-y	LinStatic	0.332	-0.394	4.677	0.0192	2.1895	0.7274
1079	L_C	LinStatic	-0.019	-0.024	-8.528E-03	-9.568E-04	-0.1348	-0.0251
1079	Imp_x	LinStatic	-0.192	0.021	0.013	-0.0017	-0.6237	-0.1245
1079	Imp_y	LinStatic	-3.888E-03	-0.249	-0.026	0.0204	-0.0216	0.0121
1079	TIERRAS	LinStatic	-156.817	20.221	13.561	-1.5139	-286.566	-52.8889
1079	SDEAD	LinStatic	0.025	-1.412	30.088	0.1055	0.0397	-0.1016
1079	TFCO_G1	LinStatic	-9.127E-04	5.501E-03	-1.506E-03	-4.085E-04	-0.0051	0.0032
1079	TFCO_G2	LinStatic	-1.133E-03	-7.205E-03	9.722E-04	5.250E-04	-0.0066	0.0033
1079	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
1079	Tº	LinStatic	0.	0.	0.	0.	0.	0.
1079	L_E	LinStatic	0.193	0.095	4.805	-0.0104	0.5975	-0.9865
1079	CG	LinStatic	-8.232	-8.772	146.424	0.9737	-28.8453	-9.0977
1079	CG_DEAD	LinStatic	-5.39	-1.862	128.547	0.1359	-10.7664	-2.0745
1086	DEAD	LinStatic	-5.198	-2.203	128.519	0.1633	-5.8449	-2.5927
1086	W0_1	LinStatic	-6.32	0.487	-7.139	-0.1231	-71.1835	-14.3571
1086	W0_2	LinStatic	-3.656	-0.31	0.021	-0.0691	-40.4993	-8.0054
1086	W180_1	LinStatic	-0.077	-0.868	-6.127	-0.0066	0.9409	0.1499
1086	W180_2	LinStatic	2.267	-1.582	-0.428	0.0402	27.3827	5.7619
1086	W90	LinStatic	0.456	1.038	-6.383	0.0608	-4.7671	-0.1786
1086	W270	LinStatic	0.466	-0.031	-5.531	-0.1038	-4.2535	0.0929
1086	SNOW	LinStatic	1.537	-0.476	3.56	0.0335	17.854	3.6748
1086	L_G1	LinStatic	1.23	-0.381	2.848	0.0268	14.2834	2.9398
1086	P_+x	LinStatic	0.218	-0.383	4.699	0.0258	1.8891	0.5259
1086	P_-x	LinStatic	1.208	-1.337	13.268	0.0912	12.9364	3.0259
1086	P_+y	LinStatic	0.639	-1.181	13.526	0.0532	5.7022	1.4526
1086	P_-y	LinStatic	0.305	-0.436	4.628	0.0407	3.6999	0.8701
1086	L_C	LinStatic	-0.02	-0.044	-0.032	0.0055	-0.4675	-0.0472
1086	Imp_x	LinStatic	-0.186	0.021	0.012	-0.0015	-0.7104	-0.1524
1086	Imp_y	LinStatic	-4.963E-03	-0.234	-0.019	0.0141	-0.0278	0.0126
1086	TIERRAS	LinStatic	-153.393	22.876	14.601	-1.6811	-272.3231	-63.9085
1086	SDEAD	LinStatic	0.033	-1.615	30.018	0.1187	0.0606	-0.1285
1086	TFCO_G1	LinStatic	-1.182E-03	4.979E-03	-1.556E-03	-3.772E-04	-0.0062	0.0034
1086	TFCO_G2	LinStatic	-1.452E-03	-6.894E-03	-3.453E-04	4.963E-04	-0.008	0.0035
1086	RETRACCION	LinStatic	0.	0.	0.	0.	0.	0.
1086	Tº	LinStatic	0.	0.	0.	0.	0.	0.
1086	L_E	LinStatic	0.204	0.035	4.798	7.503E-04	-5.8596	-1.007
1086	CG	LinStatic	-7.971	-7.291	147.381	0.2125	-62.4701	-10.6341
1086	CG_DEAD	LinStatic	-5.198	-2.203	128.519	0.1633	-5.8449	-2.5927

8. Structure results

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Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
1093	DEAD	LinStatic	-5.	-2.691	128.511	0.1956	-9.5903	-3.0233
1093	W0_1	LinStatic	-5.399	-0.332	-7.01	0.1155	-32.7788	-16.951
1093	W0_2	LinStatic	-3.135	-1.345	0.159	0.1941	-18.7074	-9.4331
1093	W180_1	LinStatic	-0.105	-1.448	-5.833	0.2034	-0.4272	0.288
1093	W180_2	LinStatic	1.89	-2.343	-0.164	0.2738	12.0232	6.8938
1093	W90	LinStatic	0.497	2.536	-6.963	-0.3325	2.6823	-0.4023
1093	W270	LinStatic	0.494	-0.873	-4.912	0.1836	2.6515	0.0154
1093	SNOW	LinStatic	1.303	-0.57	3.535	0.043	8.0967	4.3576
1093	L_G1	LinStatic	1.042	-0.456	2.828	0.0344	6.4775	3.4861
1093	P_+x	LinStatic	0.187	-0.412	4.75	0.0348	1.2552	0.6061
1093	P_-x	LinStatic	1.019	-1.391	13.486	0.1206	6.5276	3.496
1093	P_+y	LinStatic	0.552	-1.467	13.784	0.1497	3.6006	1.6865
1093	P_-y	LinStatic	0.25	-0.368	4.655	0.0216	1.6627	1.0027
1093	L_C	LinStatic	-0.017	-0.027	-0.053	-3.940E-04	-0.1164	-0.0659
1093	Imp_x	LinStatic	-0.176	0.02	6.589E-03	-0.0018	-0.5382	-0.181
1093	Imp_y	LinStatic	-6.358E-03	-0.257	-0.013	0.0209	-0.0349	0.0113
1093	TIERRAS	LinStatic	-148.935	25.95	15.111	-1.9663	-254.0748	-75.854
1093	SDEAD	LinStatic	0.045	-1.858	29.978	0.14	0.0701	-0.1657
1093	TFCO_G1	LinStatic	-1.531E-03	4.447E-03	-1.990E-03	-3.374E-04	-0.008	0.0033
1093	TFCO_G2	LinStatic	-1.869E-03	-6.714E-03	-1.874E-03	4.881E-04	-0.0102	0.0034
1093	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
1093	T°	LinStatic	0.	0.	0.	0.	0.	0.
1093	L_E	LinStatic	0.303	-3.567E-03	4.756	-0.0072	1.3939	-1.142
1093	CG	LinStatic	-7.159	-10.734	148.701	1.1956	-21.7264	-12.6716
1093	CG_DEAD	LinStatic	-5.	-2.691	128.511	0.1956	-9.5903	-3.0233
1105	DEAD	LinStatic	-4.332	-4.318	128.163	0.3134	-7.4114	-4.0748
1105	W0_1	LinStatic	-3.403	-0.911	-7.492	0.1606	-20.3619	-20.3973
1105	W0_2	LinStatic	-2.031	-2.463	-0.658	0.2832	-11.462	-11.5457
1105	W180_1	LinStatic	-0.185	-1.348	-4.544	0.2334	-0.6163	0.4965
1105	W180_2	LinStatic	1.034	-2.677	0.788	0.3389	7.3027	8.2146
1105	W90	LinStatic	0.599	3.904	-6.892	-0.4311	2.6155	-0.4564
1105	W270	LinStatic	0.426	-0.893	-3.675	0.1768	2.428	0.1274
1105	SNOW	LinStatic	0.785	-0.821	3.347	0.0646	5.0976	5.131
1105	L_G1	LinStatic	0.628	-0.657	2.678	0.0516	4.0783	4.1049
1105	P_+x	LinStatic	0.112	-0.431	4.915	0.0405	0.8222	0.75
1105	P_-x	LinStatic	0.597	-1.248	14.436	0.1279	3.8712	4.231
1105	P_+y	LinStatic	0.342	-1.506	14.517	0.1628	2.3465	2.0826
1105	P_-y	LinStatic	0.129	-0.312	4.888	0.0249	0.9033	1.2202
1105	L_C	LinStatic	-0.011	-0.02	-0.08	-4.944E-04	-0.0841	-0.1176
1105	Imp_x	LinStatic	-0.152	0.011	-0.024	-0.0014	-0.4062	-0.2342
1105	Imp_y	LinStatic	-0.011	-0.264	3.007E-03	0.0211	-0.0519	0.001
1105	TIERRAS	LinStatic	-135.652	32.282	12.725	-2.4817	-202.087	-99.0913
1105	SDEAD	LinStatic	0.089	-2.424	30.081	0.184	0.1289	-0.2701
1105	TFCO_G1	LinStatic	-2.540E-03	3.521E-03	-4.546E-03	-2.846E-04	-0.0118	0.0017
1105	TFCO_G2	LinStatic	-3.076E-03	-6.111E-03	-5.551E-03	4.426E-04	-0.0148	0.0012
1105	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
1105	T°	LinStatic	0.	0.	0.	0.	0.	0.
1105	L_E	LinStatic	0.45	-0.274	4.44	0.0069	2.2897	-1.0329
1105	CG	LinStatic	-5.488	-13.318	152.152	1.5022	-12.2589	-15.3714
1105	CG_DEAD	LinStatic	-4.332	-4.318	128.163	0.3134	-7.4114	-4.0748
1112	DEAD	LinStatic	-3.797	-5.504	127.737	0.4017	-2.8217	-4.7895
1112	W0_1	LinStatic	-2.399	-0.467	-8.169	-0.0708	-40.9322	-19.8151
1112	W0_2	LinStatic	-1.509	-2.122	-1.639	0.0439	-24.6125	-11.6806

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
1112	W180_1	LinStatic	-0.234	-0.197	-3.276	-0.1013	0.1018	0.2457
1112	W180_2	LinStatic	0.565	-1.607	1.773	-0.005	14.0449	7.3487
1112	W90	LinStatic	0.682	3.365	-6.334	-0.1199	-1.4952	0.5976
1112	W270	LinStatic	0.329	-0.171	-2.961	-0.072	-3.2513	0.3751
1112	SNOW	LinStatic	0.506	-0.864	3.208	0.0599	9.4999	4.7108
1112	L_G1	LinStatic	0.405	-0.691	2.566	0.0479	7.6001	3.7688
1112	P_+x	LinStatic	0.069	-0.314	5.1	0.0214	1.0377	0.7844
1112	P_-x	LinStatic	0.388	-0.718	15.461	0.0474	7.5168	4.2581
1112	P_+y	LinStatic	0.229	-0.976	15.229	0.0487	3.2093	2.1372
1112	P_-y	LinStatic	0.07	-0.198	5.186	0.0202	2.2004	1.243
1112	L_C	LinStatic	-9.165E-03	-0.022	-0.08	0.0037	-0.3799	-0.1412
1112	Imp_x	LinStatic	-0.137	3.274E-04	-0.055	-1.117E-04	-0.4424	-0.2487
1112	Imp_y	LinStatic	-0.014	-0.25	0.017	0.0164	-0.0626	-0.0121
1112	TIERRAS	LinStatic	-125.938	35.319	8.286	-2.6809	-166.7673	-106.8939
1112	SDEAD	LinStatic	0.13	-2.766	30.297	0.2071	0.2041	-0.3472
1112	TFCO_G1	LinStatic	-3.260E-03	3.183E-03	-6.999E-03	-2.599E-04	-0.0126	8.129E-06
1112	TFCO_G2	LinStatic	-3.929E-03	-5.407E-03	-7.500E-03	3.991E-04	-0.0159	-0.0012
1112	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
1112	Tº	LinStatic	0.	0.	0.	0.	0.	0.
1112	L_E	LinStatic	0.491	-0.564	4.093	0.0488	-3.1127	-0.6317
1112	CG	LinStatic	-4.621	-10.359	155.329	0.3268	-38.9948	-15.3575
1112	CG_DEAD	LinStatic	-3.797	-5.504	127.737	0.4017	-2.8217	-4.7895
1119	DEAD	LinStatic	-3.052	-7.007	127.263	0.5032	-3.7093	-4.5661
1119	W0_1	LinStatic	-1.26	-1.413	-9.32	0.1809	-6.329	-20.5493
1119	W0_2	LinStatic	-0.903	-3.126	-2.944	0.3235	-2.9709	-11.8894
1119	W180_1	LinStatic	-0.269	-1.057	-1.648	0.2308	-0.6838	0.2611
1119	W180_2	LinStatic	0.069	-2.527	3.235	0.3536	2.3781	7.7797
1119	W90	LinStatic	0.799	4.399	-5.783	-0.4485	1.7724	8.848E-04
1119	W270	LinStatic	0.271	-0.8	-2.174	0.1492	1.7994	-0.0484
1119	SNOW	LinStatic	0.198	-0.891	3.158	0.0752	1.8907	5.0188
1119	L_G1	LinStatic	0.158	-0.713	2.526	0.0602	1.5127	4.0152
1119	P_+x	LinStatic	0.024	-0.27	5.444	0.0279	0.2811	0.7742
1119	P_-x	LinStatic	0.166	-0.51	17.155	0.0746	0.7659	4.1431
1119	P_+y	LinStatic	0.119	-0.929	16.488	0.1128	0.8155	2.0734
1119	P_-y	LinStatic	4.454E-03	-0.084	5.689	0.0105	0.0135	1.213
1119	L_C	LinStatic	-4.294E-03	8.744E-03	-0.063	-0.0021	-0.0329	-0.188
1119	Imp_x	LinStatic	-0.12	-5.783E-03	-0.102	-5.676E-04	-0.2286	-0.2519
1119	Imp_y	LinStatic	-0.018	-0.255	0.044	0.0198	-0.0638	-0.0293
1119	TIERRAS	LinStatic	-113.291	39.158	-0.016	-3.0258	-124.5264	-107.9335
1119	SDEAD	LinStatic	0.203	-3.209	30.728	0.2447	0.28	-0.4435
1119	TFCO_G1	LinStatic	-4.241E-03	2.709E-03	-0.011	-3.045E-04	-0.0148	-0.0028
1119	TFCO_G2	LinStatic	-5.058E-03	-4.657E-03	-9.812E-03	2.732E-04	-0.0181	-0.0049
1119	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
1119	Tº	LinStatic	0.	0.	0.	0.	0.	0.
1119	L_E	LinStatic	0.575	-0.687	3.624	0.0338	2.8918	-0.5405
1119	CG	LinStatic	-3.262	-14.895	160.124	1.6254	-1.1174	-16.5173
1119	CG_DEAD	LinStatic	-3.052	-7.007	127.263	0.5032	-3.7093	-4.5661
1126	DEAD	LinStatic	-1.859	-9.346	126.753	0.6707	0.2869	-4.5805
1126	W0_1	LinStatic	-1.011	-0.356	-10.34	0.0146	-22.5552	-17.7319
1126	W0_2	LinStatic	-0.855	-2.007	-3.924	0.106	-14.9682	-10.8772
1126	W180_1	LinStatic	-0.285	0.174	0.51	-0.0936	-0.7786	-0.4831
1126	W180_2	LinStatic	-0.127	-1.232	5.382	-0.0164	5.6467	5.4842
1126	W90	LinStatic	0.889	3.306	-5.736	-0.1703	1.0372	1.5208

Table 21: Joint Reactions

Joint	OutputCase	CaseType	F1	F2	F3	M1	M2	M3
			KN	KN	KN	KN-m	KN-m	KN-m
1126	W270	LinStatic	0.119	-0.159	-1.223	-0.0282	-2.8703	-0.1629
1126	SNOW	LinStatic	0.082	-0.855	3.21	0.0456	4.4319	3.9705
1126	L_G1	LinStatic	0.066	-0.684	2.568	0.0365	3.5456	3.1765
1126	P_+x	LinStatic	3.661E-06	-0.297	5.862	0.015	0.4884	0.7025
1126	P_-x	LinStatic	0.137	-0.457	19.289	0.0181	4.1951	3.4949
1126	P_+y	LinStatic	0.094	-0.791	18.14	0.0357	1.6338	1.7717
1126	P_-y	LinStatic	-6.613E-03	-0.14	6.29	0.0078	1.274	1.0523
1126	L_C	LinStatic	-2.966E-03	0.033	-4.602E-03	0.0019	-0.2647	-0.2198
1126	Imp_x	LinStatic	-0.107	-0.016	-0.168	9.471E-04	-0.2432	-0.2288
1126	Imp_y	LinStatic	-0.023	-0.234	0.094	0.0171	-0.0665	-0.0553
1126	TIERRAS	LinStatic	-96.569	42.619	-15.985	-3.5721	-76.7935	-96.9599
1126	SDEAD	LinStatic	0.346	-3.757	31.561	0.2928	0.4466	-0.5885
1126	TFCO_G1	LinStatic	-5.585E-03	1.855E-03	-0.017	-7.215E-05	-0.0126	-0.0054
1126	TFCO_G2	LinStatic	-6.542E-03	-4.201E-03	-0.013	4.373E-04	-0.0153	-0.0084
1126	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
1126	T°	LinStatic	0.	0.	0.	0.	0.	0.
1126	L_E	LinStatic	0.548	-0.929	3.141	0.0819	-2.1044	-0.0702
1126	CG	LinStatic	-2.278	-13.056	167.352	0.6889	-24.5476	-16.1288
1126	CG_DEAD	LinStatic	-1.859	-9.346	126.753	0.6707	0.2869	-4.5805
1133	DEAD	LinStatic	0.329	-11.488	130.032	0.9529	1.7029	-2.7265
1133	W0_1	LinStatic	-1.604	0.028	-11.308	-0.2169	6.7277	-15.6157
1133	W0_2	LinStatic	-1.261	-1.805	-4.345	0.028	5.4172	-9.4444
1133	W180_1	LinStatic	-0.214	-0.594	3.216	0.1133	0.2506	-0.4508
1133	W180_2	LinStatic	0.102	-2.129	8.523	0.3213	-0.7823	4.8824
1133	W90	LinStatic	0.875	3.473	-6.733	-0.2954	-0.4015	0.8415
1133	W270	LinStatic	-4.192E-03	-0.416	-0.029	0.0486	1.6994	-0.6635
1133	SNOW	LinStatic	0.189	-0.966	3.524	0.1346	-0.8111	3.5786
1133	L_G1	LinStatic	0.151	-0.773	2.819	0.1076	-0.6489	2.863
1133	P_+x	LinStatic	2.159E-03	-0.644	6.139	0.0598	-0.2012	0.6025
1133	P_-x	LinStatic	0.338	-1.411	21.512	0.1635	-1.6257	2.8952
1133	P_+y	LinStatic	0.206	-1.655	19.92	0.1676	-0.3547	1.4671
1133	P_-y	LinStatic	0.034	-0.502	6.749	0.0504	-0.6993	0.8918
1133	L_C	LinStatic	9.259E-03	0.106	0.151	-0.0134	0.1108	-0.2488
1133	Imp_x	LinStatic	-0.101	-0.028	-0.292	-0.0012	-0.0381	-0.1822
1133	Imp_y	LinStatic	-0.027	-0.21	0.206	0.0153	-0.0286	-0.0735
1133	TIERRAS	LinStatic	-73.276	41.847	-57.748	-3.3594	-26.81	-64.3094
1133	SDEAD	LinStatic	0.72	-4.055	34.436	0.3458	0.9095	-0.5651
1133	TFCO_G1	LinStatic	-7.895E-03	-2.566E-03	-0.036	-9.901E-04	-0.0124	-0.0077
1133	TFCO_G2	LinStatic	-8.920E-03	-7.393E-03	-0.026	-6.156E-04	-0.0135	-0.0111
1133	RETRACCIO N	LinStatic	0.	0.	0.	0.	0.	0.
1133	T°	LinStatic	0.	0.	0.	0.	0.	0.
1133	L_E	LinStatic	0.538	-0.687	3.263	0.0454	2.7451	-0.1022
1133	CG	LinStatic	-0.46	-18.689	180.612	1.5595	13.7779	-14.0928
1133	CG_DEAD	LinStatic	0.329	-11.488	130.032	0.9529	1.7029	-2.7265

## 9. Design summary

This section provides the design summary for each type of design, which highlights the controlling demand/capacity ratio and its associated combination and location in each member.

## 9.1. Steel design

**Table 22: Steel Design 1 - Summary Data - Eurocode 3-2005**

Table 22: Steel Design 1 - Summary Data - Eurocode 3-2005							
Frame	DesignSect	DesignType	Location m	Ratio	RatioType	Combo	Status
3	HE320A	Beam	3.1125	0.603563	PMM	A_1.35D+1. 5L_E+1.5TF O2	No Messages
4	HE320A	Beam	0.	0.82958	PMM	A_1.35D+1. 5TFCO_2	No Messages
5	HE320A	Beam	0.	0.677144	PMM	A_1.35D+1. 5TFCO_1	No Messages
7	HE320A	Column	6.	0.437522	PMM	A_1.35D+1. 5L_E+1.5TF O1	No Messages
48	HE320A	Beam	0.5	0.571886	PMM	A_1.35D+1. 5L_E+1.5TF O2	No Messages
86	HE320A	Beam	3.1125	0.812926	PMM	A_1.35D+1. 5L_E+1.5TF O1	No Messages

# ANEXO A02\_2 UNIONES

Proyecto:

Proyecto nº:

Autor:



## Datos del proyecto

Nombre del proyecto

Número del Proyecto

Autor

Descripción

Fecha 04/01/2021

Normativa de cálculo EN

## Material

Acero S275, S 275

Hormigón C30/37, C25/30

## Ítem del proyecto 5

### Diseño

Nombre 5

Descripción Conexión\_5

Análisis Tensión, deformación/ Cargas en equilibrio

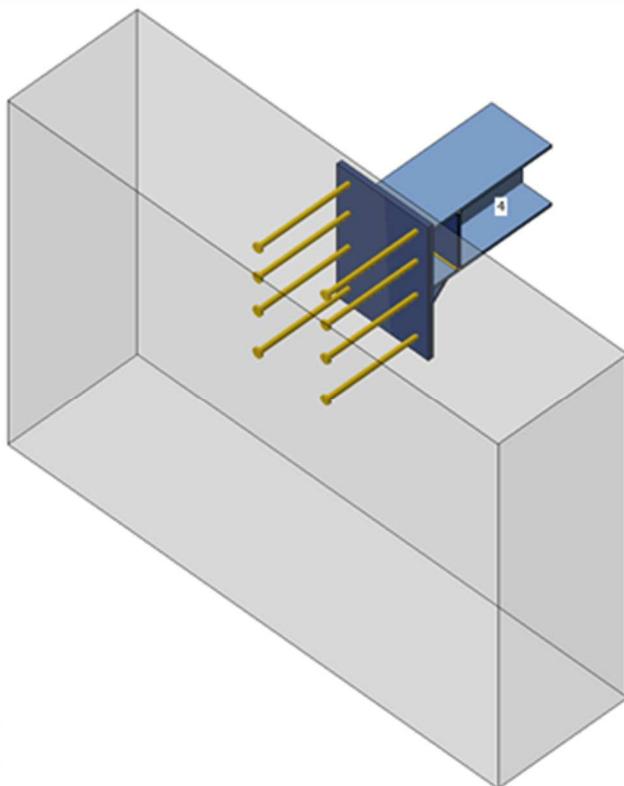
### Elementos estructurales

Nombre	Sección transversal	$\beta$ - Dirección [°]	$\gamma$ - Inclinación [°]	$\alpha$ - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]	Fuerzas en
4	1 - HEA320	0,0	0,0	0,0	0	0	0	Posición

Proyecto:

Proyecto n°:

Autor:



## Secciones

Nombre	Material
1 - HEA320	S275

## Anclajes

Nombre	Conjunto de tornillo	Diámetro [mm]	fu [MPa]	Área bruta [mm²]
M24 5.6	M24 5.6	24	500,0	452

## Cargas (Fuerzas en equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
A_1.35D+1.5L_E+1.5TFO1	4	101,6	-18,0	-185,0	0,0	0,0	0,0
A_1.35D+1.5L_E+1.5TFO2	4	-141,0	13,3	-113,5	0,0	0,0	0,0

## Bloque de la cimentación

Ítem	Valor	Unidad
<b>CB 1</b>		
Dimensiones	2460 x 1740	mm
Profundidad	650	mm
Anclaje	M24 5.6	
Longitud del anclaje	450	mm
Transferencia de la fuerza cortante	Anclajes	

Proyecto:

Proyecto nº:

Autor:

## Verificación

### Resumen

Nombre	Valor	Estado
Análisis	100,0%	OK
Placas	0,0 < 5,0%	OK
Anclajes	75,5 < 100%	OK
Soldaduras	32,2 < 100%	OK
Bloque de hormigón	5,1 < 100%	OK
Pandeo	No calculado	

### Placas

Nombre	Espesor [mm]	Cargas	$\sigma_{Ed}$ [MPa]	$\epsilon_{Pl}$ [%]	$\sigma_{CEd}$ [MPa]	Estado
4-bfl 1	15,5	A_1.35D+1.5L_E+1.5TFO1	122,0	0,0	0,0	OK
4-tfl 1	15,5	A_1.35D+1.5L_E+1.5TFO1	138,7	0,0	0,0	OK
4-w 1	9,0	A_1.35D+1.5L_E+1.5TFO1	140,9	0,0	0,0	OK
BP1	25,0	A_1.35D+1.5L_E+1.5TFO2	51,4	0,0	0,0	OK
WID1a	8,0	A_1.35D+1.5L_E+1.5TFO1	37,1	0,0	0,0	OK
WID1b	12,0	A_1.35D+1.5L_E+1.5TFO1	23,4	0,0	0,0	OK
RIGIDIZAR1a	15,0	A_1.35D+1.5L_E+1.5TFO1	30,0	0,0	0,0	OK
RIGIDIZAR1b	15,0	A_1.35D+1.5L_E+1.5TFO1	29,7	0,0	0,0	OK

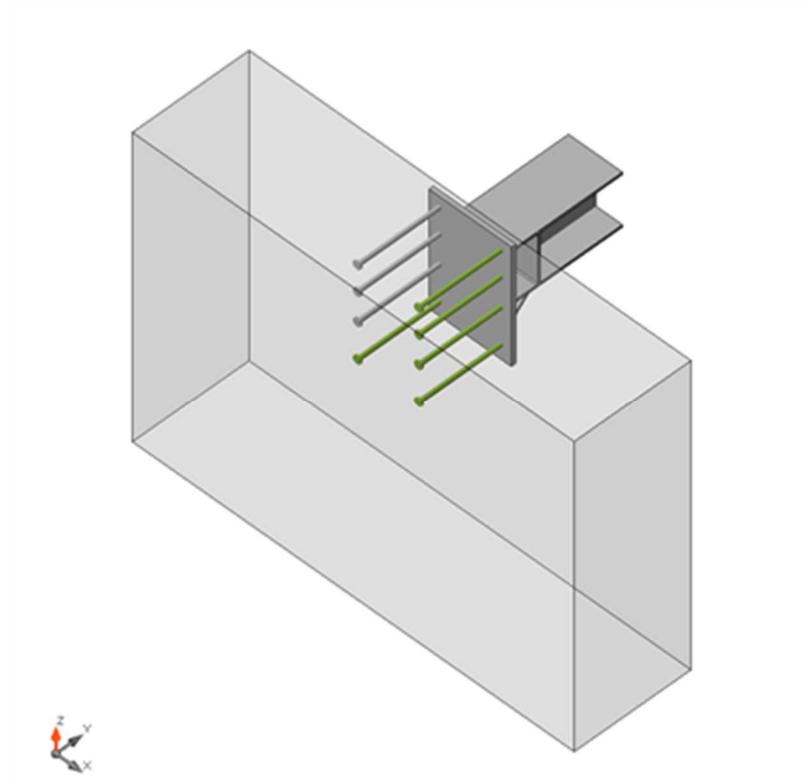
### Datos de diseño

Material	$f_y$ [MPa]	$\epsilon_{lim}$ [%]
S275	275,0	5,0

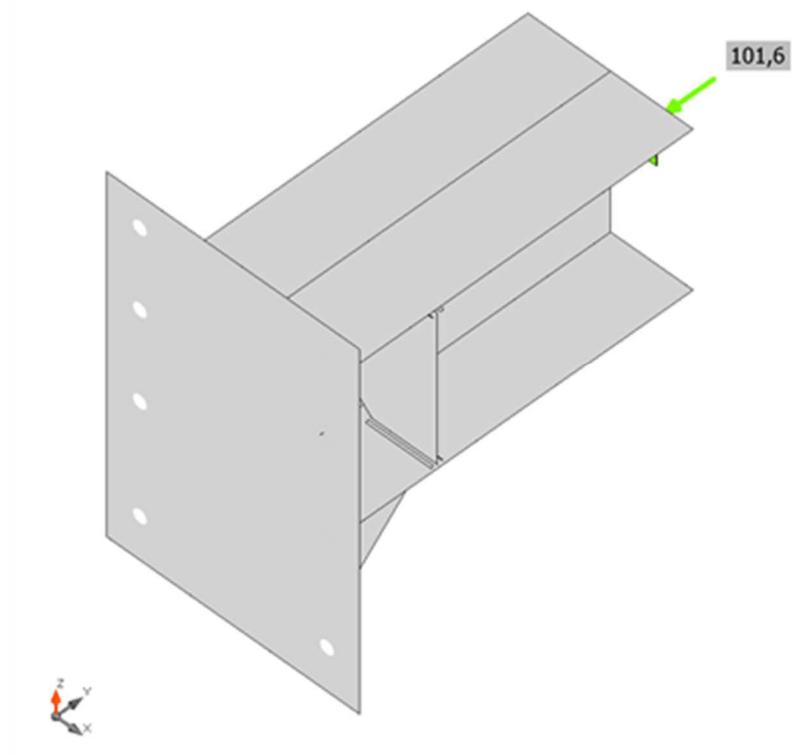
### Explicación del símbolo

- $\epsilon_{Pl}$  Deformación
- $\sigma_{Ed}$  Ec. tensión
- $\sigma_{CEd}$  Tensiones de Contacto
- $f_y$  Límite elástico
- $\epsilon_{lim}$  Límite de la deformación plástica

Proyecto:  
Proyecto nº:  
Autor:



Verificación general, A\_1.35D+1.5L\_E+1.5TFO1



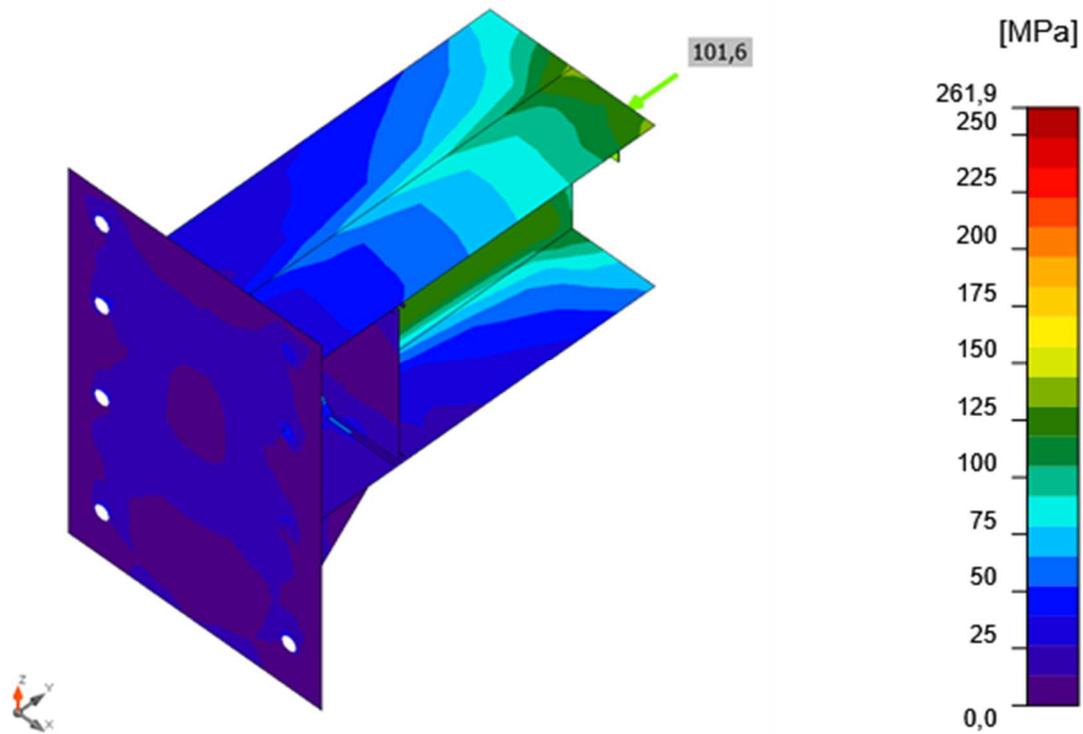
Verificación de deformación, A\_1.35D+1.5L\_E+1.5TFO1



Proyecto:

Proyecto n°:

Autor:



Tensión equivalente, A\_1.35D+1.5L\_E+1.5TFO1

## Anclajes

Forma	Ítem	Cargas	N <sub>E</sub> d [kN]	V <sub>E</sub> d [kN]	N <sub>Rd,c</sub> [kN]	N <sub>Rd,p</sub> [kN]	N <sub>Rd,cb</sub> [kN]	V <sub>Rd,c</sub> [kN]	V <sub>Rd,cp</sub> [kN]	U <sub>t</sub> [%]	U <sub>t,s</sub> [%]	U <sub>t,s</sub> [%]	Detalle	Estado
	A1	A_1.35D+1.5L_E+1.5TFO1	0,0	22,8	-	199,2	-	250,2	830,5	0,0	74,3	64,0	Aceptar	OK
	A2	A_1.35D+1.5L_E+1.5TFO2	18,9	14,2	333,6	199,2	271,7	248,7	830,5	46,1	45,9	62,5	Aceptar	OK
	A3	A_1.35D+1.5L_E+1.5TFO1	0,0	23,1	-	199,2	-	250,2	830,5	0,0	74,3	64,0	Aceptar	OK
	A4	A_1.35D+1.5L_E+1.5TFO2	21,0	14,2	333,6	199,2	-	248,7	830,5	46,1	45,9	62,5	Aceptar	OK
	A5	A_1.35D+1.5L_E+1.5TFO1	2,0	23,2	376,3	199,2	-	246,1	830,5	4,7	75,5	66,7	Aceptar	OK
	A6	A_1.35D+1.5L_E+1.5TFO1	2,1	23,6	376,3	199,2	-	246,1	830,5	4,7	75,5	66,7	Aceptar	OK
	A7	A_1.35D+1.5L_E+1.5TFO1	6,6	23,3	376,3	199,2	-	250,2	830,5	8,9	74,3	65,1	Aceptar	OK
	A8	A_1.35D+1.5L_E+1.5TFO2	26,2	14,3	333,6	199,2	-	248,7	830,5	46,1	45,9	62,5	Aceptar	OK

## Datos de diseño

Calidad	N <sub>Rd,s</sub> [kN]	V <sub>Rd,s</sub> [kN]
M24 5.6 - 1	75,0	53,0

Proyecto:

Proyecto nº:

Autor:



## Explicación del símbolo

$N_{Ed}$	Fuerza de tracción
$V_{Ed}$	Resultante de las fuerzas cortantes $V_y$ , $V_z$ en el tornillo.
$N_{Rd,c}$	Resistencia de diseño en caso de rotura del cono de hormigón bajo carga de tracción - EN1992-4 - Cl. 7.2.1.4
$N_{Rd,p}$	Resistencia de diseño en caso de falla de extracción - EN1992-4 - Cl. 7.2.1.5
$N_{Rd,cb}$	Resistencia de diseño en caso de falla por explosión del concreto - EN1992-4 - Cl. 7.2.1.8
$V_{Rd,c}$	Resistencia de diseño en caso de rotura del cono de hormigón bajo carga cortante - EN1992-4 - Cl. 7.2.2.5
$V_{Rd,cp}$	Resistencia de diseño en caso de falla de la palanca de concreto - EN1992-4 - Cl. 7.2.2.4
$U_{tt}$	Utilización a tracción
$U_{ts}$	Utilización a cortante
$U_{tts}$	Utilización a tensión y cortante
$N_{Rd,s}$	Diseño de la resistencia a la tracción de un sujetador en caso de falla del acero - EN1992-4 - Cl. 7.2.1.3
$V_{Rd,s}$	Diseño de resistencia al corte en caso de falla del acero - EN1992-4 - Cl. 7.2.2.3.1

## Soldaduras (Redistribución plástica)

Ítem	Borde	Espesor de g. [mm]	Longitud [mm]	Cargas	$\sigma_{w,E}^d$ [MPa]	$\epsilon_{PI}$ [%]	$\sigma_{\perp}$ [MPa]	$T_{\parallel}$ [MPa]	$T_{\perp}$ [MPa]	Ut [%]	Ut <sub>c</sub> [%]	Estado
BP1	4-bfl 1	▲7,8▲	300	A_1.35D+1.5L_E+1.5 TFO2	124,9	0,0	55,0	-44,7	46,8	30,9	10,6	OK
		▲7,8▲	300	A_1.35D+1.5L_E+1.5 TFO2	104,6	0,0	37,2	33,7	-45,3	25,9	10,3	OK
BP1	4-tfl 1	▲7,8▲	300	A_1.35D+1.5L_E+1.5 TFO2	130,4	0,0	52,6	46,6	50,8	32,2	11,4	OK
		▲7,8▲	300	A_1.35D+1.5L_E+1.5 TFO2	116,1	0,0	42,7	-43,6	-44,5	28,7	11,5	OK
BP1	4-w 1	▲4,5▲	295	A_1.35D+1.5L_E+1.5 TFO1	96,1	0,0	-4,5	55,2	-4,6	23,8	21,7	OK
		▲4,5▲	295	A_1.35D+1.5L_E+1.5 TFO1	97,0	0,0	-5,0	-55,7	4,8	24,0	21,8	OK
BP1	WID1a	▲7,0▲	208	A_1.35D+1.5L_E+1.5 TFO1	26,9	0,0	-6,1	13,7	-6,3	6,6	3,6	OK
		▲7,0▲	208	A_1.35D+1.5L_E+1.5 TFO1	27,2	0,0	-6,6	-13,8	6,4	6,7	3,6	OK
4-bfl 1	WID1a	▲7,0▲	208	A_1.35D+1.5L_E+1.5 TFO1	23,2	0,0	-1,8	-13,3	-1,6	5,7	4,5	OK
		▲7,0▲	208	A_1.35D+1.5L_E+1.5 TFO1	23,3	0,0	-1,7	13,3	1,9	5,8	4,5	OK
WID 1b	WID1a	▲7,0▲	294	A_1.35D+1.5L_E+1.5 TFO2	16,4	0,0	4,7	-7,9	4,5	4,1	1,1	OK
		▲7,0▲	294	A_1.35D+1.5L_E+1.5 TFO2	16,0	0,0	4,3	7,7	-4,5	4,0	1,1	OK
BP1	WID1b	▲7,0▲	240	A_1.35D+1.5L_E+1.5 TFO1	46,5	0,0	-6,0	-9,6	-24,8	11,5	6,0	OK
		▲7,0▲	240	A_1.35D+1.5L_E+1.5 TFO1	22,6	0,0	-10,7	7,6	8,6	5,6	3,0	OK
4-bfl 1	WID1b	▲7,0▲	240	A_1.35D+1.5L_E+1.5 TFO1	65,1	0,0	-3,9	-1,3	-37,5	16,1	6,5	OK
		▲7,0▲	240	A_1.35D+1.5L_E+1.5 TFO1	19,3	0,0	-14,4	-0,6	7,4	4,8	2,9	OK
4-bfl 1	RIGIDIZA R1a	▲4,8▲	119	A_1.35D+1.5L_E+1.5 TFO1	57,2	0,0	-36,7	-1,5	-25,2	14,1	7,9	OK

Proyecto:

Proyecto nº:

Autor:

		▲4,8▲	119	A_1.35D+1.5L_E+1.5 TFO2	29,3	0,0	18,4	6,8	-11,3	7,2	4,9	OK
4-w 1	RIGIDIZA R1a	▲4,8▲	225	A_1.35D+1.5L_E+1.5 TFO1	13,5	0,0	1,1	-7,7	0,5	3,3	3,0	OK
		▲4,8▲	225	A_1.35D+1.5L_E+1.5 TFO1	28,1	0,0	19,5	5,1	-10,5	6,9	4,0	OK
4-tfl 1	RIGIDIZA R1a	▲4,8▲	119	A_1.35D+1.5L_E+1.5 TFO1	34,3	0,0	22,4	1,1	14,9	8,5	6,0	OK
		▲4,8▲	119	A_1.35D+1.5L_E+1.5 TFO1	32,6	0,0	-21,5	1,9	14,0	8,1	5,3	OK
4-bfl 1	RIGIDIZA R1b	▲4,8▲	118	A_1.35D+1.5L_E+1.5 TFO2	24,3	0,0	16,8	-4,2	9,2	6,0	4,1	OK
		▲4,8▲	118	A_1.35D+1.5L_E+1.5 TFO1	56,2	0,0	-35,7	3,5	24,8	13,9	7,7	OK
4-w 1	RIGIDIZA R1b	▲4,8▲	225	A_1.35D+1.5L_E+1.5 TFO1	26,6	0,0	18,6	-4,4	10,0	6,6	3,8	OK
		▲4,8▲	225	A_1.35D+1.5L_E+1.5 TFO1	15,7	0,0	12,7	-4,2	-3,3	4,1	2,7	OK
4-tfl 1	RIGIDIZA R1b	▲4,8▲	118	A_1.35D+1.5L_E+1.5 TFO1	32,0	0,0	-21,3	-1,2	-13,8	7,9	5,2	OK
		▲4,8▲	118	A_1.35D+1.5L_E+1.5 TFO1	34,2	0,0	22,3	-1,6	-14,8	8,4	5,8	OK

## Datos de diseño

	$\beta_w$ [-]	$\sigma_{w,Rd}$ [MPa]	$0.9 \sigma$ [MPa]
S275	0,85	404,7	309,6

## Explicación del símbolo

- $\epsilon_{Pl}$  Deformación
- $\sigma_{w,Ed}$  Tensión equivalente
- $\sigma_{w,Rd}$  Resistencia a tensión equivalente
- $\sigma_{\perp}$  Tensión perpendicular
- $\tau_{\parallel}$  Tensión cortante paralela al eje de la soldadura
- $\tau_{\perp}$  Tensión normal perpendicular al eje de la soldadura
- $0.9 \sigma$  Resistencia a tensión perpendicular -  $0.9 \cdot f_u / \gamma_{M2}$
- $\beta_w$  Factor de correlación EN 1993-1-8 tabla. 4.1
- $U_t$  Utilización
- $U_{tc}$  Utilización de la capacidad de la soldadura

## Bloque de hormigón

Ítem	Cargas	c [mm]	$A_{eff}$ [mm <sup>2</sup> ]	$\sigma$ [MPa]	$k_j$ [-]	$F_{jd}$ [MPa]	$U_t$ [%]	Estado
CB 1	A_1.35D+1.5L_E+1.5TFO1	38	65517	1,9	2,72	36,5	5,1	OK

## Explicación del símbolo

- c Anchura del área portante
- $A_{eff}$  Área efectiva
- $\sigma$  Tensión media en el hormigón
- $k_j$  Factor de concentración
- $F_{jd}$  Resistencia portante última del bloque de hormigón

Proyecto:

Proyecto nº:

Autor:

Ut Utilización



## Pandeo

**El análisis de pandeo no se ha calculado.**

## Configuración de la norma

Ítem	Valor	Unidad	Referencia
$\gamma_{M0}$	1,05	-	EN 1993-1-1: 6.1
$\gamma_{M1}$	1,05	-	EN 1993-1-1: 6.1
$\gamma_{M2}$	1,25	-	EN 1993-1-1: 6.1
$\gamma_{M3}$	1,25	-	EN 1993-1-8: 2.2
$\gamma_C$	1,50	-	EN 1992-1-1: 2.4.2.4
$\gamma_{Inst}$	1,20	-	EN 1992-4: Table 4.1
Coeficiente de unión $\beta_j$	0,67	-	EN 1993-1-8: 6.2.5
Área efectiva - influencia del tamaño de la malla	0,10	-	
Coeficiente de fricción - hormigón	0,25	-	EN 1993-1-8
Coeficiente de fricción en la resistencia a deslizamiento	0,30	-	EN 1993-1-8 Pestaña 3.7
Deformación plástica límite	0,05	-	EN 1993-1-5
Evaluación de la tensión de la soldadura	Redistribución plástica		
Detallado	Sí		
Distancia entre tornillos [d]	2,20	-	EN 1993-1-8: Pestaña 3.3
Distancia entre tornillos y el borde [d]	1,20	-	EN 1993-1-8: Pestaña 3.3
Resistencia al arrancamiento del cono de hormigón	Ambos		EN 1992-4: 7.2.1.4 and 7.2.2.5
Utilizar $\alpha_b$ calculada en la verificación por aplastamiento.	Sí		EN 1993-1-8: Pestaña 3.4
Hormigón fisurado	No		EN 1992-4
Comprobación de la deformación local	No		CIDECT DG 1, 3 - 1.1
Deformación límite local	0,03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas
Sistema arriostrado	No		EN 1993-1-8: 5.2.2.5

Proyecto:

Proyecto nº:

Autor:



## Datos del proyecto

Nombre del proyecto

Número del Proyecto

Autor

Descripción

Fecha 11/01/2021

Normativa de cálculo EN

## Material

Acero S275

Hormigón C30/37

## Ítem del proyecto 359

### Diseño

Nombre 359

Descripción

Análisis Tensión, deformación/ Cargas en equilibrio

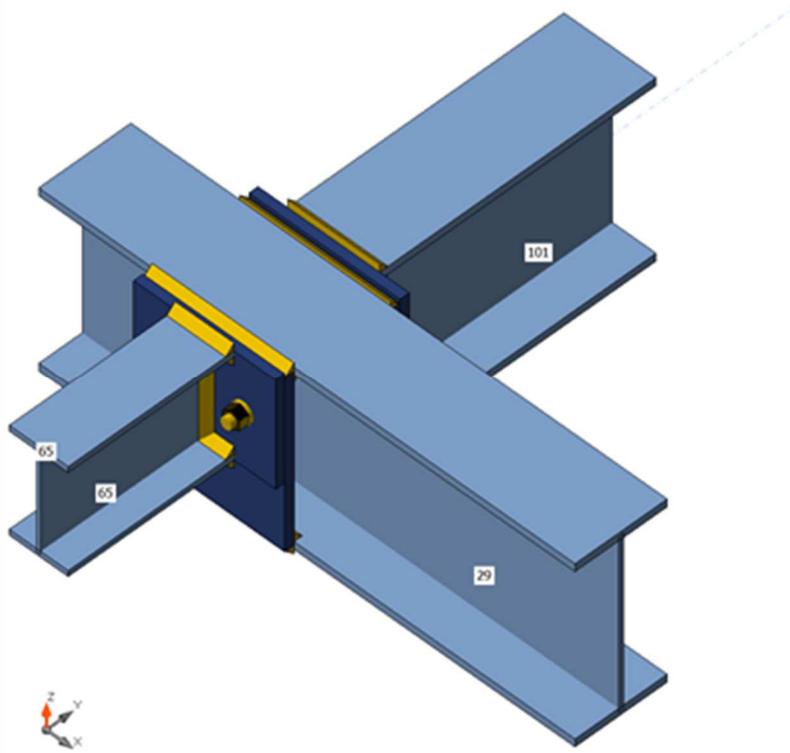
### Elementos estructurales

Nombre	Sección transversal	$\beta$ - Dirección [°]	$\gamma$ - Inclinación [°]	$\alpha$ - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]	Fuerzas en
29	6 - IPE200	0.0	0.0	0.0	0	0	0	Posición
65	8 - IPE120	0.0	0.0	0.0	0	0	40	Posición
101	6 - IPE200	0.0	0.0	0.0	0	0	0	Posición

Proyecto:

Proyecto nº:

Autor:



## Secciones

Nombre	Material
6 - IPE200	S275
8 - IPE120	S275

## Tornillos

Nombre	Conjunto de tornillo	Diámetro [mm]	fu [MPa]	Área bruta [mm²]
M12 8.8	M12 8.8	12	800.0	113

## Cargas (Fuerzas en equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
A_1.35D+1.5TFCO_1	29	1.0	-0.2	2.1	0.0	0.0	0.2
	65	26.7	0.0	-0.6	0.0	0.0	0.0
	101	-26.9	-1.0	-1.5	0.0	0.0	-0.2
A_1.35D+1.5TFCO_2	29	1.0	-0.2	2.1	0.0	0.0	0.2
	65	27.0	0.0	-0.6	0.0	0.0	0.0
	101	-27.2	-1.0	-1.5	0.0	0.0	-0.2
A_1.35D+1.5L_E+1.5TFO1	29	6.1	-1.3	12.3	0.0	0.0	1.0
	65	24.1	0.0	-4.1	0.0	0.0	0.0
	101	-25.4	-6.1	-8.2	0.0	0.0	-1.0
A_1.35D+1.5L_E+1.5TFO2	29	6.1	-1.3	12.3	0.0	0.0	1.0
	65	24.4	0.0	-4.1	0.0	0.0	0.0

Proyecto:

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Autor:

	101	-25.7	-6.1	-8.2	0.0	0.0	-1.0
A_1.35D+1.5L_E	29	6.1	-1.4	12.3	0.0	0.0	1.0
	65	0.3	0.0	-4.1	0.0	0.0	0.0
	101	-1.7	-6.1	-8.2	0.0	0.0	-1.0

## Verificación

### Resumen

Nombre	Valor	Estado
Análisis	100.0%	OK
Placas	0.0 < 5.0%	OK
Tornillos	11.7 < 100%	OK
Soldaduras	20.9 < 100%	OK
Pandeo	No calculado	

### Placas

Nombre	Espesor [mm]	Cargas	$\sigma_{Ed}$ [MPa]	$\epsilon_{PI}$ [%]	$\sigma_{CEd}$ [MPa]	Estado
29-bfl 1	8.5	A_1.35D+1.5L_E+1.5TFO2	73.4	0.0	0.0	OK
29-tfl 1	8.5	A_1.35D+1.5L_E+1.5TFO2	89.0	0.0	0.0	OK
29-w 1	5.6	A_1.35D+1.5L_E+1.5TFO2	35.3	0.0	0.0	OK
65-bfl 1	6.3	A_1.35D+1.5TFCO_2	31.6	0.0	0.0	OK
65-tfl 1	6.3	A_1.35D+1.5L_E+1.5TFO2	47.1	0.0	0.0	OK
65-w 1	4.4	A_1.35D+1.5L_E+1.5TFO2	37.3	0.0	0.0	OK
101-bfl 1	8.5	A_1.35D+1.5L_E+1.5TFO2	57.5	0.0	0.0	OK
101-tfl 1	8.5	A_1.35D+1.5L_E+1.5TFO2	65.1	0.0	0.0	OK
101-w 1	5.6	A_1.35D+1.5L_E	29.1	0.0	0.0	OK
SEP1a	10.0	A_1.35D+1.5L_E	29.0	0.0	5.3	OK
SEP1b	10.0	A_1.35D+1.5L_E	39.6	0.0	5.3	OK
RIGIDIZAR	10.0	A_1.35D+1.5TFCO_2	27.0	0.0	0.0	OK
SEP2a	10.0	A_1.35D+1.5L_E	55.9	0.0	10.2	OK
SEP2b	10.0	A_1.35D+1.5L_E+1.5TFO2	64.2	0.0	14.2	OK
RIGIDIZAR	10.0	A_1.35D+1.5L_E+1.5TFO2	25.4	0.0	0.0	OK

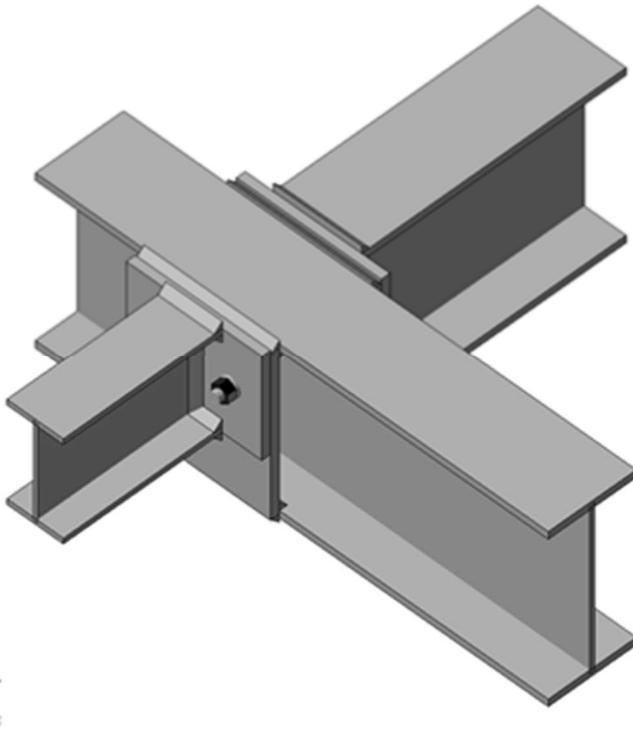
### Datos de diseño

Material	$f_y$ [MPa]	$\epsilon_{lim}$ [%]
S275	275.0	5.0

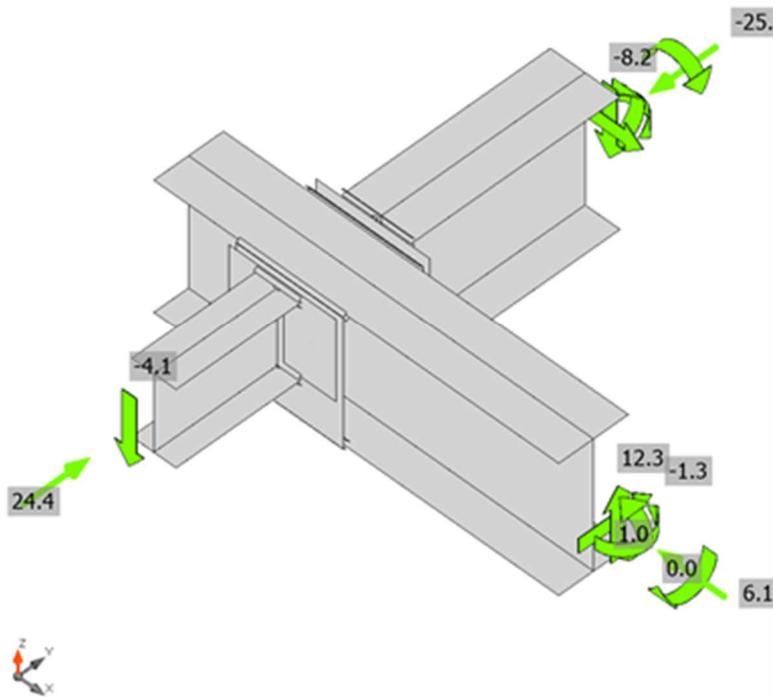
### Explicación del símbolo

- $\epsilon_{PI}$  Deformación
- $\sigma_{Ed}$  Ec. tensión
- $\sigma_{CEd}$  Contact stress
- $f_y$  Límite elástico
- $\epsilon_{lim}$  Límite de la deformación plástica

Proyecto:  
Proyecto n°:  
Autor:



Verificación general, A\_1.35D+1.5L\_E+1.5TFO2

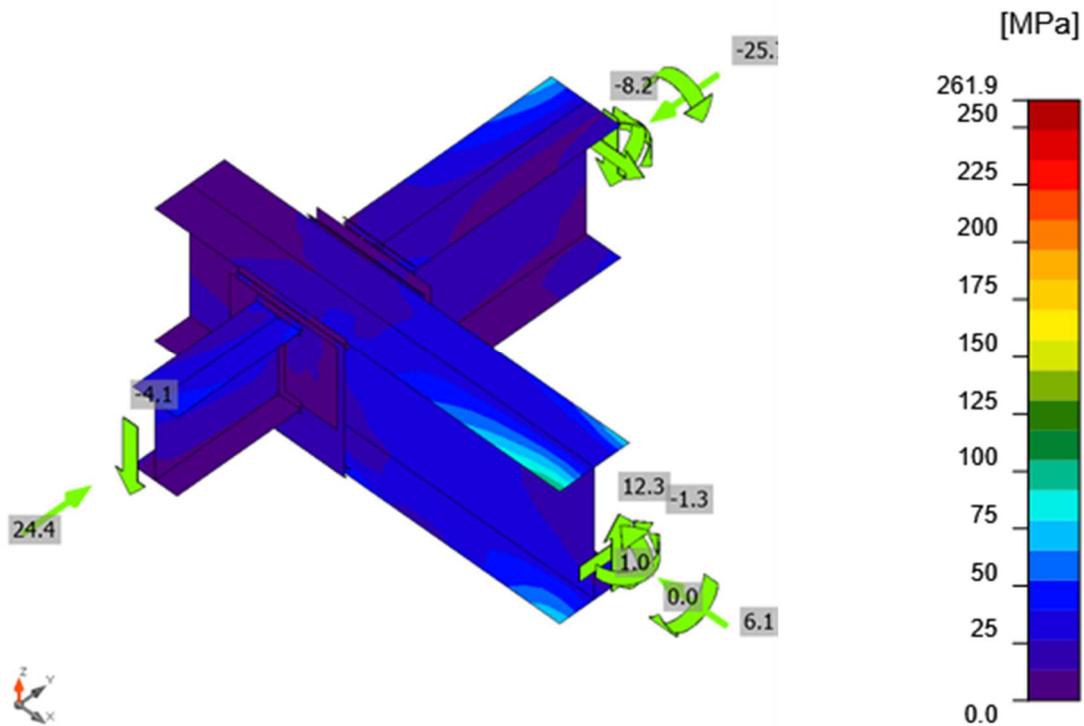


Verificación de deformación, A\_1.35D+1.5L\_E+1.5TFO2

Proyecto:

Proyecto nº:

Autor:



Tensión equivalente, A\_1.35D+1.5L\_E+1.5TFO2

## Tornillos

	Nombre	Cargas	$F_{t,Ed}$ [kN]	V [kN]	$U_{t_t}$ [%]	$F_{b,Rd}$ [kN]	$U_{t_s}$ [%]	$U_{t_{ts}}$ [%]	Estado
	B5	A_1.35D+1.5L_E	2.5	2.1	5.2	103.2	6.4	10.1	OK
	B6	A_1.35D+1.5L_E	2.6	2.1	5.4	103.2	6.4	10.2	OK
	B11	A_1.35D+1.5L_E	2.3	1.7	4.7	103.2	5.1	8.5	OK
	B12	A_1.35D+1.5L_E+1.5TFO2	0.7	1.8	1.5	103.2	5.5	6.6	OK
	B13	A_1.35D+1.5L_E	1.1	1.7	2.2	103.2	5.3	6.9	OK
	B14	A_1.35D+1.5L_E	1.0	1.6	2.0	103.2	5.1	6.6	OK
	B15	A_1.35D+1.5L_E	4.3	1.7	9.0	103.2	5.3	11.7	OK
	B16	A_1.35D+1.5L_E	1.3	1.7	2.7	103.2	5.4	7.3	OK

## Datos de diseño

Nombre	$F_{t,Rd}$ [kN]	$B_{p,Rd}$ [kN]	$F_{v,Rd}$ [kN]
M12 8.8 - 1	48.4	129.7	32.3

## Explicación del símbolo

$F_{t,Rd}$  Resistencia a tracción del tornillo EN 1993-1-8 tabla. 3.4

$F_{t,Ed}$  Fuerza de tracción

$B_{p,Rd}$  Resistencia al cortante perforante

Proyecto:

Proyecto nº:



Autor:

- V Resultante de las fuerzas cortantes  $V_y$ ,  $V_z$  en el tornillo.
- $F_{v,Rd}$  Resistencia a cortante de los tornillos EN\_1993-1-8 tabla 3.4
- $F_{b,Rd}$  Resistencia al aplastamiento de la placa, según EN 1993-1-8 tab. 3.4
- $U_{t1}$  Utilización a tracción
- $U_{t2}$  Utilización a cortante

## Soldaduras (Redistribución plástica)

Ítem	Borde	Espesor de g. [mm]	Longitud [mm]	Cargas	$\sigma_{w,Ed}$ [MPa]	$\epsilon_{pl}$ [%]	$\sigma_{\perp}$ [MPa]	$T_{\parallel}$ [MPa]	$T_{\perp}$ [MPa]	Ut [%]	$U_{tc}$ [%]	Estado
SEP1a	29-tfl 1	▲6.4▲	154	A_1.35D+1.5L_E+1.5 TFO2	15.7	0.0	-9.1	0.4	7.4	3.9	2.4	OK
		▲6.4▲	154	A_1.35D+1.5TFCO_2	22.1	0.0	-14.7	7.8	5.5	5.5	3.1	OK
SEP1a	29-bfl 1	▲6.4▲	154	A_1.35D+1.5TFCO_2	20.8	0.0	13.9	7.9	4.2	5.1	2.8	OK
		▲6.4▲	154	A_1.35D+1.5L_E+1.5 TFO2	13.6	0.0	-4.3	-7.3	-1.5	3.4	1.7	OK
SEP1b	65-bfl 1	▲6.4▲	64	A_1.35D+1.5TFCO_2	21.6	0.0	-7.3	4.4	-10.9	5.3	3.7	OK
		▲6.4▲	64	A_1.35D+1.5TFCO_2	22.3	0.0	-11.2	-8.2	7.6	5.5	3.0	OK
SEP1b	65-tfl 1	▲6.4▲	64	A_1.35D+1.5L_E+1.5 TFO2	29.3	0.0	-13.0	-8.1	-12.8	7.2	3.6	OK
		▲6.4▲	64	A_1.35D+1.5L_E+1.5 TFO2	32.4	0.0	-14.0	9.1	14.2	8.0	4.5	OK
SEP1b	65-w 1	▲6.4▲	114	A_1.35D+1.5TFCO_2	16.6	0.0	-7.5	3.9	-7.6	4.1	3.4	OK
		▲6.4▲	114	A_1.35D+1.5TFCO_2	16.7	0.0	-7.7	4.0	7.6	4.1	3.4	OK
29-bfl 1	RIGIDIZAR	▲6.4▲	47	A_1.35D+1.5TFCO_2	13.5	0.0	-0.1	-6.8	3.7	3.3	3.0	OK
		▲6.4▲	47	A_1.35D+1.5TFCO_2	13.7	0.0	-0.4	-6.7	4.2	3.4	2.0	OK
29-w 1	RIGIDIZAR	▲6.4▲	183	A_1.35D+1.5TFCO_2	15.7	0.0	-6.0	5.4	-6.4	3.9	3.1	OK
		▲6.4▲	183	A_1.35D+1.5TFCO_2	17.2	0.0	-7.1	6.5	6.4	4.3	2.8	OK
29-tfl 1	RIGIDIZAR	▲6.4▲	47	A_1.35D+1.5L_E+1.5 TFO2	13.0	0.0	-0.6	-6.3	-4.1	3.2	2.0	OK
		▲6.4▲	47	A_1.35D+1.5TFCO_2	14.3	0.0	-2.1	-8.1	0.4	3.5	3.4	OK
SEP1a	RIGIDIZAR	▲6.4▲	183	A_1.35D+1.5TFCO_2	32.5	0.0	-14.8	10.7	-12.8	8.0	4.7	OK
		▲6.4▲	183	A_1.35D+1.5TFCO_2	25.8	0.0	-11.0	3.7	12.9	6.4	4.1	OK
SEP2a	29-tfl 1	▲6.4▲	164	A_1.35D+1.5L_E	20.6	0.0	-9.3	4.5	9.6	5.1	2.2	OK
		▲6.4▲	164	A_1.35D+1.5TFCO_2	26.0	0.0	18.2	9.0	-5.7	6.4	3.4	OK
SEP2a	29-bfl 1	▲6.4▲	164	A_1.35D+1.5L_E+1.5 TFO2	54.7	0.0	-28.8	21.3	-16.4	13.5	5.2	OK
		▲6.4▲	164	A_1.35D+1.5L_E+1.5 TFO2	15.7	0.0	1.4	-6.0	-6.7	3.9	2.2	OK
SEP2b	101-bfl 1	▲6.4▲	100	A_1.35D+1.5L_E+1.5 TFO2	84.4	0.0	-35.7	34.1	-28.1	20.9	5.8	OK

Proyecto:

Proyecto nº:

Autor:

		▲6.4▲	100	A_1.35D+1.5L_E+1.5 TFO2	73.2	0.0	-25.8	-21.2	33.4	18.1	6.5	OK
SEP2b	101-tfl 1	▲6.4▲	100	A_1.35D+1.5L_E	50.6	0.0	-17.4	14.4	-23.3	12.5	5.0	OK
		▲6.4▲	100	A_1.35D+1.5L_E	63.0	0.0	-26.6	-25.6	20.7	15.6	4.7	OK
SEP2b	101-w 1	▲6.4▲	192	A_1.35D+1.5L_E	22.2	0.0	2.4	-12.7	1.2	5.5	2.6	OK
		▲6.4▲	192	A_1.35D+1.5L_E+1.5 TFO2	19.5	0.0	-6.6	9.1	5.4	4.8	3.0	OK
29-bfl 1	RIGIDIZ AR	▲6.4▲	47	A_1.35D+1.5L_E+1.5 TFO2	21.9	0.0	-1.0	-9.5	8.3	5.4	3.3	OK
		▲6.4▲	47	A_1.35D+1.5L_E+1.5 TFO2	24.0	0.0	1.0	-11.1	8.3	5.9	4.2	OK
29-w 1	RIGIDIZ AR	▲6.4▲	183	A_1.35D+1.5L_E+1.5 TFO2	19.3	0.0	-5.2	9.1	-5.7	4.8	3.2	OK
		▲6.4▲	183	A_1.35D+1.5TFCO_2	13.0	0.0	-6.0	2.7	6.1	3.2	2.7	OK
29-tfl 1	RIGIDIZ AR	▲6.4▲	47	A_1.35D+1.5TFCO_2	22.6	0.0	-1.0	-11.3	-6.6	5.6	3.5	OK
		▲6.4▲	47	A_1.35D+1.5TFCO_2	9.6	0.0	-1.8	-3.9	-3.8	2.4	2.0	OK
SEP2a	RIGIDIZ AR	▲6.4▲	183	A_1.35D+1.5L_E+1.5 TFO2	25.4	0.0	4.3	-4.4	-13.8	6.3	4.3	OK
		▲6.4▲	183	A_1.35D+1.5TFCO_2	26.4	0.0	-2.1	-4.7	14.5	6.5	3.7	OK

## Datos de diseño

	$\beta_w$ [-]	$\sigma_{w,Rd}$ [MPa]	$0.9 \sigma$ [MPa]
S275	0.85	404.7	309.6

## Explicación del símbolo

$\epsilon_{Pl}$	Deformación
$\sigma_{w,Ed}$	Tensión equivalente
$\sigma_{w,Rd}$	Resistencia a tensión equivalente
$\sigma_{\perp}$	Tensión perpendicular
$\tau_{\parallel}$	Tensión cortante paralela al eje de la soldadura
$\tau_{\perp}$	Tensión normal perpendicular al eje de la soldadura
$0.9 \sigma$	Resistencia a tensión perpendicular - $0.9 \cdot f_u / \gamma_{M2}$
$\beta_w$	Factor de correlación EN 1993-1-8 tabla. 4.1
$U_t$	Utilización
$U_{tc}$	Utilización de la capacidad de la soldadura

## Pandeo

El análisis de pandeo no se ha calculado.

# Configuración de la norma

PDF Pro Trial	Ítem	Valor	Unidad	Referencia
---------------	------	-------	--------	------------

Proyecto:

Proyecto nº:

Autor:



Y <sub>M0</sub>	1.05	-	EN 1993-1-1: 6.1
Y <sub>M1</sub>	1.05	-	EN 1993-1-1: 6.1
Y <sub>M2</sub>	1.25	-	EN 1993-1-1: 6.1
Y <sub>M3</sub>	1.25	-	EN 1993-1-8: 2.2
Y <sub>C</sub>	1.50	-	EN 1992-1-1: 2.4.2.4
Y <sub>Inst</sub>	1.20	-	EN 1992-4: Table 4.1
Coeficiente de unión β <sub>j</sub>	0.67	-	EN 1993-1-8: 6.2.5
Área efectiva - influencia del tamaño de la malla	0.10	-	
Coeficiente de fricción - hormigón	0.25	-	EN 1993-1-8
Coeficiente de fricción en la resistencia a deslizamiento	0.30	-	EN 1993-1-8 Pestaña 3.7
Deformación plástica límite	0.05	-	EN 1993-1-5
Evaluación de la tensión de la soldadura	Redistribución plástica		
Detallado	No		
Distancia entre tornillos [d]	2.20	-	EN 1993-1-8: Pestaña 3.3
Distancia entre tornillos y el borde [d]	1.20	-	EN 1993-1-8: Pestaña 3.3
Resistencia al arrancamiento del cono de hormigón	Both		EN 1992-4: 7.2.1.4 and 7.2.2.5
Utilizar α <sub>b</sub> calculada en la verificación por aplastamiento.	Sí		EN 1993-1-8: Pestaña 3.4
Hormigón fisurado	No		EN 1992-4
Comprobación de la deformación local	No		CIDECT DG 1, 3 - 1.1
Deformación límite local	0.03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas
Sistema arriostrado	No		EN 1993-1-8: 5.2.2.5

Proyecto:

Proyecto nº:

Autor:



## Datos del proyecto

Nombre del proyecto

Número del Proyecto

Autor

Descripción

Fecha 04/01/2021

Normativa de cálculo EN

## Material

Acero S275, S 275

Hormigón C30/37, C25/30

## Ítem del proyecto 640

### Diseño

Nombre 640

Descripción Muñón\_HEA240

Análisis Tensión, deformación/ Cargas en equilibrio

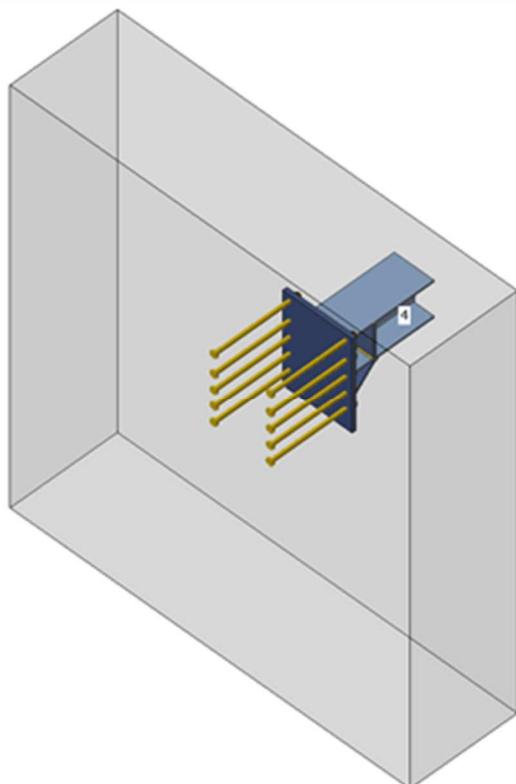
### Elementos estructurales

Nombre	Sección transversal	$\beta$ - Dirección [°]	$\gamma$ - Inclinación [°]	$\alpha$ - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]	Fuerzas en
4	3 - HEA240	0,0	0,0	0,0	0	0	0	Posición

Proyecto:

Proyecto n°:

Autor:



## Secciones

Nombre	Material
3 - HEA240	S275

## Anclajes

Nombre	Conjunto de tornillo	Diámetro [mm]	fu [MPa]	Área bruta [mm <sup>2</sup> ]
M24 5.6	M24 5.6	24	500,0	452

## Cargas (Fuerzas en equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
A_1.35D+1.5L_E+1.5TFO1	4	0,1	79,3	-150,0	0,0	-121,2	-43,2

## Bloque de la cimentación

Ítem	Valor	Unidad
<b>CB 1</b>		
Dimensiones	2420 x 2580	mm
Profundidad	650	mm
Anclaje	M24 5.6	
Longitud del anclaje	450	mm
Transferencia de la fuerza cortante	Anclajes	

Proyecto:

Proyecto nº:

Autor:

## Verificación

### Resumen

Nombre	Valor	Estado
Análisis	100,0%	OK
Placas	1,0 < 5,0%	OK
Anclajes	89,8 < 100%	OK
Soldaduras	98,5 < 100%	OK
Bloque de hormigón	48,3 < 100%	OK
Pandeo	No calculado	

### Placas

Nombre	Espesor [mm]	Cargas	$\sigma_{Ed}$ [MPa]	$\epsilon_{Pl}$ [%]	$\sigma_{CEd}$ [MPa]	Estado
4-bfl 1	12,0	A_1.35D+1.5L_E+1.5TFO1	261,0	0,2	0,0	OK
4-tfl 1	12,0	A_1.35D+1.5L_E+1.5TFO1	263,9	1,0	0,0	OK
4-w 1	7,5	A_1.35D+1.5L_E+1.5TFO1	224,0	0,0	0,0	OK
BP1	25,0	A_1.35D+1.5L_E+1.5TFO1	262,4	0,2	0,0	OK
WID1a	7,0	A_1.35D+1.5L_E+1.5TFO1	192,1	0,0	0,0	OK
WID1b	12,0	A_1.35D+1.5L_E+1.5TFO1	262,1	0,1	0,0	OK
RIGIDIZAR1a	15,0	A_1.35D+1.5L_E+1.5TFO1	196,2	0,0	0,0	OK
RIGIDIZAR1b	15,0	A_1.35D+1.5L_E+1.5TFO1	90,1	0,0	0,0	OK

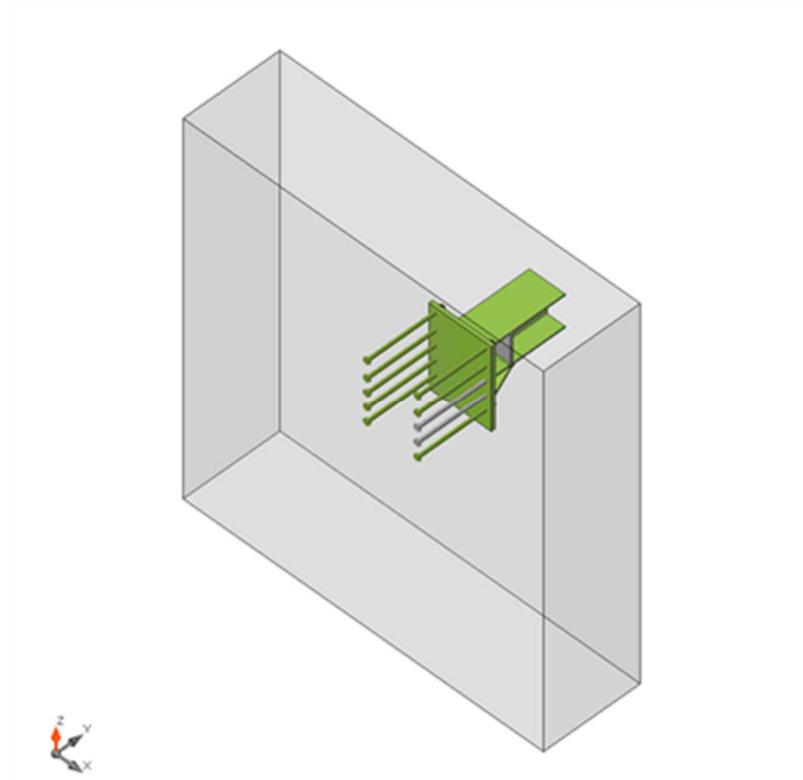
### Datos de diseño

Material	$f_y$ [MPa]	$\epsilon_{lim}$ [%]
S275	275,0	5,0

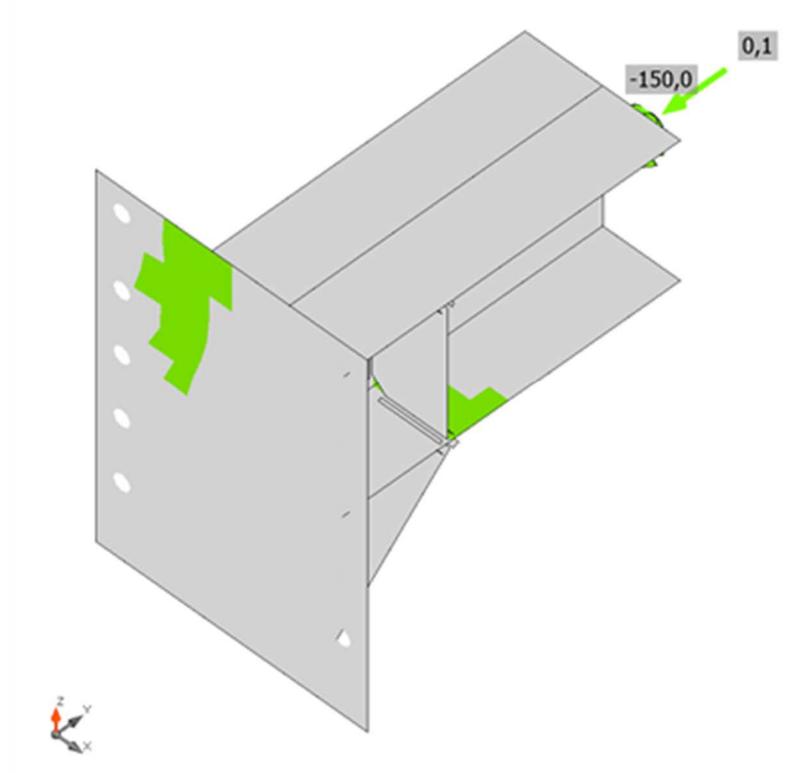
### Explicación del símbolo

$\epsilon_{Pl}$	Deformación
$\sigma_{Ed}$	Ec. tensión
$\sigma_{CEd}$	Tensiones de Contacto
$f_y$	Límite elástico
$\epsilon_{lim}$	Límite de la deformación plástica

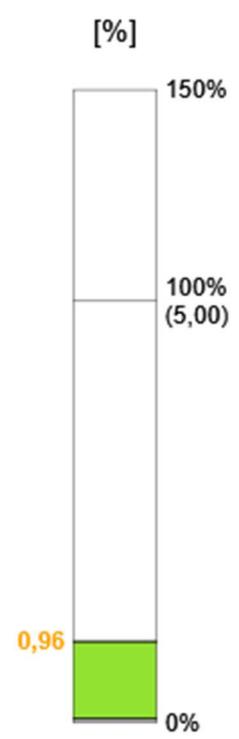
Proyecto:  
Proyecto n°:  
Autor:



Verificación general, A\_1.35D+1.5L\_E+1.5TFO1



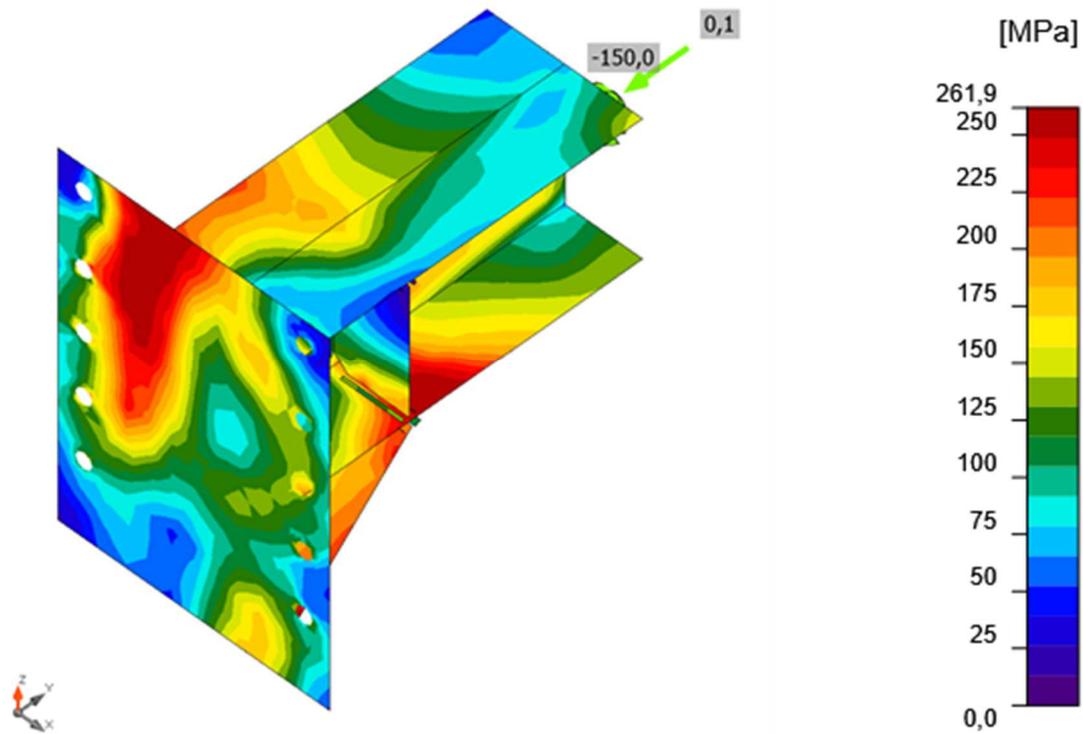
Verificación de deformación, A\_1.35D+1.5L\_E+1.5TFO1



Proyecto:

Proyecto nº:

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Tensión equivalente, A\_1.35D+1.5L\_E+1.5TFO1

## Anclajes

Forma	Ítem	Cargas	N <sub>E</sub> d [kN]	V <sub>E</sub> d [kN]	N <sub>Rd,c</sub> [kN]	N <sub>Rd,p</sub> [kN]	N <sub>Rd,cb</sub> [kN]	V <sub>Rd,c</sub> c [kN]	V <sub>Rd,p</sub> p [kN]	U <sub>t</sub> [%]	U <sub>s</sub> [%]	U <sub>t</sub> s [%]	Detalle	Estado
	A1	A_1.35D+1.5L_E+1.5TFO1	64,8	16,3	998,1	199,2	-	-	145,3,2	86,4	30,7	84,1	Acepta r	OK
	A2	A_1.35D+1.5L_E+1.5TFO1	67,0	16,7	998,1	199,2	-	388,1	145,3,2	89,4	43,7	89,8	Acepta r	OK
	A3	A_1.35D+1.5L_E+1.5TFO1	60,8	16,3	998,1	199,2	-	-	145,3,2	81,1	30,7	75,2	Acepta r	OK
	A4	A_1.35D+1.5L_E+1.5TFO1	66,8	16,9	998,1	199,2	-	388,1	145,3,2	89,1	43,7	89,5	Acepta r	OK
	A5	A_1.35D+1.5L_E+1.5TFO1	10,3	17,0	998,1	199,2	-	-	145,3,2	39,2	32,1	28,5	Acepta r	OK
	A6	A_1.35D+1.5L_E+1.5TFO1	64,9	16,9	998,1	199,2	-	388,1	145,3,2	86,5	43,7	85,1	Acepta r	OK
	A7	A_1.35D+1.5L_E+1.5TFO1	0,0	18,7	-	199,2	-	262,5	145,3,2	0,0	64,6	52,0	Acepta r	OK
	A8	A_1.35D+1.5L_E+1.5TFO1	11,5	16,5	998,1	199,2	-	262,5	145,3,2	39,2	64,6	76,5	Acepta r	OK
	A9	A_1.35D+1.5L_E+1.5TFO1	0,0	17,9	-	199,2	-	-	145,3,2	0,0	33,7	11,4	Acepta r	OK
	A10	A_1.35D+1.5L_E+1.5TFO1	45,0	17,1	998,1	199,2	-	388,1	145,3,2	60,0	43,7	53,4	Acepta r	OK

Proyecto:

Proyecto nº:

Autor:



## Datos de diseño

Calidad	$N_{Rd,s}$ [kN]	$V_{Rd,s}$ [kN]
M24 5.6 - 1	75,0	53,0

## Explicación del símbolo

$N_{Ed}$	Fuerza de tracción
$V_{Ed}$	Resultante de las fuerzas cortantes $V_y$ , $V_z$ en el tornillo.
$N_{Rd,c}$	Resistencia de diseño en caso de rotura del cono de hormigón bajo carga de tracción - EN1992-4 - Cl. 7.2.1.4
$N_{Rd,p}$	Resistencia de diseño en caso de falla de extracción - EN1992-4 - Cl. 7.2.1.5
$N_{Rd,cb}$	Resistencia de diseño en caso de falla por explosión del concreto - EN1992-4 - Cl. 7.2.1.8
$V_{Rd,c}$	Resistencia de diseño en caso de rotura del cono de hormigón bajo carga cortante - EN1992-4 - Cl. 7.2.2.5
$V_{Rd,cp}$	Resistencia de diseño en caso de falla de la palanca de concreto - EN1992-4 - Cl. 7.2.2.4
$U_t$	Utilización a tracción
$U_s$	Utilización a cortante
$U_{ts}$	Utilización a tensión y cortante
$N_{Rd,s}$	Diseño de la resistencia a la tracción de un sujetador en caso de falla del acero - EN1992-4 - Cl. 7.2.1.3
$V_{Rd,s}$	Diseño de resistencia al corte en caso de falla del acero - EN1992-4 - Cl. 7.2.2.3.1

## Soldaduras (Redistribución plástica)

Ítem	Borde	Espesor de g. [mm]	Longitud [mm]	Cargas	$\sigma_{w,E}$ [MPa]	$\epsilon_{PI}$ [%]	$\sigma_{\perp}$ [MPa]	$T_{\parallel}$ [MPa]	$T_{\perp}$ [MPa]	$U_t$ [%]	$U_{tc}$ [%]	Estado
BP1	4-bfl 1	▲10,0 ▲	240	A_1.35D+1.5L_E+1.5 TFO1	338,7	0,0	128,8	148,7	102,9	83,7	28,4	OK
		▲10,0 ▲	240	A_1.35D+1.5L_E+1.5 TFO1	332,2	0,0	111,8	-116,9	-137,7	82,1	27,6	OK
BP1	4-tfl 1	▲10,0 ▲	240	A_1.35D+1.5L_E+1.5 TFO1	397,1	0,3	165,8	143,9	150,6	98,1	43,9	OK
		▲10,0 ▲	240	A_1.35D+1.5L_E+1.5 TFO1	397,1	0,3	157,2	-121,5	-171,9	98,1	43,3	OK
BP1	4-w 1	▲10,0 ▲	218	A_1.35D+1.5L_E+1.5 TFO1	71,3	0,0	4,0	-40,6	6,3	17,6	14,1	OK
		▲10,0 ▲	218	A_1.35D+1.5L_E+1.5 TFO1	90,8	0,0	-8,0	50,2	14,3	22,4	16,1	OK
BP1	WID1a	▲7,0▲	200	A_1.35D+1.5L_E+1.5 TFO1	116,3	0,0	-27,9	62,1	-20,0	28,7	20,0	OK
		▲7,0▲	200	A_1.35D+1.5L_E+1.5 TFO1	98,4	0,0	-22,1	-44,5	32,9	24,3	13,4	OK
4-bfl 1	WID1a	▲7,0▲	200	A_1.35D+1.5L_E+1.5 TFO1	59,2	0,0	-29,4	-17,3	-24,1	14,6	10,2	OK
		▲7,0▲	200	A_1.35D+1.5L_E+1.5 TFO1	53,3	0,0	-12,1	22,4	20,0	13,2	7,8	OK
WID 1b	WID1a	▲7,0▲	283	A_1.35D+1.5L_E+1.5 TFO1	63,4	0,0	-5,5	34,1	-12,9	15,7	7,3	OK
		▲7,0▲	283	A_1.35D+1.5L_E+1.5 TFO1	47,5	0,0	-9,8	-26,7	2,3	11,7	6,6	OK

Proyecto:

Proyecto nº:

Autor:

BP1	WID1b	▲7,0▲	240	A_1.35D+1.5L_E+1.5 TFO1	398,5	1,2	-80,2	73,0	-213,2	98,5	48,3	OK
		▲7,0▲	240	A_1.35D+1.5L_E+1.5 TFO1	396,9	0,2	-220,1	-181,5	58,6	98,1	30,3	OK
4-bfl 1	WID1b	▲7,0▲	240	A_1.35D+1.5L_E+1.5 TFO1	396,6	0,0	-37,4	65,2	-218,5	98,0	59,6	OK
		▲7,0▲	240	A_1.35D+1.5L_E+1.5 TFO1	183,1	0,0	-97,5	-41,5	79,3	45,2	28,1	OK
4-bfl 1	RIGIDIZA R1a	▲4,8▲	95	A_1.35D+1.5L_E+1.5 TFO1	142,2	0,0	-49,2	65,6	-40,3	35,1	31,9	OK
		▲4,8▲	95	A_1.35D+1.5L_E+1.5 TFO1	362,7	0,0	-137,5	-127,0	146,4	89,6	72,0	OK
4-w 1	RIGIDIZA R1a	▲4,8▲	164	A_1.35D+1.5L_E+1.5 TFO1	178,2	0,0	-34,0	-95,0	-34,3	44,0	27,3	OK
		▲4,8▲	164	A_1.35D+1.5L_E+1.5 TFO1	174,1	0,0	-25,5	96,2	25,3	43,0	31,9	OK
4-tfl 1	RIGIDIZA R1a	▲4,8▲	95	A_1.35D+1.5L_E+1.5 TFO1	158,7	0,0	-19,9	89,1	-18,0	39,2	15,7	OK
		▲4,8▲	95	A_1.35D+1.5L_E+1.5 TFO1	143,4	0,0	-23,8	-77,5	25,7	35,4	12,0	OK
4-bfl 1	RIGIDIZA R1b	▲4,8▲	95	A_1.35D+1.5L_E+1.5 TFO1	179,7	0,0	-108,0	14,8	-81,6	44,4	25,3	OK
		▲4,8▲	95	A_1.35D+1.5L_E+1.5 TFO1	69,9	0,0	-2,8	-27,9	29,1	17,3	13,5	OK
4-w 1	RIGIDIZA R1b	▲4,8▲	164	A_1.35D+1.5L_E+1.5 TFO1	95,8	0,0	-34,8	-37,0	-35,8	23,7	12,1	OK
		▲4,8▲	164	A_1.35D+1.5L_E+1.5 TFO1	111,9	0,0	-45,5	38,8	44,5	27,6	12,6	OK
4-tfl 1	RIGIDIZA R1b	▲4,8▲	95	A_1.35D+1.5L_E+1.5 TFO1	78,6	0,0	-24,8	36,4	-23,0	19,4	11,6	OK
		▲4,8▲	95	A_1.35D+1.5L_E+1.5 TFO1	88,0	0,0	-24,0	-41,6	25,7	21,8	12,3	OK

## Datos de diseño

	$\beta_w$ [-]	$\sigma_{w,Rd}$ [MPa]	$0.9 \sigma$ [MPa]
S275	0,85	404,7	309,6

## Explicación del símbolo

- $\epsilon_{PI}$  Deformación
- $\sigma_{w,Ed}$  Tensión equivalente
- $\sigma_{w,Rd}$  Resistencia a tensión equivalente
- $\sigma_{\perp}$  Tensión perpendicular
- $\tau_{\parallel}$  Tensión cortante paralela al eje de la soldadura
- $\tau_{\perp}$  Tensión normal perpendicular al eje de la soldadura
- $0.9 \sigma$  Resistencia a tensión perpendicular -  $0.9 \cdot f_u / \gamma_{M2}$
- $\beta_w$  Factor de correlación EN 1993-1-8 tabla. 4.1
- $U_t$  Utilización
- $U_{tc}$  Utilización de la capacidad de la soldadura

Proyecto:

Proyecto nº:

Autor:



## Bloque de hormigón

Ítem	Cargas	c [mm]	A <sub>eff</sub> [mm <sup>2</sup> ]	σ [MPa]	k <sub>j</sub> [-]	F <sub>jd</sub> [MPa]	Ut [%]	Estado
CB 1	A_1.35D+1.5L_E+1.5TFO1	37	21374	19,4	3,00	40,2	48,3	OK

### Explicación del símbolo

- c Anchura del área portante
- A<sub>eff</sub> Área efectiva
- σ Tensión media en el hormigón
- k<sub>j</sub> Factor de concentración
- F<sub>jd</sub> Resistencia portante última del bloque de hormigón
- Ut Utilización

### Pandeo

El análisis de pandeo no se ha calculado.

## Configuración de la norma

Ítem	Valor	Unidad	Referencia
γ <sub>M0</sub>	1,05	-	EN 1993-1-1: 6.1
γ <sub>M1</sub>	1,05	-	EN 1993-1-1: 6.1
γ <sub>M2</sub>	1,25	-	EN 1993-1-1: 6.1
γ <sub>M3</sub>	1,25	-	EN 1993-1-8: 2.2
γ <sub>C</sub>	1,50	-	EN 1992-1-1: 2.4.2.4
γ <sub>Inst</sub>	1,20	-	EN 1992-4: Table 4.1
Coeficiente de unión β <sub>j</sub>	0,67	-	EN 1993-1-8: 6.2.5
Área efectiva - influencia del tamaño de la malla	0,10	-	
Coeficiente de fricción - hormigón	0,25	-	EN 1993-1-8
Coeficiente de fricción en la resistencia a deslizamiento	0,30	-	EN 1993-1-8 Pestaña 3.7
Deformación plástica límite	0,05	-	EN 1993-1-5
Evaluación de la tensión de la soldadura	Redistribución plástica		
Detallado	Sí		
Distancia entre tornillos [d]	2,20	-	EN 1993-1-8: Pestaña 3.3
Distancia entre tornillos y el borde [d]	1,20	-	EN 1993-1-8: Pestaña 3.3
Resistencia al arrancamiento del cono de hormigón	Ambos		EN 1992-4: 7.2.1.4 and 7.2.2.5
Utilizar σ <sub>b</sub> calculada en la verificación por aplastamiento.	Sí		EN 1993-1-8: Pestaña 3.4
Hormigón fisurado	No		EN 1992-4
Comprobación de la deformación local	No		CIDECT DG 1, 3 - 1.1
Deformación límite local	0,03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas
Sistema arriostrado	No		EN 1993-1-8: 5.2.2.5

Proyecto:

Proyecto nº:

Autor:



## Datos del proyecto

Nombre del proyecto

Número del Proyecto

Autor

Descripción

Fecha 04/01/2021

Normativa de cálculo EN

## Material

Acero S275, S 275

Hormigón C30/37, C25/30

## Ítem del proyecto 14

### Diseño

Nombre 14

Descripción PB\_HEA320

Análisis Tensión, deformación/ Carga simplificada

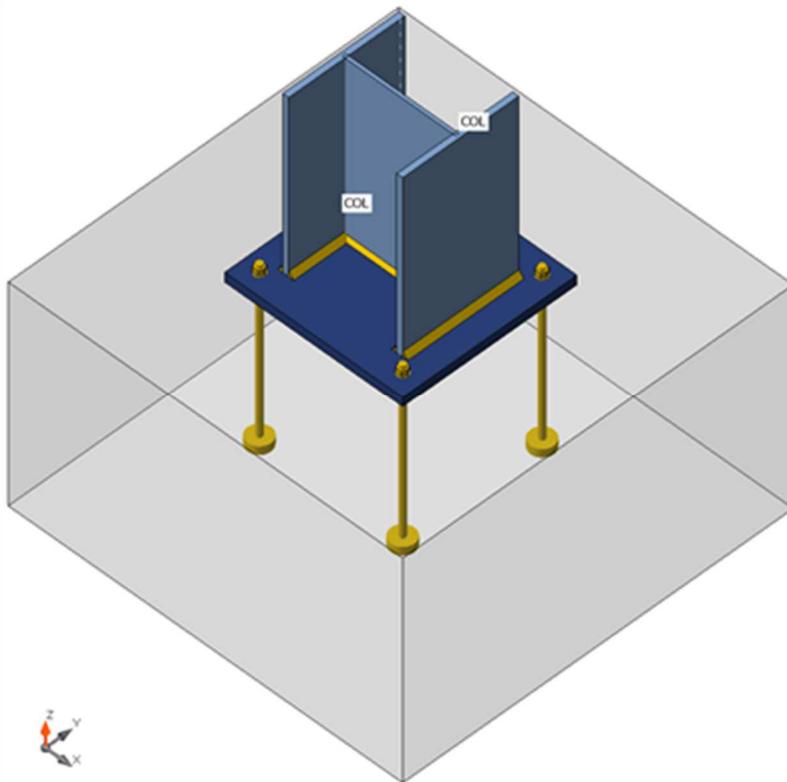
### Elementos estructurales

Nombre	Sección transversal	$\beta$ - Dirección [°]	$\gamma$ - Inclinación [°]	$\alpha$ - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]	Fuerzas en
COL	15 - CON1(HEA320)	0,0	-90,0	0,0	0	0	0	Nodo

Proyecto:

Proyecto nº:

Autor:



## Secciones

Nombre	Material
15 - CON1(HEA320)	S 275

## Anclajes

Nombre	Conjunto de tornillo	Diámetro [mm]	fu [MPa]	Área bruta [mm <sup>2</sup> ]
M16 8.8	M16 8.8	16	800,0	201

## Cargas (No se requiere el equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	COL	-247,1	0,0	-20,7	0,0	0,0	0,0
LE2	COL	-326,4	0,0	-15,2	0,0	0,0	0,0

## Bloque de la cimentación

Ítem	Valor	Unidad
<b>CB 1</b>		
Dimensiones	1009 x 1019	mm
Profundidad	584	mm
Anclaje	M16 8.8	
Longitud del anclaje	400	mm
Transferencia de la fuerza cortante	Fricción	

Proyecto:

Proyecto nº:

Autor:

## Verificación

### Resumen

Nombre	Valor	Estado
Análisis	100,0%	OK
Placas	0,0 < 5,0%	OK
Anclajes	0,0 < 100%	OK
Soldaduras	16,8 < 100%	OK
Bloque de hormigón	10,8 < 100%	OK
Cortante	33,4 < 100%	OK
Pandeo	No calculado	

### Placas

Nombre	Espesor [mm]	Cargas	$\sigma_{Ed}$ [MPa]	$\epsilon_{PI}$ [%]	$\sigma_{CEd}$ [MPa]	Estado
COL-bfl 1	15,5	LE2	40,3	0,0	0,0	OK
COL-tfl 1	15,5	LE2	41,3	0,0	0,0	OK
COL-w 1	9,0	LE2	37,3	0,0	0,0	OK
BP1	25,0	LE2	32,1	0,0	0,0	OK

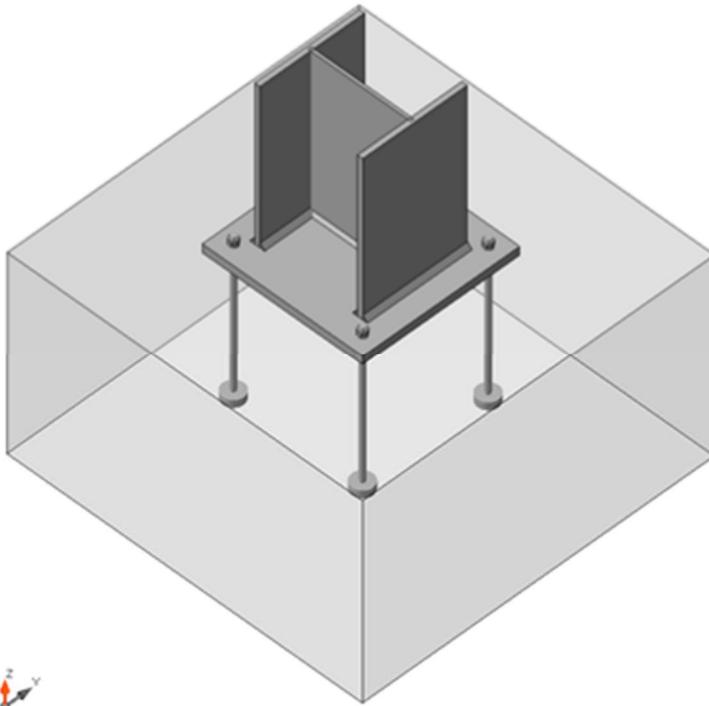
### Datos de diseño

Material	$f_y$ [MPa]	$\epsilon_{lim}$ [%]
S 275	275,0	5,0

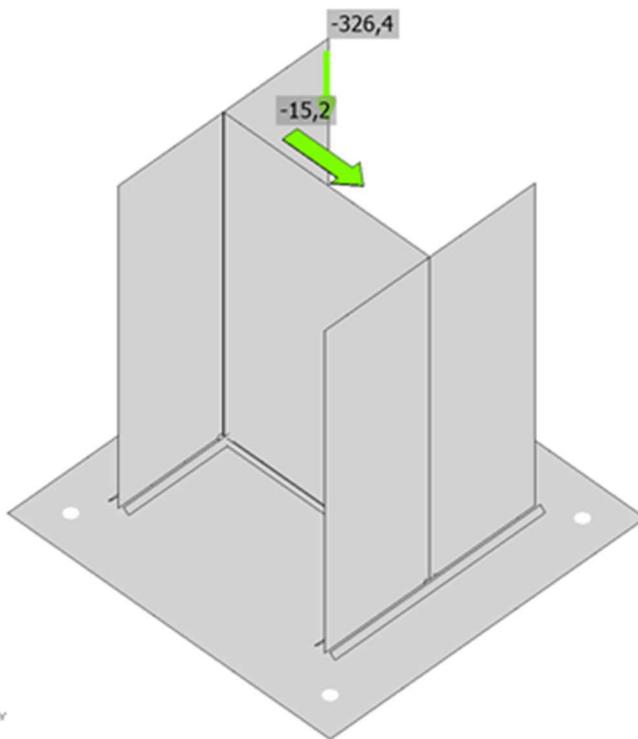
### Explicación del símbolo

- $\epsilon_{PI}$  Deformación
- $\sigma_{Ed}$  Ec. tensión
- $\sigma_{CEd}$  Tensiones de Contacto
- $f_y$  Límite elástico
- $\epsilon_{lim}$  Límite de la deformación plástica

Proyecto:  
Proyecto nº:  
Autor:



Verificación general, LE2



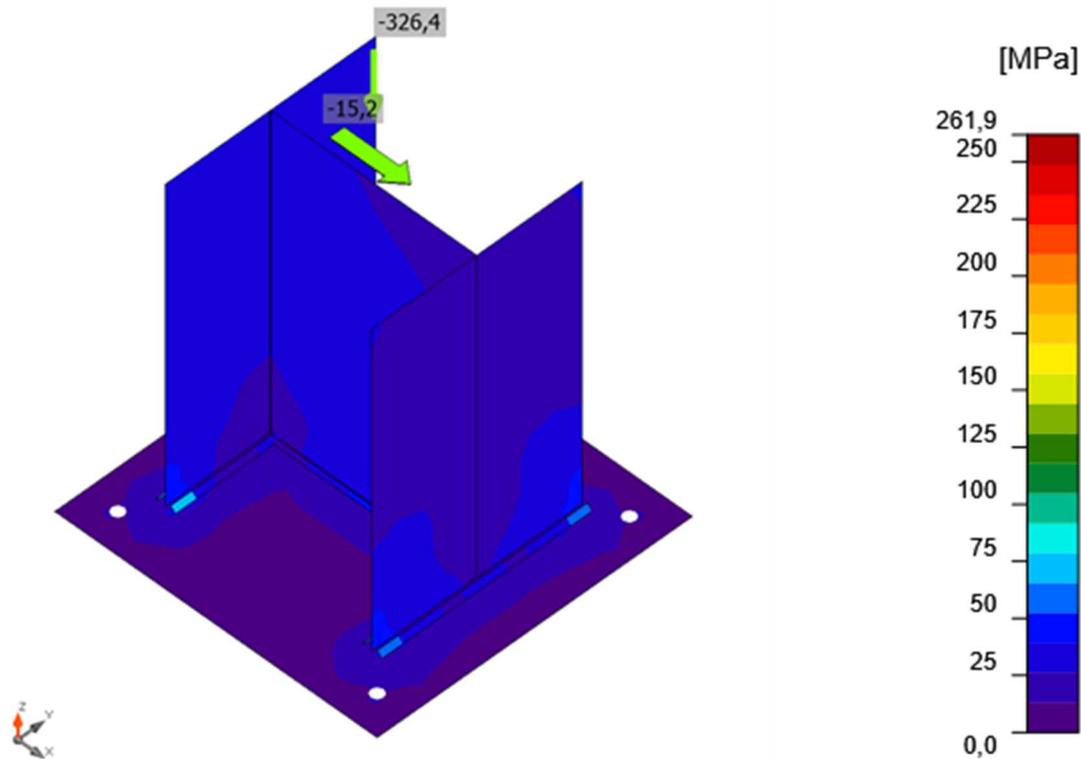
Verificación de deformación, LE2



Proyecto:

Proyecto n°:

Autor:



Tensión equivalente, LE2

## Anclajes

Forma	Ítem	Cargas	$N_{Ed}$ [kN]	$V_{Ed}$ [kN]	$N_{Rd,p}$ [kN]	$V_{Rd,cp}$ [kN]	$U_{t,t}$ [%]	$U_{t,s}$ [%]	$U_{t,ts}$ [%]	Detallado	Estado
	A1	LE2	0,0	0,0	383,0	656,4	0,0	0,0	0,0	Aceptar	OK
	A2	LE2	0,0	0,0	383,0	656,4	0,0	0,0	0,0	Aceptar	OK
	A3	LE2	0,0	0,0	383,0	656,4	0,0	0,0	0,0	Aceptar	OK
	A4	LE2	0,0	0,0	383,0	656,4	0,0	0,0	0,0	Aceptar	OK

## Datos de diseño

Calidad	$N_{Rd,s}$ [kN]	$V_{Rd,s}$ [kN]
M16 8.8 - 1	71,2	50,2

## Explicación del símbolo

- $N_{Ed}$  Fuerza de tracción
- $V_{Ed}$  Resultante de las fuerzas cortantes  $V_y$ ,  $V_z$  en el tornillo.
- $N_{Rd,p}$  Resistencia de diseño en caso de falla de extracción - EN1992-4 - Cl. 7.2.1.5
- $V_{Rd,cp}$  Resistencia de diseño en caso de falla de la palanca de concreto - EN1992-4 - Cl. 7.2.2.4
- $U_{t,t}$  Utilización a tracción
- $U_{t,s}$  Utilización a cortante
- $U_{t,ts}$  Utilización a tensión y cortante
- $N_{Rd,s}$  Diseño de la resistencia a la tracción de un sujetador en caso de falla del acero - EN1992-4 - Cl. 7.2.1.3
- $V_{Rd,s}$  Diseño de resistencia al corte en caso de falla del acero - EN1992-4 - Cl.7.2.2.3.1

Proyecto:

Proyecto nº:

Autor:

## Soldaduras (Redistribución plástica)

Ítem	Borde	Espesor de g. [mm]	Longitud [mm]	Cargas	$\sigma_{w,Ed}$ [MPa]	$\epsilon_{PI}$ [%]	$\sigma_{\perp}$ [MPa]	$T_{\parallel}$ [MPa]	$T_{\perp}$ [MPa]	Ut [%]	Ut <sub>c</sub> [%]	Estado
BP1	COL-bfl 1	▲9,5▲	300	LE2	64,9	0,0	-27,0	-22,4	-25,7	16,0	8,3	OK
		▲9,5▲	300	LE2	65,3	0,0	-26,2	20,9	27,5	16,1	9,0	OK
BP1	COL-tfl 1	▲9,5▲	300	LE2	66,1	0,0	-26,4	-21,1	-27,8	16,3	8,9	OK
		▲9,5▲	300	LE2	68,0	0,0	-28,4	23,2	27,0	16,8	8,8	OK
BP1	COL-w 1	▲6,4▲	295	LE2	41,3	0,0	-20,2	-4,5	-20,2	10,2	7,0	OK
		▲6,4▲	295	LE2	41,3	0,0	-20,2	4,6	20,2	10,2	7,0	OK

### Datos de diseño

	$\beta_w$ [-]	$\sigma_{w,Rd}$ [MPa]	0.9 $\sigma$ [MPa]
S 275	0,85	404,7	309,6

### Explicación del símbolo

- $\epsilon_{PI}$  Deformación
- $\sigma_{w,Ed}$  Tensión equivalente
- $\sigma_{w,Rd}$  Resistencia a tensión equivalente
- $\sigma_{\perp}$  Tensión perpendicular
- $T_{\parallel}$  Tensión cortante paralela al eje de la soldadura
- $T_{\perp}$  Tensión normal perpendicular al eje de la soldadura
- 0.9  $\sigma$  Resistencia a tensión perpendicular - 0.9\*fu/γM2
- $\beta_w$  Factor de correlación EN 1993-1-8 tabla. 4.1
- Ut Utilización
- Ut<sub>c</sub> Utilización de la capacidad de la soldadura

### Bloque de hormigón

Ítem	Cargas	c [mm]	A <sub>eff</sub> [mm <sup>2</sup> ]	$\sigma$ [MPa]	k <sub>j</sub> [-]	F <sub>jd</sub> [MPa]	Ut [%]	Estado
CB 1	LE2	40	90578	3,6	3,00	33,5	10,8	OK

### Explicación del símbolo

- c Anchura del área portante
- A<sub>eff</sub> Área efectiva
- $\sigma$  Tensión media en el hormigón
- k<sub>j</sub> Factor de concentración
- F<sub>jd</sub> Resistencia portante última del bloque de hormigón
- Ut Utilización

### Cortante en el plano de contacto

Nombre	Cargas	V <sub>y</sub> [kN]	V <sub>z</sub> [kN]	V <sub>Rd,y</sub> [kN]	V <sub>Rd,z</sub> [kN]	V <sub>c,Rd</sub> [kN]	Ut [%]	Estado
BP1	LE1	0,0	-20,7	62,0	62,0	0,0	33,4	OK

Proyecto:

Proyecto nº:

Autor:



## Explicación del símbolo

$V_y$	Cortante en la placa base $V_y$
$V_z$	Cortante en la placa base $V_z$
$V_{Rd,y}$	Resistencia a cortante
$V_{Rd,z}$	Resistencia a cortante
$V_{c,Rd}$	Resistencia del apoyo de hormigón
$U_t$	Utilización

## Pandeo

El análisis de pandeo no se ha calculado.

## Configuración de la norma

Ítem	Valor	Unidad	Referencia
$Y_{M0}$	1,05	-	EN 1993-1-1: 6.1
$Y_{M1}$	1,05	-	EN 1993-1-1: 6.1
$Y_{M2}$	1,25	-	EN 1993-1-1: 6.1
$Y_{M3}$	1,25	-	EN 1993-1-8: 2.2
$Y_C$	1,50	-	EN 1992-1-1: 2.4.2.4
$Y_{Inst}$	1,20	-	EN 1992-4: Table 4.1
Coefficiente de unión $\beta_j$	0,67	-	EN 1993-1-8: 6.2.5
Área efectiva - influencia del tamaño de la malla	0,10	-	
Coefficiente de fricción - hormigón	0,25	-	EN 1993-1-8
Coefficiente de fricción en la resistencia a deslizamiento	0,30	-	EN 1993-1-8 Pestaña 3.7
Deformación plástica límite	0,05	-	EN 1993-1-5
Evaluación de la tensión de la soldadura	Redistribución plástica		
Detallado	Sí		
Distancia entre tornillos [d]	2,20	-	EN 1993-1-8: Pestaña 3.3
Distancia entre tornillos y el borde [d]	1,20	-	EN 1993-1-8: Pestaña 3.3
Resistencia al arrancamiento del cono de hormigón	Ambos		EN 1992-4: 7.2.1.4 and 7.2.2.5
Utilizar $\alpha_b$ calculada en la verificación por aplastamiento.	Sí		EN 1993-1-8: Pestaña 3.4
Hormigón fisurado	No		EN 1992-4
Comprobación de la deformación local	No		CIDECT DG 1, 3 - 1.1
Deformación límite local	0,03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas
Sistema arriostrado	No		EN 1993-1-8: 5.2.2.5

Proyecto:

Proyecto nº:

Autor:



## Datos del proyecto

Nombre del proyecto

Número del Proyecto

Autor

Descripción

Fecha 11/01/2021

Normativa de cálculo EN

## Material

Acero S275

Hormigón C30/37

## Ítem del proyecto 127

### Diseño

Nombre 127

Descripción esla126

Análisis Tensión, deformación/ Cargas en equilibrio

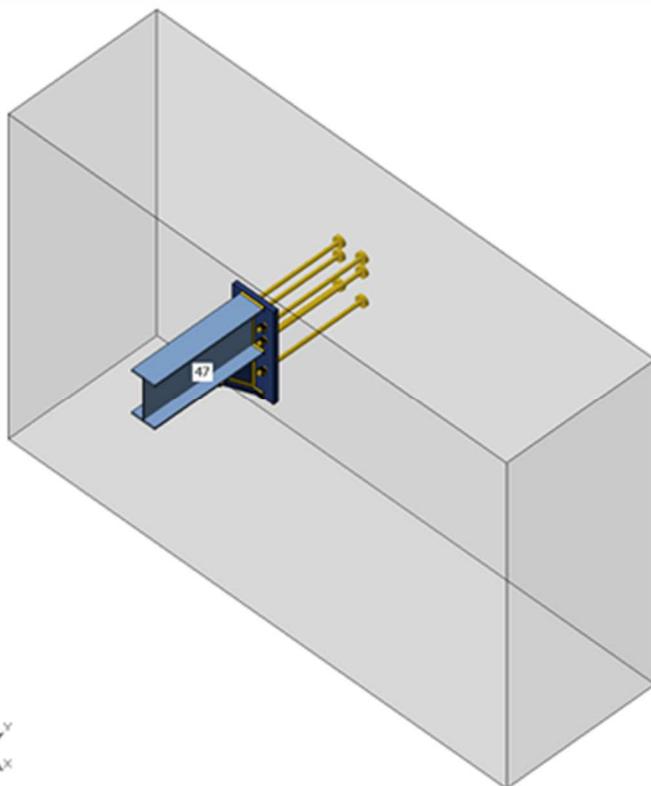
### Elementos estructurales

Nombre	Sección transversal	$\beta$ - Dirección [°]	$\gamma$ - Inclinación [°]	$\alpha$ - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]	Fuerzas en
47	6 - IPE200	0.0	0.0	0.0	0	0	0	Posición

Proyecto:

Proyecto n°:

Autor:



## Secciones

Nombre	Material
6 - IPE200	S275

## Anclajes

Nombre	Conjunto de tornillo	Diámetro [mm]	fu [MPa]	Área bruta [mm <sup>2</sup> ]
M16 5.6	M16 5.6	16	500.0	201

## Cargas (Fuerzas en equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
A_1.35D+1.5TFCO_1	47	0.0	0.1	-5.2	0.0	-4.7	-0.1
A_1.35D+1.5TFCO_2	47	0.0	0.1	-5.2	0.0	-4.7	-0.1
A_1.35D+1.5L_E+1.5TFO1	47	0.0	0.1	-32.2	0.0	-29.1	-0.2
A_1.35D+1.5L_E+1.5TFO2	47	0.0	0.1	-32.2	0.0	-29.1	-0.2
A_1.35D+1.5L_E	47	0.0	0.1	-32.2	0.0	-29.1	-0.2

## Bloque de la cimentación

Ítem	Valor	Unidad
<b>CB 1</b>		
Dimensiones	2180 x 1435	mm
Profundidad	650	mm
Anclaje	M16 5.6	

Proyecto:

Proyecto nº:

Autor:

Longitud del anclaje	400	mm
Transferencia de la fuerza cortante	Anclajes	

## Verificación

### Resumen

Nombre	Valor	Estado
Análisis	100.0%	OK
Placas	0.0 < 5.0%	OK
Anclajes	89.7 < 100%	OK
Soldaduras	73.4 < 100%	OK
Bloque de hormigón	23.6 < 100%	OK
Pandeo	No calculado	

### Placas

Nombre	Espesor [mm]	Cargas	$\sigma_{Ed}$ [MPa]	$\epsilon_{Pl}$ [%]	$\sigma_{CEd}$ [MPa]	Estado
47-bfl 1	8.5	A_1.35D+1.5L_E+1.5TFO2	208.2	0.0	0.0	OK
47-tfl 1	8.5	A_1.35D+1.5L_E+1.5TFO2	116.7	0.0	0.0	OK
47-w 1	5.6	A_1.35D+1.5L_E+1.5TFO2	225.4	0.0	0.0	OK
BP1	20.0	A_1.35D+1.5L_E+1.5TFO2	163.2	0.0	0.0	OK
WID1a	5.6	A_1.35D+1.5L_E+1.5TFO2	157.6	0.0	0.0	OK
WID1b	9.0	A_1.35D+1.5L_E+1.5TFO2	161.4	0.0	0.0	OK

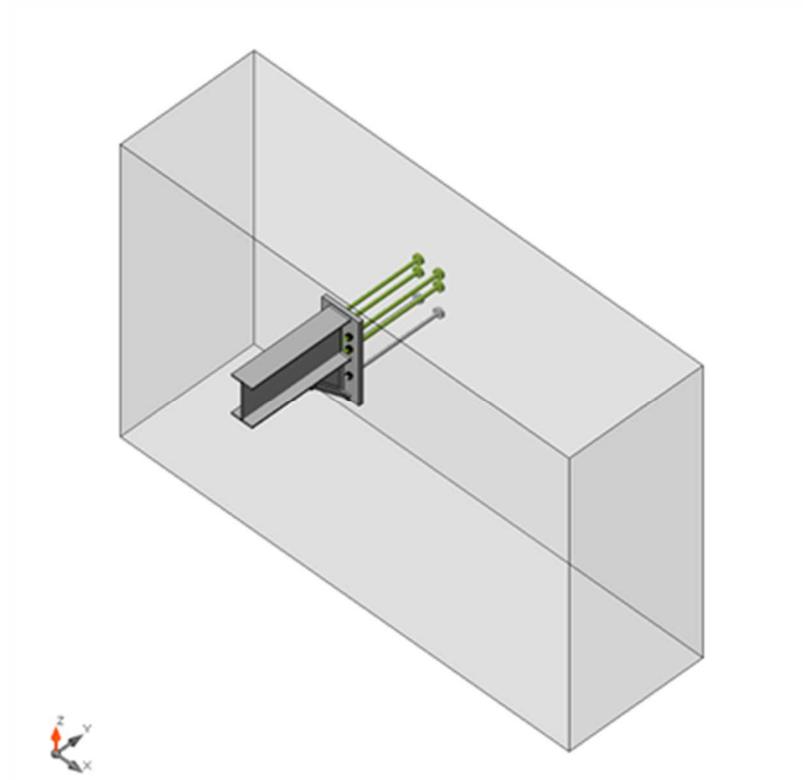
### Datos de diseño

Material	$f_y$ [MPa]	$\epsilon_{lim}$ [%]
S275	275.0	5.0

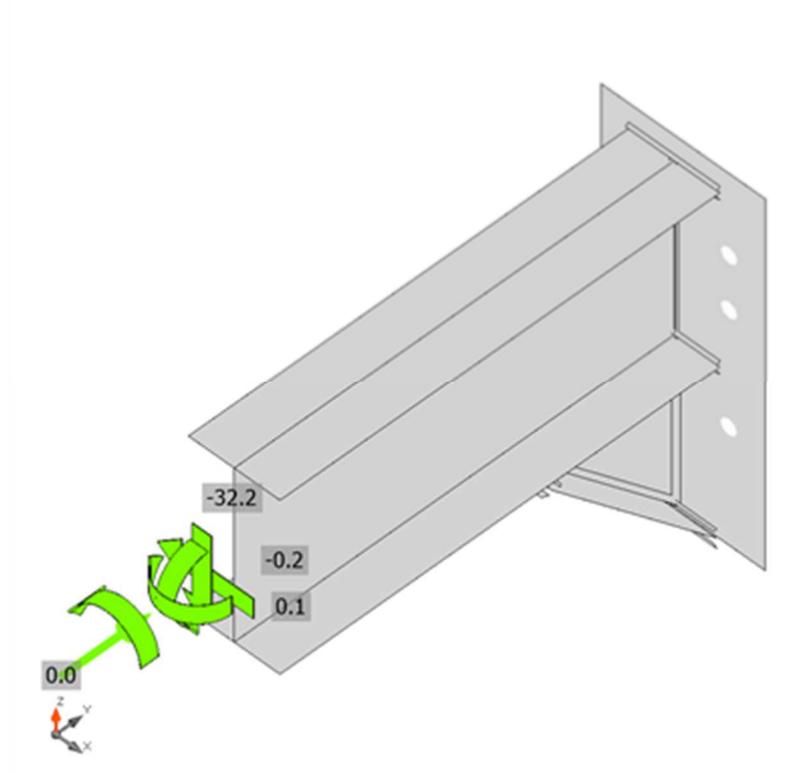
### Explicación del símbolo

- $\epsilon_{Pl}$  Deformación
- $\sigma_{Ed}$  Ec. tensión
- $\sigma_{CEd}$  Contact stress
- $f_y$  Límite elástico
- $\epsilon_{lim}$  Límite de la deformación plástica

Proyecto:  
Proyecto n°:  
Autor:



Verificación general, A\_1.35D+1.5L\_E+1.5TFO2



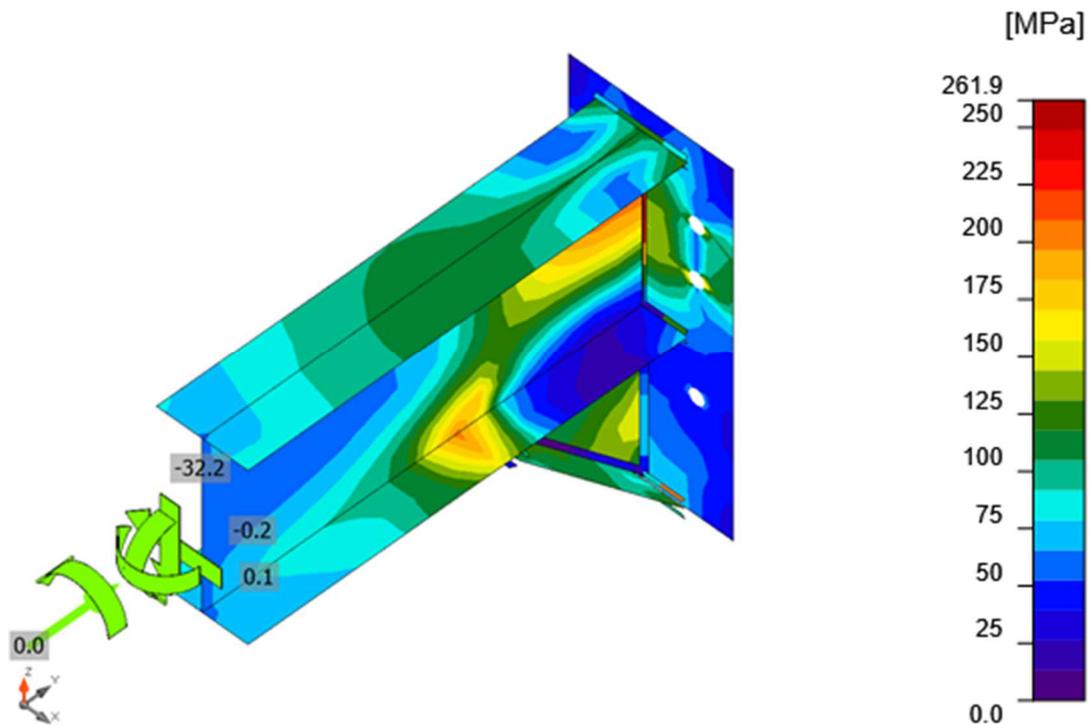
Verificación de deformación, A\_1.35D+1.5L\_E+1.5TFO2



Proyecto:

Proyecto n°:

Autor:



Tensión equivalente, A\_1.35D+1.5L\_E+1.5TFO2

## Anclajes

Forma	Ítem	Cargas	N <sub>Ed</sub> [kN]	V <sub>Ed</sub> [kN]	N <sub>Rd,c</sub> [kN]	N <sub>Rd,p</sub> [kN]	N <sub>Rd,cb</sub> [kN]	V <sub>Rd,c</sub> [kN]	V <sub>Rd,cp</sub> [kN]	U <sub>t</sub> [%]	U <sub>s</sub> [%]	U <sub>t</sub> <sup>s</sup> [%]	Estado
	A1	A_1.35D+1.5L_E+1.5TFO2	29.7	4.9	163.6	243.1	256.4	-	459.2	89.1	20.9	83.8	OK
	A2	A_1.35D+1.5L_E+1.5TFO2	29.9	4.9	163.6	243.1	256.4	187.7	459.2	89.7	20.9	84.8	OK
	A3	A_1.35D+1.5L_E+1.5TFO2	0.0	6.0	-	243.1	-	197.3	459.2	0.0	25.5	6.6	OK
	A4	A_1.35D+1.5L_E+1.5TFO2	0.0	6.0	-	243.1	-	187.7	459.2	0.0	25.4	7.1	OK
	A5	A_1.35D+1.5L_E+1.5TFO2	28.5	5.2	163.6	243.1	-	-	459.2	85.4	22.2	77.8	OK
	A6	A_1.35D+1.5L_E+1.5TFO2	29.0	5.2	163.6	243.1	-	187.7	459.2	86.8	22.1	80.2	OK

## Datos de diseño

Calidad	N <sub>Rd,s</sub> [kN]	V <sub>Rd,s</sub> [kN]
M16 5.6 - 1	33.4	23.6

## Explicación del símbolo

N<sub>Ed</sub> Fuerza de tracción

V<sub>Ed</sub> Resultante de las fuerzas cortantes V<sub>y</sub>, V<sub>z</sub> en el tornillo.

Proyecto:

Proyecto nº:



Autor:

- $N_{Rd,c}$  Design resistance in case of concrete cone failure under tension load - EN1992-4 - Cl. 7.2.1.4
- $N_{Rd,p}$  Design resistance in case of pull-out failure - EN1992-4 - Cl. 7.2.1.5
- $N_{Rd,cb}$  Design resistance in case of concrete blow-out failure - EN1992-4 - Cl. 7.2.1.8
- $V_{Rd,c}$  Design resistance in case of concrete cone failure under shear load - EN1992-4 - Cl. 7.2.2.5
- $V_{Rd,cp}$  Design resistance in case of concrete pryout failure - EN1992-4 - Cl. 7.2.2.4
- $U_t$  Utilización a tracción
- $U_s$  Utilización a cortante
- $U_{ts}$  Utilización a tensión y cortante
- $N_{Rd,s}$  Design tensile resistance of a fastener in case of steel failure - EN1992-4 - Cl. 7.2.1.3
- $V_{Rd,s}$  Design shear resistance in case of steel failure - EN1992-4 - Cl.7.2.2.3.1

### Soldaduras (Redistribución plástica)

Ítem	Borde	Espesor de g. [mm]	Longitud [mm]	Cargas	$\sigma_{w,Ed}$ [MPa]	$\epsilon_{pl}$ [%]	$\sigma_{\perp}$ [MPa]	$T_{\parallel}$ [MPa]	$T_{\perp}$ [MPa]	$U_t$ [%]	$U_c$ [%]	Estado
BP1	47-bfl1	4.3	100	A_1.35D+1.5L_E	121.6	0.0	45.9	60.1	24.7	30.0	17.0	OK
		4.3	100	A_1.35D+1.5L_E+1.5TFO1	87.5	0.0	15.3	-33.8	-36.5	21.6	19.9	OK
BP1	47-tfl1	4.3	100	A_1.35D+1.5L_E+1.5TFO1	128.2	0.0	-34.7	-62.7	-34.0	31.7	24.4	OK
		4.3	100	A_1.35D+1.5L_E+1.5TFO1	153.8	0.0	72.0	-68.5	-38.3	38.0	22.1	OK
BP1	47-w1	2.8	192	A_1.35D+1.5L_E+1.5TFO2	244.5	0.0	94.0	-89.9	94.3	60.4	42.9	OK
		2.8	192	A_1.35D+1.5L_E+1.5TFO2	250.6	0.0	94.8	95.0	-94.5	61.9	43.9	OK
BP1	WID1a	7.0	180	A_1.35D+1.5L_E+1.5TFO2	75.8	0.0	-31.5	25.1	-30.9	18.7	13.5	OK
		7.0	180	A_1.35D+1.5L_E+1.5TFO2	75.2	0.0	-30.3	-25.0	30.9	18.6	12.9	OK
47-bfl1	WID1a	7.0	180	A_1.35D+1.5L_E+1.5TFO2	63.7	0.0	-26.4	-20.7	-26.3	15.7	9.5	OK
		7.0	180	A_1.35D+1.5L_E+1.5TFO2	64.4	0.0	-26.2	21.6	26.3	15.9	9.4	OK
WID1b	WID1a	7.0	255	A_1.35D+1.5L_E+1.5TFO2	47.8	0.0	-3.6	27.2	-3.9	11.8	5.9	OK
		7.0	255	A_1.35D+1.5L_E+1.5TFO2	46.6	0.0	-3.4	-26.7	3.1	11.5	5.8	OK
BP1	WID1b	7.0	100	A_1.35D+1.5L_E+1.5TFO2	237.6	0.0	-28.8	80.0	-110.2	58.7	38.4	OK
		7.0	100	A_1.35D+1.5L_E+1.5TFO2	119.7	0.0	-45.2	-54.3	33.8	29.6	19.0	OK
47-bfl1	WID1b	7.0	100	A_1.35D+1.5L_E+1.5TFO2	297.3	0.0	-57.6	55.4	-159.0	73.4	49.2	OK
		7.0	100	A_1.35D+1.5L_E+1.5TFO2	134.7	0.0	-68.6	-27.1	61.2	33.3	21.3	OK

### Datos de diseño

	$\beta_w$ [-]	$\sigma_{w,Rd}$ [MPa]	$0.9 \sigma$ [MPa]
S275	0.85	404.7	309.6

Proyecto:

Proyecto nº:

Autor:

## Explicación del símbolo

$\epsilon_{PI}$	Deformación
$\sigma_{w,Ed}$	Tensión equivalente
$\sigma_{w,Rd}$	Resistencia a tensión equivalente
$\sigma_{\perp}$	Tensión perpendicular
$\tau_{\parallel}$	Tensión cortante paralela al eje de la soldadura
$\tau_{\perp}$	Tensión normal perpendicular al eje de la soldadura
$0.9 \sigma$	Resistencia a tensión perpendicular - $0.9 \cdot f_u / \gamma_{M2}$
$\beta_w$	Factor de correlación EN 1993-1-8 tabla. 4.1
Ut	Utilización
Utc	Utilización de la capacidad de la soldadura

## Bloque de hormigón

Ítem	Cargas	c [mm]	A <sub>eff</sub> [mm <sup>2</sup> ]	$\sigma$ [MPa]	k <sub>j</sub> [-]	F <sub>jd</sub> [MPa]	Ut [%]	Estado
CB 1	A_1.35D+1.5L_E+1.5TFO2	29	13168	9.0	2.83	38.0	23.6	OK

## Explicación del símbolo

c	Anchura del área portante
A <sub>eff</sub>	Área efectiva
$\sigma$	Tensión media en el hormigón
k <sub>j</sub>	Factor de concentración
F <sub>jd</sub>	Resistencia portante última del bloque de hormigón
Ut	Utilización

## Pandeo

El análisis de pandeo no se ha calculado.

## Configuración de la norma

Ítem	Valor	Unidad	Referencia
YM0	1.05	-	EN 1993-1-1: 6.1
YM1	1.05	-	EN 1993-1-1: 6.1
YM2	1.25	-	EN 1993-1-1: 6.1
YM3	1.25	-	EN 1993-1-8: 2.2
YC	1.50	-	EN 1992-1-1: 2.4.2.4
YInst	1.20	-	EN 1992-4: Table 4.1
Coeficiente de unión $\beta_j$	0.67	-	EN 1993-1-8: 6.2.5
Área efectiva - influencia del tamaño de la malla	0.10	-	
Coeficiente de fricción - hormigón	0.25	-	EN 1993-1-8
Coeficiente de fricción en la resistencia a deslizamiento	0.30	-	EN 1993-1-8 Pestaña 3.7
Deformación plástica límite	0.05	-	EN 1993-1-5
Evaluación de la tensión de la soldadura	Redistribución plástica		
Detallado	No		
Distancia entre tornillos [d]	2.20	-	EN 1993-1-8: Pestaña 3.3

Proyecto:

Proyecto nº:

Autor:



Distancia entre tornillos y el borde [d]	1.20	-	EN 1993-1-8: Pestaña 3.3
Resistencia al arrancamiento del cono de hormigón	Both		EN 1992-4: 7.2.1.4 and 7.2.2.5
Utilizar $\alpha_b$ calculada en la verificación por aplastamiento.	Sí		EN 1993-1-8: Pestaña 3.4
Hormigón fisurado	No		EN 1992-4
Comprobación de la deformación local	No		CIDECT DG 1, 3 - 1.1
Deformación límite local	0.03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas
Sistema arriostrado	No		EN 1993-1-8: 5.2.2.5

Proyecto:

Proyecto nº:

Autor:



## Datos del proyecto

Nombre del proyecto

Número del Proyecto

Autor

Descripción

Fecha 11/01/2021

Normativa de cálculo EN

## Material

Acero S275

Hormigón C30/37

## Ítem del proyecto 44

### Diseño

Nombre 44

Descripción

Análisis Tensión, deformación/ Cargas en equilibrio

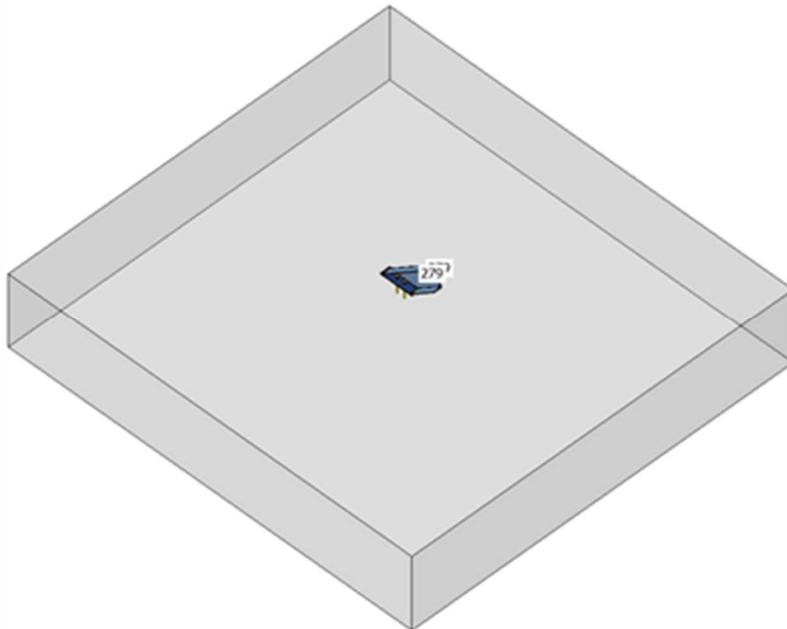
### Elementos estructurales

Nombre	Sección transversal	$\beta$ - Dirección [°]	$\gamma$ - Inclinación [°]	$\alpha$ - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]	Fuerzas en
279	9 - UPE200	0.0	0.0	0.0	0	0	0	Posición

Proyecto:

Proyecto n°:

Autor:



## Secciones

Nombre	Material
9 - UPE200	S275

## Anclajes

Nombre	Conjunto de tornillo	Diámetro [mm]	fu [MPa]	Área bruta [mm²]
M16 5.6	M16 5.6	16	500.0	201

## Cargas (Fuerzas en equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
A_1.35D+1.5TFCO_1	279	7.9	0.0	-1.4	0.0	0.0	0.0
A_1.35D+1.5TFCO_2	279	7.9	0.0	-1.4	0.0	0.0	0.0
A_1.35D+1.5L_E+1.5TFO1	279	43.9	0.0	-9.3	0.1	0.0	0.0
A_1.35D+1.5L_E+1.5TFO2	279	43.8	0.0	-9.3	0.1	0.0	0.0
A_1.35D+1.5L_E	279	43.8	0.0	-9.3	0.1	0.0	0.0

## Bloque de la cimentación

Ítem	Valor	Unidad
<b>CB 1</b>		
Dimensiones	4100 x 4340	mm
Profundidad	800	mm
Anclaje	M16 5.6	

Proyecto:

Proyecto n°:

Autor:

Longitud del anclaje	150	mm
Transferencia de la fuerza cortante	Anclajes	

## Verificación

### Resumen

Nombre	Valor	Estado
Análisis	100.0%	OK
Placas	0.0 < 5.0%	OK
Anclajes	63.3 < 100%	OK
Soldaduras	23.3 < 100%	OK
Bloque de hormigón	5.8 < 100%	OK
Pandeo	No calculado	

### Placas

Nombre	Espesor [mm]	Cargas	$\sigma_{Ed}$ [MPa]	$\epsilon_{pl}$ [%]	$\sigma_{CEd}$ [MPa]	Estado
279-bfl 1	11.0	A_1.35D+1.5L_E+1.5TFO1	28.8	0.0	0.0	OK
279-tfl 1	11.0	A_1.35D+1.5L_E+1.5TFO1	55.9	0.0	0.0	OK
279-w 1	6.0	A_1.35D+1.5L_E+1.5TFO1	54.8	0.0	0.0	OK
BP1	10.0	A_1.35D+1.5L_E+1.5TFO1	76.5	0.0	0.0	OK

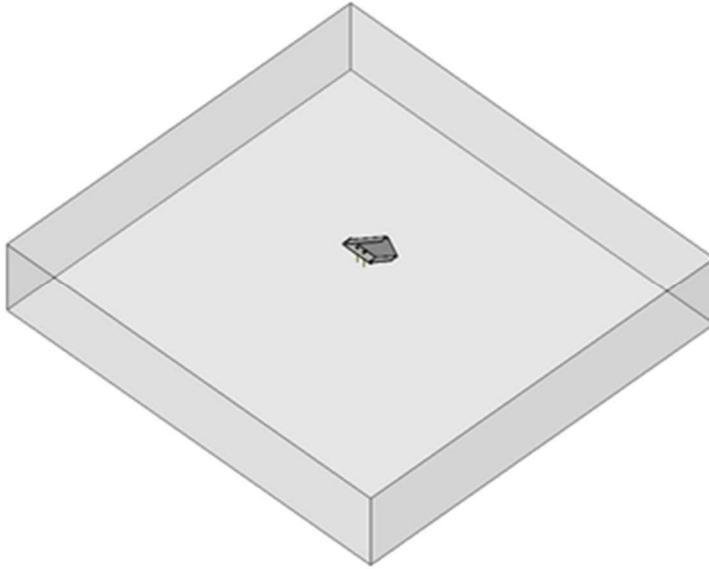
### Datos de diseño

Material	$f_y$ [MPa]	$\epsilon_{lim}$ [%]
S275	275.0	5.0

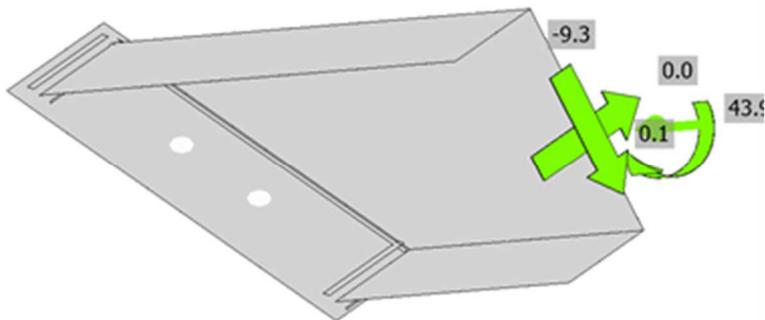
### Explicación del símbolo

- $\epsilon_{pl}$  Deformación
- $\sigma_{Ed}$  Ec. tensión
- $\sigma_{CEd}$  Contact stress
- $f_y$  Límite elástico
- $\epsilon_{lim}$  Límite de la deformación plástica

Proyecto:  
Proyecto nº:  
Autor:



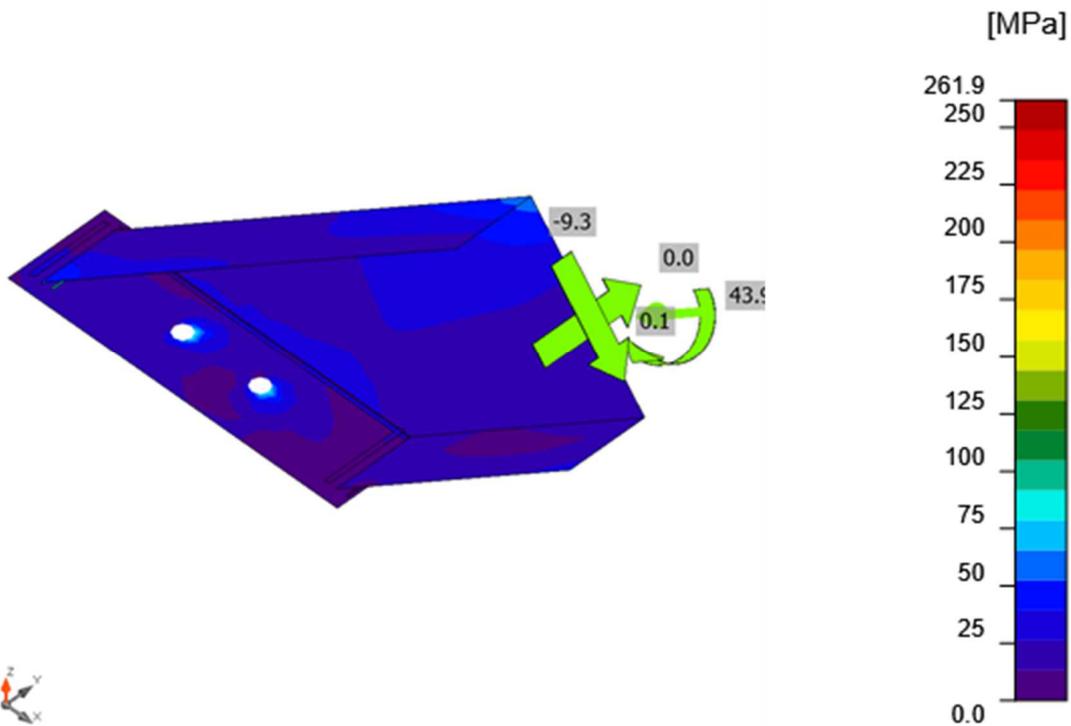
Verificación general, A\_1.35D+1.5L\_E+1.5TFO1



Verificación de deformación, A\_1.35D+1.5L\_E+1.5TFO1



Proyecto:  
 Proyecto nº:  
 Autor:



Tensión equivalente, A\_1.35D+1.5L\_E+1.5TFO1

### Anclajes

Forma	Ítem	Cargas	$N_{Ed}$ [kN]	$V_{Ed}$ [kN]	$N_{Rd,c}$ [kN]	$V_{Rd,c}$ [kN]	$V_{Rd,c}^p$ [kN]	$U_t$ [%]	$U_s$ [%]	$U_{ts}$ [%]	Estado
	A5	A_1.35D+1.5L_E+1.5TFO1	0.1	14.9	119.7	-	173.1	0.3	63.3	40.1	OK
	A6	A_1.35D+1.5L_E+1.5TFO1	0.3	14.9	119.7	373.4	173.1	0.8	63.1	39.8	OK

### Datos de diseño

Calidad	$N_{Rd,s}$ [kN]	$V_{Rd,s}$ [kN]
M16 5.6 - 1	33.4	23.6

### Explicación del símbolo

- $N_{Ed}$  Fuerza de tracción
- $V_{Ed}$  Resultante de las fuerzas cortantes  $V_y, V_z$  en el tornillo.
- $N_{Rd,c}$  Design resistance in case of concrete cone failure under tension load - EN1992-4 - Cl. 7.2.1.4
- $V_{Rd,c}$  Design resistance in case of concrete cone failure under shear load - EN1992-4 - Cl. 7.2.2.5
- $V_{Rd,cp}$  Design resistance in case of concrete pryout failure - EN1992-4 - Cl. 7.2.2.4
- $U_t$  Utilización a tracción
- $U_s$  Utilización a cortante
- $U_{ts}$  Utilización a tensión y cortante

Proyecto:

Proyecto nº:



Autor:

$N_{Rd,s}$  Design tensile resistance of a fastener in case of steel failure - EN1992-4 - Cl. 7.2.1.3

$V_{Rd,s}$  Design shear resistance in case of steel failure - EN1992-4 - Cl.7.2.2.3.1

## Soldaduras (Redistribución plástica)

Ítem	Borde	Espesor de g. [mm]	Longitud [mm]	Cargas	$\sigma_{w,Ed}$ [MPa]	$\epsilon_{PI}$ [%]	$\sigma_{\perp}$ [MPa]	$T_{\parallel}$ [MPa]	$T_{\perp}$ [MPa]	Ut [%]	Ut <sub>c</sub> [%]	Estado
BP 1	279-bfl 1	▲5.0▲	77	A_1.35D+1.5L_E+1.5TFO1	14.9	0.0	-4.8	-3.2	-7.5	3.7	2.2	OK
		▲5.0▲	77	A_1.35D+1.5L_E+1.5TFO1	28.6	0.0	-2.8	-1.4	16.4	7.1	5.1	OK
BP 1	279-tfl 1	▲5.0▲	77	A_1.35D+1.5L_E+1.5TFO1	38.7	0.0	-15.7	16.8	-11.7	9.6	5.5	OK
		▲5.0▲	77	A_1.35D+1.5L_E+1.5TFO1	94.3	0.0	-14.4	-19.2	50.3	23.3	12.6	OK
BP 1	279-w 1	▲3.0▲	305	A_1.35D+1.5L_E+1.5TFO1	38.4	0.0	-13.3	-8.9	-18.8	9.5	6.2	OK
		▲3.0▲	305	A_1.35D+1.5L_E+1.5TFO1	27.1	0.0	-5.9	14.6	4.5	6.7	5.0	OK

## Datos de diseño

	$\beta_w$ [-]	$\sigma_{w,Rd}$ [MPa]	$0.9 \sigma$ [MPa]
S275	0.85	404.7	309.6

## Explicación del símbolo

- $\epsilon_{PI}$  Deformación
- $\sigma_{w,Ed}$  Tensión equivalente
- $\sigma_{w,Rd}$  Resistencia a tensión equivalente
- $\sigma_{\perp}$  Tensión perpendicular
- $T_{\parallel}$  Tensión cortante paralela al eje de la soldadura
- $T_{\perp}$  Tensión normal perpendicular al eje de la soldadura
- $0.9 \sigma$  Resistencia a tensión perpendicular -  $0.9 \cdot f_u / \gamma_{M2}$
- $\beta_w$  Factor de correlación EN 1993-1-8 tabla. 4.1
- Ut Utilización
- Ut<sub>c</sub> Utilización de la capacidad de la soldadura

## Bloque de hormigón

Ítem	Cargas	c [mm]	$A_{eff}$ [mm <sup>2</sup> ]	$\sigma$ [MPa]	$k_j$ [-]	$F_{jd}$ [MPa]	Ut [%]	Estado
CB 1	A_1.35D+1.5L_E+1.5TFO1	15	15018	2.3	3.00	40.2	5.8	OK

## Explicación del símbolo

- c Anchura del área portante
- $A_{eff}$  Área efectiva
- $\sigma$  Tensión media en el hormigón
- $k_j$  Factor de concentración
- $F_{jd}$  Resistencia portante última del bloque de hormigón

Proyecto:

Proyecto nº:

Autor:

Ut Utilización



## Pandeo

**El análisis de pandeo no se ha calculado.**

## Configuración de la norma

Ítem	Valor	Unidad	Referencia
$\gamma_{M0}$	1.05	-	EN 1993-1-1: 6.1
$\gamma_{M1}$	1.05	-	EN 1993-1-1: 6.1
$\gamma_{M2}$	1.25	-	EN 1993-1-1: 6.1
$\gamma_{M3}$	1.25	-	EN 1993-1-8: 2.2
$\gamma_C$	1.50	-	EN 1992-1-1: 2.4.2.4
$\gamma_{Inst}$	1.20	-	EN 1992-4: Table 4.1
Coeficiente de unión $\beta_j$	0.67	-	EN 1993-1-8: 6.2.5
Área efectiva - influencia del tamaño de la malla	0.10	-	
Coeficiente de fricción - hormigón	0.25	-	EN 1993-1-8
Coeficiente de fricción en la resistencia a deslizamiento	0.30	-	EN 1993-1-8 Pestaña 3.7
Deformación plástica límite	0.05	-	EN 1993-1-5
Evaluación de la tensión de la soldadura	Redistribución plástica		
Detallado	No		
Distancia entre tornillos [d]	2.20	-	EN 1993-1-8: Pestaña 3.3
Distancia entre tornillos y el borde [d]	1.20	-	EN 1993-1-8: Pestaña 3.3
Resistencia al arrancamiento del cono de hormigón	Both		EN 1992-4: 7.2.1.4 and 7.2.2.5
Utilizar $\alpha_b$ calculada en la verificación por aplastamiento.	Sí		EN 1993-1-8: Pestaña 3.4
Hormigón fisurado	No		EN 1992-4
Comprobación de la deformación local	No		CIDECT DG 1, 3 - 1.1
Deformación límite local	0.03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas
Sistema arriostrado	No		EN 1993-1-8: 5.2.2.5

Proyecto:

Proyecto nº:

Autor:



## Datos del proyecto

Nombre del proyecto

Número del Proyecto

Autor

Descripción

Fecha 04/01/2021

Normativa de cálculo EN

## Material

Acero S275, S 275

Hormigón C30/37, C25/30

## Ítem del proyecto 61

### Diseño

Nombre 61

Descripción Conexión\_61

Análisis Tensión, deformación/ Carga simplificada

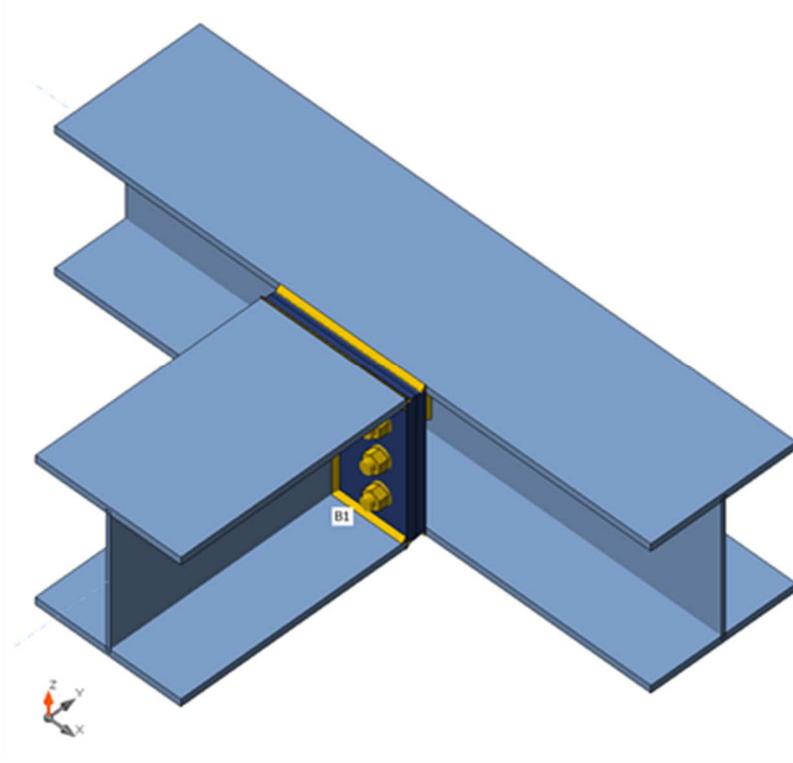
### Elementos estructurales

Nombre	Sección transversal	$\beta$ - Dirección [°]	$\gamma$ - Inclinación [°]	$\alpha$ - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]	Fuerzas en
B	1 - HEA320	0,0	0,0	0,0	0	0	0	Nodo
B1	1 - HEA320	-90,0	0,0	0,0	0	0	0	Nodo

Proyecto:

Proyecto nº:

Autor:



## Secciones

Nombre	Material
1 - HEA320	S275

## Tornillos

Nombre	Conjunto de tornillo	Diámetro [mm]	fu [MPa]	Área bruta [mm²]
M24 8.8	M24 8.8	24	800,0	452

## Cargas (No se requiere el equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	B1	1,9	42,3	-212,2	0,0	0,0	0,0
LE2	B1	39,3	42,3	-212,2	0,0	0,0	0,0

## Verificación

### Resumen

Nombre	Valor	Estado
Análisis	100,0%	OK
Placas	0,1 < 5,0%	OK
Tornillos	71,7 < 100%	OK
Soldaduras	47,6 < 100%	OK

Proyecto:

Proyecto nº:

Autor:

Pandeo	No calculado	
--------	--------------	--

## Placas

Nombre	Material	Espesor [mm]	Cargas	$\sigma_{Ed}$ [MPa]	$\epsilon_{PI}$ [%]	$\sigma_{CEd}$ [MPa]	Estado
B-bfl 1	S275	15,5	LE1	62,6	0,0	0,0	OK
B-tfl 1	S275	15,5	LE2	68,3	0,0	0,0	OK
B-w 1	S275	9,0	LE2	74,5	0,0	0,0	OK
B1-bfl 1	S275	15,5	LE2	212,7	0,0	0,0	OK
B1-tfl 1	S275	15,5	LE1	171,0	0,0	0,0	OK
B1-w 1	S275	9,0	LE2	186,6	0,0	0,0	OK
SEP1a	S 275	20,0	LE2	262,1	0,1	34,5	OK
SEP1b	S 275	20,0	LE2	262,1	0,1	34,5	OK
RIGIDIZAR	S 275	15,0	LE2	118,1	0,0	0,0	OK
STIFF1	S 275	15,0	LE2	38,1	0,0	0,0	OK

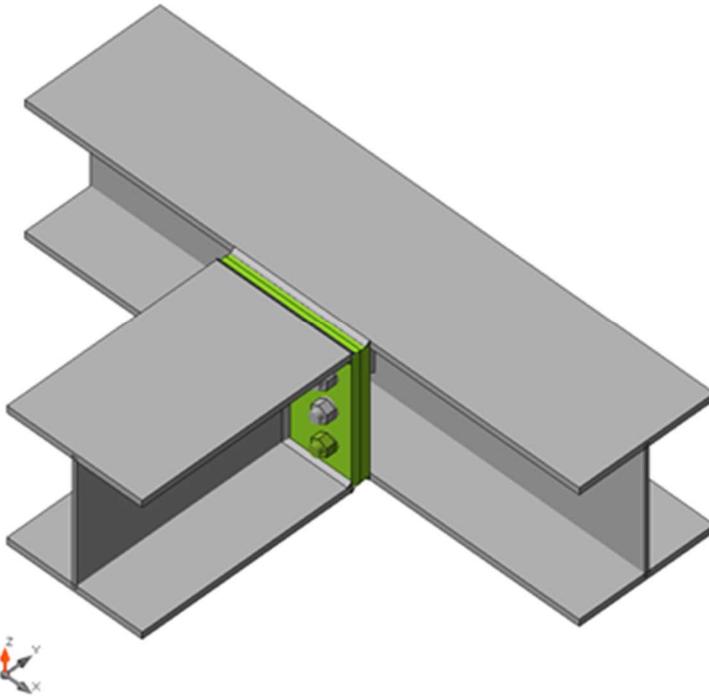
## Datos de diseño

Material	$f_y$ [MPa]	$\epsilon_{lim}$ [%]
S275	275,0	5,0
S 275	275,0	5,0

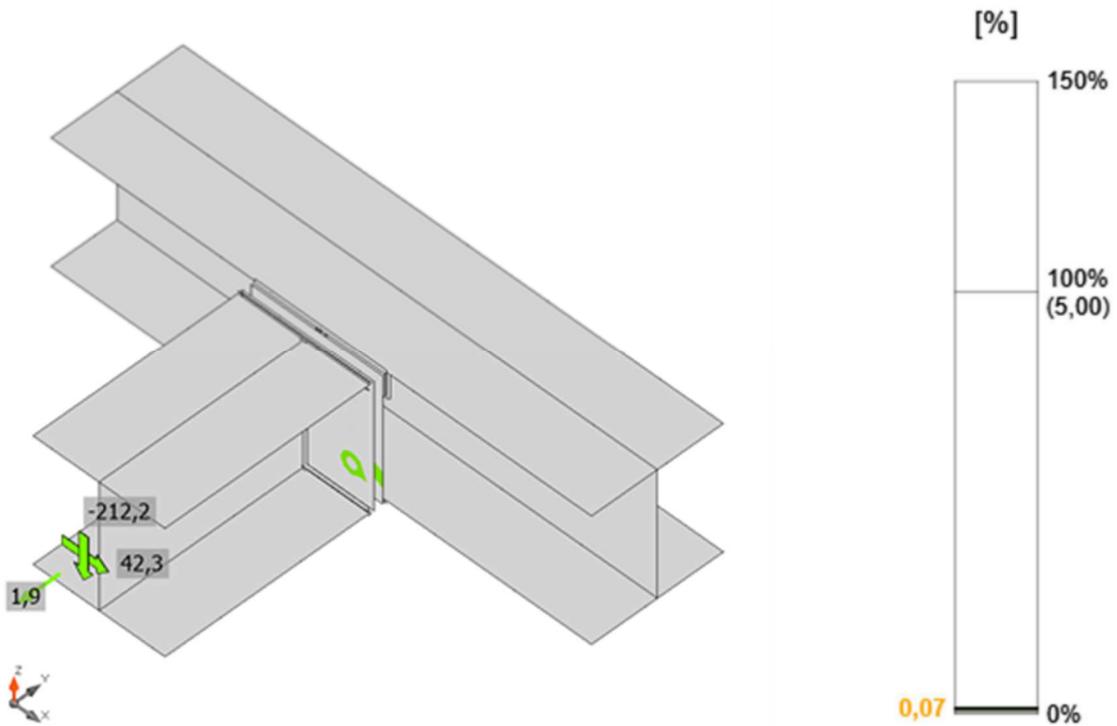
## Explicación del símbolo

- $\epsilon_{PI}$  Deformación
- $\sigma_{Ed}$  Ec. tensión
- $\sigma_{CEd}$  Tensiones de Contacto
- $f_y$  Límite elástico
- $\epsilon_{lim}$  Límite de la deformación plástica

Proyecto:  
Proyecto nº:  
Autor:



Verificación general, LE1

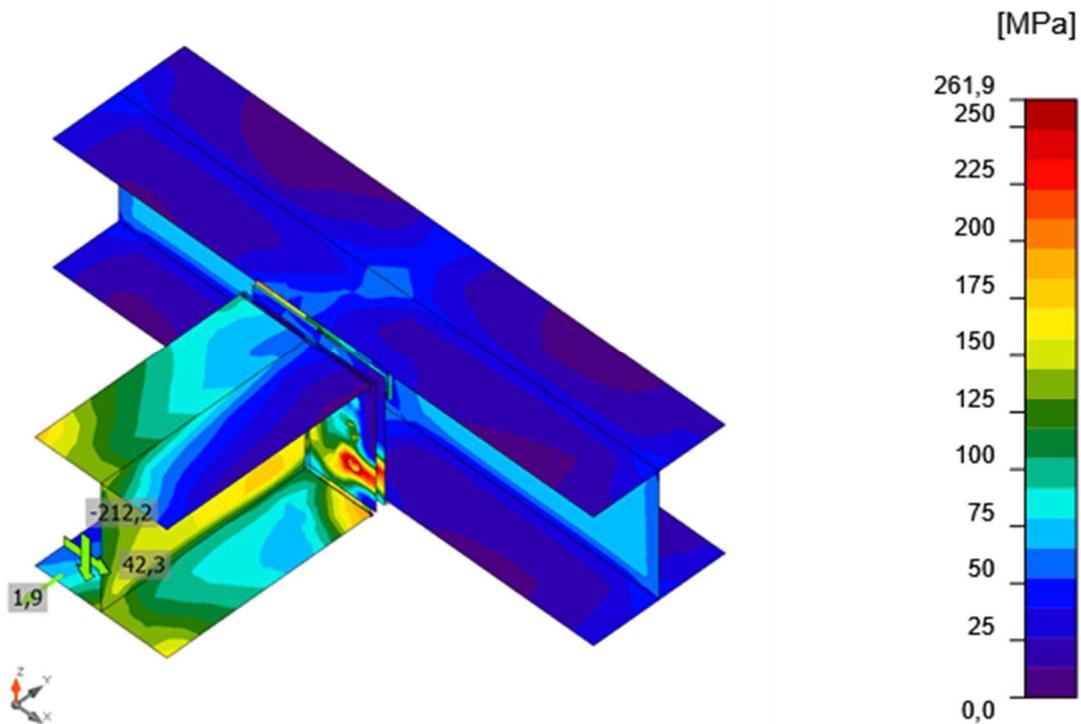


Verificación de deformación, LE1

Proyecto:

Proyecto n°:

Autor:



Tensión equivalente, LE1

## Tornillos

	Nombre	Cargas	$F_{t,Ed}$ [kN]	V [kN]	$U_t$ [%]	$F_{b,Rd}$ [kN]	$U_s$ [%]	$U_{ts}$ [%]	Detallado	Estado
	B1	LE2	14,4	36,2	7,1	293,7	26,7	31,8	Aceptar	OK
	B2	LE2	16,6	36,2	8,2	293,7	26,7	32,6	Aceptar	OK
	B3	LE2	26,6	36,3	13,1	293,7	26,8	36,1	Aceptar	OK
	B4	LE2	27,5	35,9	13,5	293,7	26,5	36,1	Aceptar	OK
	B5	LE2	128,1	36,2	63,0	293,7	26,7	71,7	Aceptar	OK
	B6	LE2	116,7	35,6	57,4	293,7	26,3	67,3	Aceptar	OK

## Datos de diseño

Nombre	$F_{t,Rd}$ [kN]	$B_{p,Rd}$ [kN]	$F_{v,Rd}$ [kN]
M24 8.8 - 1	203,3	492,8	135,6

## Explicación del símbolo

- $F_{t,Rd}$  Resistencia a tracción del tornillo EN 1993-1-8 tabla. 3.4
- $F_{t,Ed}$  Fuerza de tracción
- $B_{p,Rd}$  Resistencia al cortante perforante
- V Resultante de las fuerzas cortantes  $V_y$ ,  $V_z$  en el tornillo.
- $F_{v,Rd}$  Resistencia a cortante de los tornillos EN\_1993-1-8 tabla 3.4
- $F_{b,Rd}$  Resistencia al aplastamiento de la placa, según EN 1993-1-8 tab. 3.4
- $U_t$  Utilización a tracción
- $U_s$  Utilización a cortante

Proyecto:

Proyecto nº:

Autor:

## Soldaduras (Redistribución plástica)

Ítem	Borde	Espesor de g. [mm]	Longitud [mm]	Cargas	$\sigma_{w,Ed}$ [MPa]	$\epsilon_{pl}$ [%]	$\sigma_{\perp}$ [MPa]	$T_{\parallel}$ [MPa]	$T_{\perp}$ [MPa]	Ut [%]	Ut <sub>c</sub> [%]	Estado
SEP1a	B-tfl 1	▲6,4	300	LE1	190,5	0,0	-82,7	10,8	98,5	47,1	27,7	OK
SEP1a	B-bfl 1	▲6,4	300	LE2	147,6	0,0	90,0	-11,6	66,6	36,5	18,2	OK
SEP1b	B1-bfl 1	▲6,4▲	300	LE2	192,5	0,0	130,9	60,0	55,2	47,6	35,1	OK
		▲6,4▲	300	LE2	153,5	0,0	-38,6	82,5	-23,4	37,9	22,0	OK
SEP1b	B1-tfl 1	▲6,4▲	300	LE1	138,8	0,0	-75,7	-29,0	60,6	34,3	19,2	OK
		▲6,4▲	300	LE1	97,8	0,0	-46,3	19,6	45,7	24,2	15,0	OK
SEP1b	B1-w 1	▲6,4▲	295	LE2	152,5	0,0	53,4	-64,3	51,7	37,7	24,5	OK
		▲6,4▲	295	LE2	166,7	0,0	18,6	71,8	63,1	41,2	25,2	OK
B-bfl 1	RIGIDIZARR	▲6,4▲	118	LE1	74,6	0,0	-7,7	-42,1	-8,1	18,4	10,1	OK
		▲6,4▲	118	LE1	77,0	0,0	-7,8	43,6	7,4	19,0	10,9	OK
B-w 1	RIGIDIZARR	▲6,4▲	225	LE2	181,0	0,0	12,6	103,6	11,5	44,7	28,2	OK
		▲6,4▲	225	LE2	178,7	0,0	9,1	-102,5	-10,2	44,2	28,0	OK
B-tfl 1	RIGIDIZARR	▲6,4▲	118	LE2	179,2	0,0	4,6	-103,4	3,5	44,3	34,4	OK
		▲6,4▲	118	LE2	174,5	0,0	4,8	100,5	-5,9	43,1	32,2	OK
SEP1a	RIGIDIZARR	▲6,4▲	279	LE2	150,1	0,0	39,1	73,4	40,2	37,1	28,7	OK
		▲6,4▲	279	LE2	157,3	0,0	46,3	-74,0	-45,3	38,9	29,7	OK
B-bfl 1	STIFF1	▲6,4▲	119	LE2	29,4	0,0	-8,8	-13,4	-9,1	7,3	3,0	OK
		▲6,4▲	119	LE2	30,1	0,0	-9,7	13,5	9,4	7,4	3,1	OK
B-w 1	STIFF1	▲6,4▲	225	LE2	56,5	0,0	24,6	-16,6	24,2	14,0	8,2	OK
		▲6,4▲	225	LE2	59,0	0,0	24,9	17,6	-25,4	14,6	8,6	OK
B-tfl 1	STIFF1	▲6,4▲	119	LE2	44,5	0,0	13,5	20,8	12,8	11,0	7,6	OK
		▲6,4▲	119	LE2	44,7	0,0	12,2	-21,3	-12,8	11,0	7,8	OK

### Datos de diseño

	$\beta_w$ [-]	$\sigma_{w,Rd}$ [MPa]	$0.9 \sigma$ [MPa]
S 275	0,85	404,7	309,6

### Explicación del símbolo

Proyecto:

Proyecto nº:



Autor:

- $\sigma_{w,Ed}$  Tensión equivalente
- $\sigma_{w,Rd}$  Resistencia a tensión equivalente
- $\sigma_{\perp}$  Tensión perpendicular
- $\tau_{\parallel}$  Tensión cortante paralela al eje de la soldadura
- $\tau_{\perp}$  Tensión normal perpendicular al eje de la soldadura
- $0.9 \sigma$  Resistencia a tensión perpendicular -  $0.9 \cdot f_u / \gamma_{M2}$
- $\beta_w$  Factor de correlación EN 1993-1-8 tabla. 4.1
- Ut Utilización
- Utc Utilización de la capacidad de la soldadura

## Pandeo

El análisis de pandeo no se ha calculado.

## Configuración de la norma

Ítem	Valor	Unidad	Referencia
$\gamma_{M0}$	1,05	-	EN 1993-1-1: 6.1
$\gamma_{M1}$	1,05	-	EN 1993-1-1: 6.1
$\gamma_{M2}$	1,25	-	EN 1993-1-1: 6.1
$\gamma_{M3}$	1,25	-	EN 1993-1-8: 2.2
$\gamma_C$	1,50	-	EN 1992-1-1: 2.4.2.4
$\gamma_{Inst}$	1,20	-	EN 1992-4: Table 4.1
Coefficiente de unión $\beta_j$	0,67	-	EN 1993-1-8: 6.2.5
Área efectiva - influencia del tamaño de la malla	0,10	-	
Coefficiente de fricción - hormigón	0,25	-	EN 1993-1-8
Coefficiente de fricción en la resistencia a deslizamiento	0,30	-	EN 1993-1-8 Pestaña 3.7
Deformación plástica límite	0,05	-	EN 1993-1-5
Evaluación de la tensión de la soldadura	Redistribución plástica		
Detallado	Sí		
Distancia entre tornillos [d]	2,20	-	EN 1993-1-8: Pestaña 3.3
Distancia entre tornillos y el borde [d]	1,20	-	EN 1993-1-8: Pestaña 3.3
Resistencia al arrancamiento del cono de hormigón	Ambos		EN 1992-4: 7.2.1.4 and 7.2.2.5
Utilizar $\alpha_b$ calculada en la verificación por aplastamiento.	Sí		EN 1993-1-8: Pestaña 3.4
Hormigón fisurado	No		EN 1992-4
Comprobación de la deformación local	No		CIDECT DG 1, 3 - 1.1
Deformación límite local	0,03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas
Sistema arriostrado	No		EN 1993-1-8: 5.2.2.5

Proyecto:

Proyecto nº:

Autor:



## Datos del proyecto

Nombre del proyecto

Número del Proyecto

Autor

Descripción

Fecha 04/01/2021

Normativa de cálculo EN

## Material

Acero S275, S 275

Hormigón C30/37, C25/30

## Ítem del proyecto 2

### Diseño

Nombre 2

Descripción Nudo esquina

Análisis Tensión, deformación/ Carga simplificada

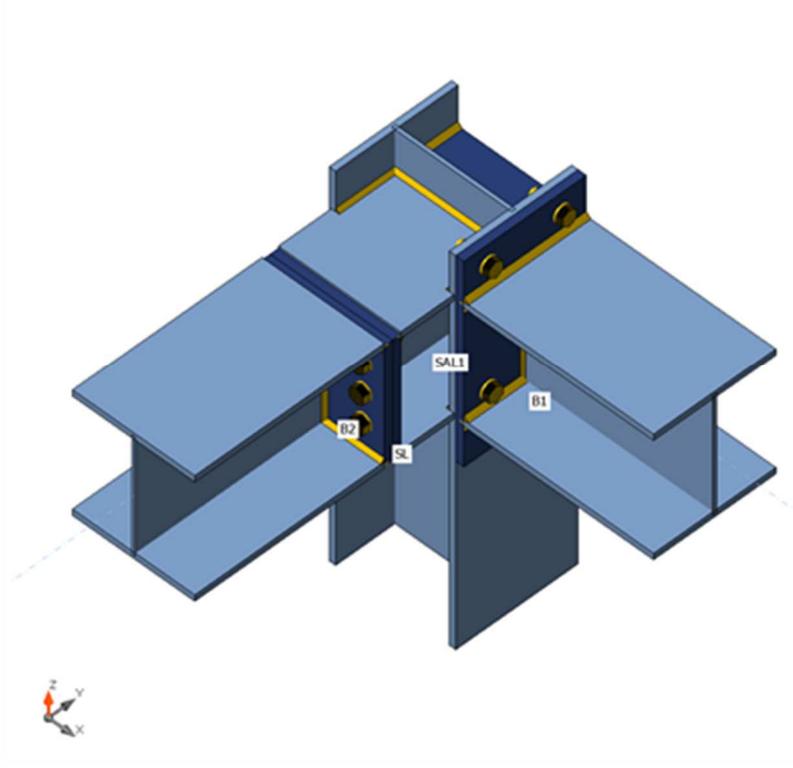
### Elementos estructurales

Nombre	Sección transversal	$\beta$ - Dirección [°]	$\gamma$ - Inclinación [°]	$\alpha$ - Rotación [°]	Desplazamiento ex [mm]	Desplazamiento ey [mm]	Desplazamiento ez [mm]	Fuerzas en
SL	1 - HEA320	0,0	90,0	0,0	0	0	0	Nodo
B1	1 - HEA320	0,0	0,0	0,0	0	0	0	Nodo
B2	1 - HEA320	-90,0	0,0	0,0	0	0	0	Nodo

Proyecto:

Proyecto n°:

Autor:



## Secciones

Nombre	Material
1 - HEA320	S275

## Tornillos

Nombre	Conjunto de tornillo	Diámetro [mm]	fu [MPa]	Área bruta [mm <sup>2</sup> ]
M24 8.8	M24 8.8	24	800,0	452

## Cargas (No se requiere el equilibrio)

Nombre	Elemento	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
LE1	B1	4,3	0,0	-196,4	0,0	125,0	0,0
	B2	0,3	16,4	-43,0	0,0	0,0	0,0
LE2	B1	35,0	0,0	-126,0	0,0	92,0	0,0
	B2	0,2	-20,0	-193,0	0,0	0,0	0,0
LE3	B1	4,3	0,0	-196,4	0,0	-125,0	0,0
	B2	0,3	16,4	-43,0	0,0	0,0	0,0
LE4	B1	35,0	0,0	-126,0	0,0	-92,0	0,0
	B2	0,2	-20,0	-193,0	0,0	0,0	0,0

Proyecto:

Proyecto n°:

Autor:

## Verificación

### Resumen

Nombre	Valor	Estado
Análisis	100,0%	OK
Placas	0,6 < 5,0%	OK
Tornillos	80,6 < 100%	OK
Soldaduras	98,0 < 100%	OK
Pandeo	No calculado	

### Placas

Nombre	Espesor [mm]	Cargas	$\sigma_{Ed}$ [MPa]	$\epsilon_{PI}$ [%]	$\sigma_{CEd}$ [MPa]	Estado
SL-bfl 1	15,5	LE3	185,7	0,0	0,0	OK
SL-tfl 1	15,5	LE3	262,4	0,2	31,4	OK
SL-w 1	9,0	LE3	262,2	0,1	0,0	OK
B1-bfl 1	15,5	LE3	210,7	0,0	0,0	OK
B1-tfl 1	15,5	LE3	208,7	0,0	0,0	OK
B1-w 1	9,0	LE3	203,7	0,0	0,0	OK
B2-bfl 1	15,5	LE2	150,3	0,0	0,0	OK
B2-tfl 1	15,5	LE4	155,9	0,0	0,0	OK
B2-w 1	9,0	LE2	254,7	0,0	0,0	OK
SAL1-bfl 1	15,5	LE3	168,3	0,0	0,0	OK
SAL1-tfl 1	15,5	LE2	162,9	0,0	0,0	OK
SAL1-w 1	9,0	LE2	205,0	0,0	0,0	OK
STIFF1a	15,0	LE3	167,8	0,0	0,0	OK
STIFF1b	15,0	LE3	162,3	0,0	0,0	OK
EP1	20,0	LE3	262,0	0,1	31,4	OK
SAL1-EPa	20,0	LE2	263,2	0,6	57,2	OK
SAL1-EPb	20,0	LE4	262,8	0,4	59,0	OK
SP 1	10,0	LE3	176,9	0,0	0,0	OK

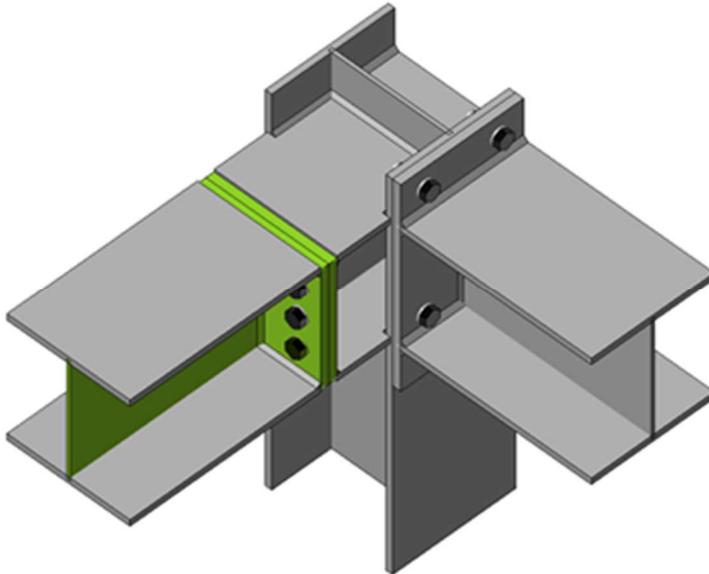
### Datos de diseño

Material	$f_y$ [MPa]	$\epsilon_{lim}$ [%]
S275	275,0	5,0

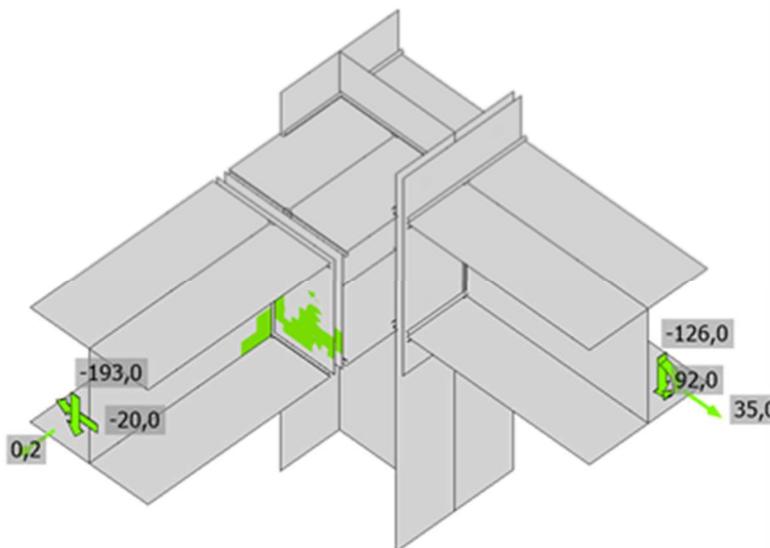
### Explicación del símbolo

- $\epsilon_{PI}$  Deformación
- $\sigma_{Ed}$  Ec. tensión
- $\sigma_{CEd}$  Tensiones de Contacto
- $f_y$  Límite elástico
- $\epsilon_{lim}$  Límite de la deformación plástica

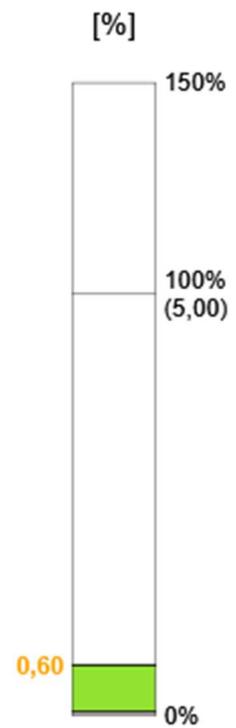
Proyecto:  
Proyecto n°:  
Autor:



Verificación general, LE2



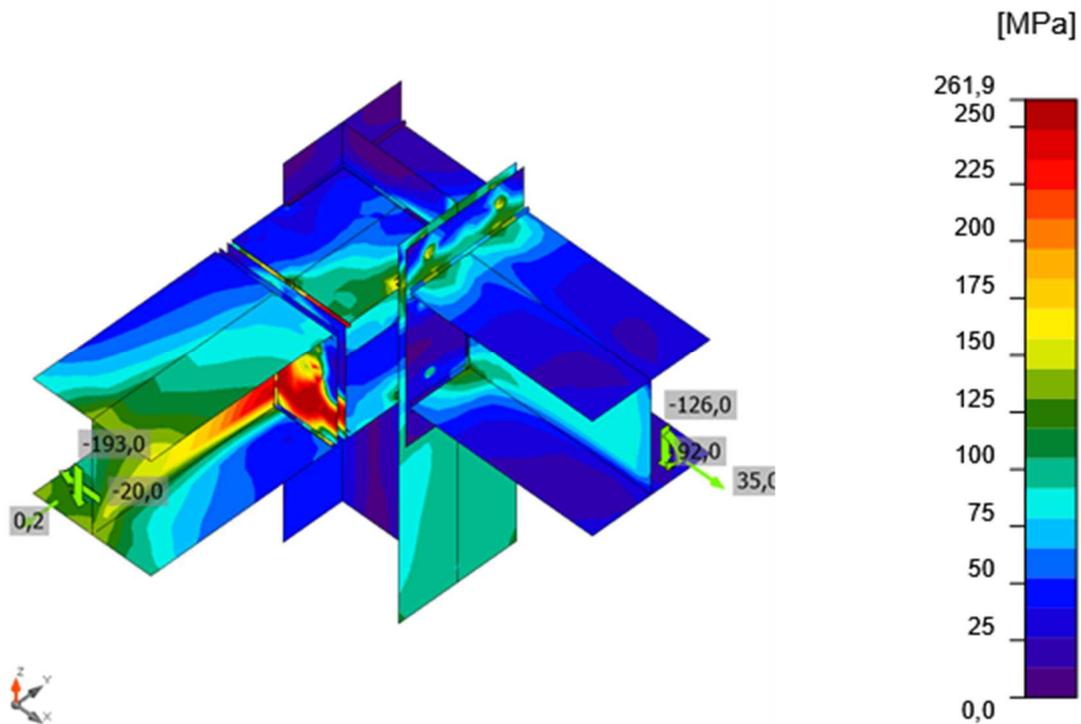
Verificación de deformación, LE2



Proyecto:

Proyecto n°:

Autor:



Tensión equivalente, LE2

## Tornillos

	Nombre	Calidad	Cargas	$F_{t,Ed}$ [kN]	V [kN]	$U_t$ [%]	$F_{b,Rd}$ [kN]	$U_s$ [%]	$U_{ts}$ [%]	Detallado	Estado
	B1	M24 8.8 - 1	LE1	97,5	21,1	48,0	319,9	15,6	49,9	Aceptar	OK
	B2	M24 8.8 - 1	LE1	104,2	21,3	51,2	319,9	15,7	52,3	Aceptar	OK
	B3	M24 8.8 - 1	LE1	86,1	19,3	42,4	264,6	14,3	44,5	Aceptar	OK
	B4	M24 8.8 - 1	LE1	91,8	19,1	45,1	264,6	14,1	46,4	Aceptar	OK
	B5	M24 8.8 - 1	LE3	163,4	24,2	80,4	319,9	17,9	75,3	Aceptar	OK
	B6	M24 8.8 - 1	LE3	163,5	24,3	80,4	319,9	17,9	75,4	Aceptar	OK
	B7	M24 8.8 - 1	LE3	142,0	17,3	69,8	319,9	12,7	62,6	Aceptar	OK
	B8	M24 8.8 - 1	LE3	143,9	17,6	70,8	319,9	13,0	63,5	Aceptar	OK
	B13	M24 8.8 - 2	LE2	26,7	33,5	13,1	293,7	24,7	34,1	Aceptar	OK
	B14	M24 8.8 - 2	LE2	25,2	33,2	12,4	293,7	24,5	33,4	Aceptar	OK
	B15	M24 8.8 - 2	LE2	163,4	31,2	80,4	293,7	23,0	80,4	Aceptar	OK
	B16	M24 8.8 - 2	LE2	164,0	30,4	80,6	293,7	22,5	80,1	Aceptar	OK
	B17	M24 8.8 - 2	LE4	49,0	32,9	24,1	293,7	24,3	41,5	Aceptar	OK
	B18	M24 8.8 - 2	LE2	49,1	32,9	24,1	293,7	24,3	41,5	Aceptar	OK

## Datos de diseño

Nombre	$F_{t,Rd}$ [kN]	$B_{p,Rd}$ [kN]	$F_{v,Rd}$ [kN]
M24 8.8 - 1	203,3	381,9	135,6
M24 8.8 - 2	203,3	492,8	135,6

Proyecto:

Proyecto nº:

Autor:

## Explicación del símbolo

- $F_{t,Rd}$  Resistencia a tracción del tornillo EN 1993-1-8 tabla. 3.4  
 $F_{t,Ed}$  Fuerza de tracción  
 $B_{p,Rd}$  Resistencia al cortante perforante  
 $V$  Resultante de las fuerzas cortantes  $V_y$ ,  $V_z$  en el tornillo.  
 $F_{v,Rd}$  Resistencia a cortante de los tornillos EN\_1993-1-8 tabla 3.4  
 $F_{b,Rd}$  Resistencia al aplastamiento de la placa, según EN 1993-1-8 tab. 3.4  
 $U_t$  Utilización a tracción  
 $U_s$  Utilización a cortante

## Soldaduras (Redistribución plástica)

Ítem	Borde	Espesor de g. [mm]	Longitud [mm]	Cargas	$\sigma_{w,Ed}$ [MPa]	$\epsilon_{pl}$ [%]	$\sigma_{\perp}$ [MPa]	$T_{  }$ [MPa]	$T_{\perp}$ [MPa]	$U_t$ [%]	$U_c$ [%]	Estado
SL-bfl 1	STIFF1a	▲7,9▲	119	LE3	86,3	0,0	-2,4	49,5	5,3	21,3	8,8	OK
		▲7,9▲	119	LE3	101,6	0,0	35,3	-47,6	-27,6	25,1	10,7	OK
SL-w 1	STIFF1a	▲7,9▲	225	LE3	119,1	0,0	33,5	-60,0	27,6	29,4	20,2	OK
		▲7,9▲	225	LE3	115,4	0,0	20,5	60,0	-26,3	28,5	22,7	OK
SL-tfl 1	STIFF1a	▲7,9▲	119	LE3	309,7	0,0	151,6	17,0	155,0	76,5	45,1	OK
		▲7,9▲	119	LE3	310,2	0,0	156,9	-19,0	153,3	76,7	43,2	OK
SL-bfl 1	STIFF1b	▲7,9▲	119	LE3	96,6	0,0	-39,2	-42,3	-28,5	23,9	11,7	OK
		▲7,9▲	119	LE3	75,0	0,0	8,8	43,0	1,9	18,5	9,2	OK
SL-w 1	STIFF1b	▲7,9▲	225	LE3	106,8	0,0	-3,3	60,5	-11,6	26,4	18,9	OK
		▲7,9▲	225	LE3	107,9	0,0	-24,2	-58,6	15,8	26,7	17,0	OK
SL-tfl 1	STIFF1b	▲7,9▲	119	LE1	173,4	0,0	95,2	11,8	82,8	42,8	25,1	OK
		▲7,9▲	119	LE3	195,0	0,0	-97,8	40,2	88,7	48,2	39,1	OK
EP1	B1-bfl 1	▲7,9▲	300	LE3	254,1	0,0	123,7	-24,4	125,8	62,8	36,3	OK
		▲7,9▲	300	LE3	291,7	0,0	146,7	17,3	144,6	72,1	50,5	OK
EP1	B1-tfl 1	▲7,9▲	300	LE3	291,8	0,0	176,8	4,8	133,9	72,1	46,9	OK
		▲7,9▲	300	LE3	238,8	0,0	-85,7	-3,6	128,7	59,0	37,1	OK
EP1	B1-w 1	▲4,8▲	295	LE3	304,6	0,0	138,7	-74,0	137,9	75,3	47,8	OK
		▲4,8▲	295	LE3	306,0	0,0	137,8	75,3	138,6	75,6	47,4	OK
SAL1-EPa	B2-bfl 1	▲6,4▲	300	LE2	181,1	0,0	91,4	-35,3	83,1	44,8	21,0	OK
SAL1-EPa	B2-tfl 1	▲6,4▲	300	LE2	296,9	0,0	150,0	0,1	147,9	73,4	49,0	OK
SAL1-EPa	B2-w 1	▲6,4▲	295	LE4	235,3	0,0	81,1	-97,5	82,3	58,1	33,4	OK
		▲6,4▲	295	LE2	251,5	0,0	82,8	110,6	-81,1	62,1	32,5	OK
SAL1-EPb	SAL1-bfl 1	▲6,4▲	300	LE4	168,9	0,0	59,5	33,6	84,9	41,7	21,0	OK
SAL1-EPb	SAL1-tfl 1	▲6,4▲	300	LE2	273,9	0,0	128,8	-4,6	139,5	67,7	43,7	OK
SAL1-EPb	SAL1-w 1	▲6,4▲	295	LE4	250,9	0,0	102,7	101,2	-85,0	62,0	34,6	OK
		▲6,4▲	295	LE2	284,2	0,0	-57,0	116,8	110,4	70,2	35,2	OK

Proyecto:

Proyecto nº:

Autor:

SL-tfl 1	SAL1-bfl 1	▲6,4▲	146	LE3	396,7	0,1	199,8	4,1	197,8	98,0	51,9	OK
		▲6,4▲	146	LE3	396,7	0,1	196,8	-3,9	-198,8	98,0	52,8	OK
SL-w 1	SAL1-bfl 1	▲6,4▲	279	LE3	150,6	0,0	10,7	-86,7	2,3	37,2	22,4	OK
		▲6,4▲	279	LE3	179,4	0,0	-0,6	103,3	-7,8	44,3	23,2	OK
SL-bfl 1	SAL1-bfl 1	▲6,4▲	146	LE3	111,5	0,0	75,2	37,3	29,4	27,6	17,9	OK
		▲6,4▲	146	LE3	87,8	0,0	-7,9	-33,4	-37,8	21,7	12,2	OK
SL-tfl 1	SAL1-tfl 1	▲6,4▲	146	LE1	257,3	0,0	121,5	4,3	130,8	63,6	34,5	OK
		▲6,4▲	146	LE1	243,8	0,0	128,8	-3,1	-119,5	60,2	30,1	OK
SL-w 1	SAL1-tfl 1	▲6,4▲	279	LE3	245,2	0,0	11,9	141,4	1,1	60,6	21,6	OK
		▲6,4▲	279	LE3	213,1	0,0	-5,4	-122,9	-5,4	52,7	21,8	OK
SL-bfl 1	SAL1-tfl 1	▲6,4▲	146	LE3	64,8	0,0	21,0	-19,2	-29,7	16,0	9,0	OK
		▲6,4▲	146	LE4	113,0	0,0	-37,2	55,9	26,0	27,9	16,8	OK
SL-w 1	SAL1-w 1	▲6,4▲	294	LE3	280,8	0,0	-25,5	-66,6	147,1	69,4	22,3	OK
		▲6,4▲	294	LE3	255,2	0,0	33,6	-45,0	138,9	63,1	22,8	OK
SL-w 1	SP 1	▲4,8	200	LE3	342,1	0,0	204,6	150,7	48,5	84,5	72,7	OK
SL-w 1	SP 1	▲4,8	200	LE3	316,1	0,0	105,4	-154,6	75,6	78,1	70,7	OK
SL-w 1	SP 1	▲4,8	200	LE3	371,3	0,0	-11,4	214,0	-11,4	91,7	69,9	OK
SL-w 1	SP 1	▲4,8	200	LE3	327,8	0,0	-91,2	-167,7	-70,3	81,0	68,6	OK

## Datos de diseño

	$\beta_w$ [-]	$\sigma_{w,Rd}$ [MPa]	$0.9 \sigma$ [MPa]
S275	0,85	404,7	309,6

## Explicación del símbolo

$\epsilon_{pl}$	Deformación
$\sigma_{w,Ed}$	Tensión equivalente
$\sigma_{w,Rd}$	Resistencia a tensión equivalente
$\sigma_{\perp}$	Tensión perpendicular
$T_{\parallel}$	Tensión cortante paralela al eje de la soldadura
$T_{\perp}$	Tensión normal perpendicular al eje de la soldadura
$0.9 \sigma$	Resistencia a tensión perpendicular - $0.9 \cdot f_u / \gamma_{M2}$
$\beta_w$	Factor de correlación EN 1993-1-8 tabla. 4.1
$U_t$	Utilización
$U_{tc}$	Utilización de la capacidad de la soldadura

## Pandeo

El análisis de pandeo no se ha calculado.

Proyecto:

Proyecto nº:

Autor:

## Configuración de la norma

Ítem	Valor	Unidad	Referencia
Y <sub>M0</sub>	1,05	-	EN 1993-1-1: 6.1
Y <sub>M1</sub>	1,05	-	EN 1993-1-1: 6.1
Y <sub>M2</sub>	1,25	-	EN 1993-1-1: 6.1
Y <sub>M3</sub>	1,25	-	EN 1993-1-8: 2.2
Y <sub>C</sub>	1,50	-	EN 1992-1-1: 2.4.2.4
Y <sub>Inst</sub>	1,20	-	EN 1992-4: Table 4.1
Coeficiente de unión β <sub>j</sub>	0,67	-	EN 1993-1-8: 6.2.5
Área efectiva - influencia del tamaño de la malla	0,10	-	
Coeficiente de fricción - hormigón	0,25	-	EN 1993-1-8
Coeficiente de fricción en la resistencia a deslizamiento	0,30	-	EN 1993-1-8 Pestaña 3.7
Deformación plástica límite	0,05	-	EN 1993-1-5
Evaluación de la tensión de la soldadura	Redistribución plástica		
Detallado	Sí		
Distancia entre tornillos [d]	2,20	-	EN 1993-1-8: Pestaña 3.3
Distancia entre tornillos y el borde [d]	1,20	-	EN 1993-1-8: Pestaña 3.3
Resistencia al arrancamiento del cono de hormigón	Ambos		EN 1992-4: 7.2.1.4 and 7.2.2.5
Utilizar α <sub>b</sub> calculada en la verificación por aplastamiento.	Sí		EN 1993-1-8: Pestaña 3.4
Hormigón fisurado	No		EN 1992-4
Comprobación de la deformación local	No		CIDECT DG 1, 3 - 1.1
Deformación límite local	0,03	-	CIDECT DG 1, 3 - 1.1
No linealidad geométrica (GMNA)	Sí		Grandes deformaciones para secciones huecas
Sistema arriostrado	No		EN 1993-1-8: 5.2.2.5

# ANEXO A02\_3 FORJADO PLATAFORMA

# DOCUMENTACIÓN TÉCNICA

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INGENIERÍA Y CONSTRUCCIÓN DEL PERFIL

## Forjado Colaborante: Informe de Cálculo



Revisión v21.05.03

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### 1. INTRODUCCIÓN

En primer lugar agradecerles el interés mostrado en nuestra solución de forjado colaborante. A continuación, se adjunta la documentación relativa al informe de cálculo del forjado mixto elaborado mediante el perfil **INCO 70.4 Colaborante**. Los cálculos han sido realizados a partir de los datos facilitados a través del formulario de forjado colaborante.

La documentación aquí presentada debe complementarse con el *Dossier Técnico del Forjado Colaborante*, en caso de duda póngase en contacto con nuestro departamento técnico. INGENIERÍA Y CONSTRUCCIÓN DEL PERFIL S.A. no se hace responsable del incumplimiento de los resultados e indicaciones del presente documento, así como de las recomendaciones del *Dossier Técnico del Forjado Colaborante*. Toda la documentación facilitada debe contar con la aprobación por parte de la Dirección Facultativa.

Todos los cálculos y ensayos han sido realizados con el perfil **INCO 70.4 Colaborante** de INGENIERÍA Y CONSTRUCCIÓN DEL PERFIL S.A., por lo que los resultados presentados en este informe no son válidos para ningún otro perfil.

INGENIERÍA Y CONSTRUCCIÓN DEL PERFIL S.A. certifica que los resultados de resistencia mecánica y al fuego han sido realizados mediante software de cálculo supervisado por parte del Departamento de Resistencia de Materiales y Estructuras de la Escuela Técnica Superior de Ingeniería Industrial de Barcelona. Dicho software realiza el cálculo de forjados unidireccionales de acuerdo con el *Eurocódigo 4 (UNE-EN 1994) Parte 1-1 "Reglas Generales para la Edificación" y Parte 1-2 "Reglas generales para estructuras sometidas al fuego"*.

Los ensayos experimentales de la losa mixta, para determinar los parámetros  $m$  y  $k$  que definen el comportamiento del forjado colaborante frente al fallo por rasante según el *Eurocódigo 4 (UNE-EN 1994)*, han sido realizados por el laboratorio de Elasticidad y Resistencia de Materiales (*LERMA*) del Departamento de Resistencia de Materiales y Estructuras de la Escuela Técnica Superior de Ingeniería Industrial de Barcelona.

## 2. DATOS DEL PROYECTO

### DATOS DE LA PRESCRIPCION

Código de Prescripción	P3802
Revisión	--
Fecha	03/05/2021

### DATOS DEL CLIENTE

Empresa	ATTIS
Persona de Contacto	Andrés Fernández
Email	info@attis-ingenieria.com
Móvil / Teléfono	987049692

### DATOS DE LA OBRA

Referencia de Obra	Estación bombeo Melgar de Yuso
Superficie	20 m <sup>2</sup>
Provincia	LEON
País	España

### 3. CARACTERÍSTICAS DE LOS MATERIALES

#### ACERO. PERFIL COLABORANTE

Material	Galvanizado
Recubrimiento de Zinc ambas caras (g/m <sup>2</sup> )	200
Peso Específico (daN/m <sup>3</sup> )	7.850
Módulo de Elasticidad (daN/cm <sup>2</sup> )	2.100.000
Límite Elástico, R <sub>eH</sub> (N/mm <sup>2</sup> )	280
Coefficiente de minoración	1,05

#### ACERO. ARMADURAS PASIVAS

Resistencia característica (N/mm <sup>2</sup> )	500
Módulo de Elasticidad (daN/cm <sup>2</sup> )	2.100.000
Peso Específico (daN/m <sup>3</sup> )	7.850
Coefficiente de minoración	1,15

#### HORMIGÓN

Resistencia característica (N/mm <sup>2</sup> )	25
Módulo de Elasticidad (daN/cm <sup>2</sup> )	30.472
Peso Específico (daN/m <sup>3</sup> )	2.400
Coefficiente de minoración	1,50

## 4. GEOMETRÍA DEL PERFIL

El perfil **INCO 70.4 Colaborante** posee un conjunto de embuticiones para garantizar el funcionamiento solidario entre el perfil y el hormigón una vez fraguado.

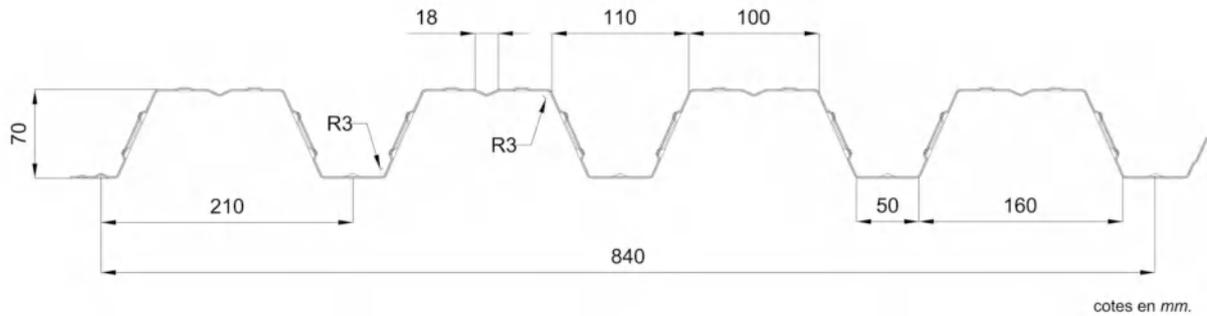
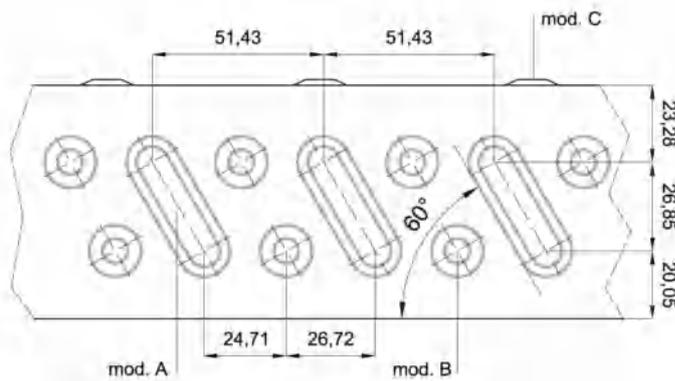


Fig. 1. "Geometría del perfil INCO 70.4 Colaborante"

El diseño exclusivo de las embuticiones, fruto de la colaboración del departamento de I+D con la *Universidad Politécnica de Valencia (UPV)* y la *Universidad Politécnica de Cataluña (UPC)*, evitan el deslizamiento entre la chapa y el hormigón y a su vez garantizan la transferencia de esfuerzos.



PROFUNDIDAD EMBUTICIONES

espesor	mod. A	mod. B	mod. C
0,80	2,00	2,80	1,60
1,00	2,15	3,00	1,80
1,20	2,30	3,20	2,00

cotas en mm.

Fig. 2. "Diseño de las embuticiones del perfil INCO 70.4 Colaborante"

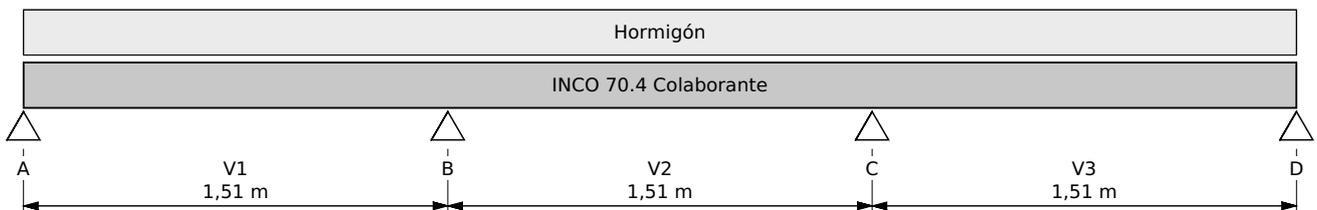
**5. GEOMETRÍA DE LA ESTRUCTURA**

LONGITUDES DE LOS VANOS			
Configuración	Vanos	Id. Vanos	Longitud (m)
C1. Configuración 1	Vano 1	V1	1,51
	Vano 2	V2	1,51
	Vano 3	V3	1,51
C2. Configuración 2	Vano 1	V1	1,51
	Vano 2	V2	1,51
	Vano 3	V3	1,51

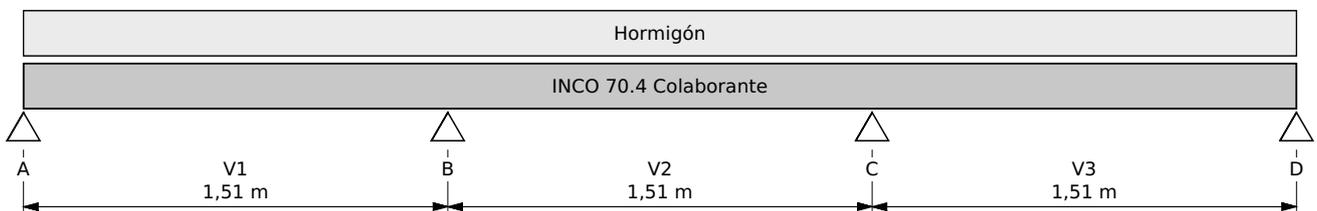
*Nota: La longitud de cada vano es la medida de la distancia entre ejes de apoyos. La numeración de los vanos y nudos se realiza de izquierda a derecha.*

Representación gráfica inicial de las distintas configuraciones:

**C1. Configuración 1**



**C2. Configuración 2**



## 6. ACCIONES SOBRE LA ESTRUCTURA EN FASE MIXTA

Las acciones indicadas en el presente documento han sido facilitadas por el cliente o en su defecto obtenidas de acuerdo a la normativa, *CTE Documento Básico SE-AE "Acciones en la edificación"*, las mismas quedan supeditadas a su aprobación por parte de la Dirección Facultativa.

ACCIONES CARACTERÍSTICAS PERMANENTES			
		C1	C2
PP	Peso Propio Forjado (kN/m <sup>2</sup> )	4,06	3,35

ACCIONES CARACTERÍSTICAS VARIABLES			
		C1	C2
SU	Sobrecarga de Uso (kN/m <sup>2</sup> )	9,00	9,00

Nota: "C1 y C2" corresponden con las configuraciones especificadas en el apartado 5.

ACCIONES CARACTERÍSTICAS VARIABLES PUNTUALES						
Configuración	Nudo	Distancia (m)	Dim. A (m)	Dim. B (m)	Carga (kN/m)	
C1. Configuración 1	A	0,76	0,20	0,20	100,00	
	B	1,05	0,20	0,20	100,00	
C2. Configuración 2	A	1,37	0,20	0,20	100,00	
	B	0,15	0,20	0,20	100,00	

Nota: La numeración de los nudos se realiza de izquierda a derecha. Los extremos de los voladizos serán considerados como nudos. El valor que consta en la tabla es la distancia entre el punto de aplicación de la carga puntual y el nudo que queda a su izquierda. Ver las representaciones gráficas de las configuraciones en el punto "5. Geometría de la estructura".

El valor de cálculo de los efectos de las acciones se determina mediante la combinación de las acciones según el *CTE Documento Básico SE "Seguridad Estructural"* a partir de los valores de los coeficientes de seguridad y simultaneidad correspondientes.

COMBINACIÓN DE ACCIONES			
C1. Configuración 1		Tipo de forjado: Intermedio	
Estados Límites	Combinaciones	kN/m <sup>2</sup>	
ELU	1,35 · PP + 1,50 · SU	<b>18,72</b>	
ELS	1,00 · CP + 1,00 · SU	<b>8,83</b>	
C2. Configuración 2		Tipo de forjado: Intermedio	
Estados Límites	Combinaciones	kN/m <sup>2</sup>	
ELU	1,35 · PP + 1,50 · SU	<b>17,77</b>	
ELS	1,00 · CP + 1,00 · SU	<b>8,83</b>	

Nota: Los valores remarcados en negrita, resultantes de la combinación de acciones, son los empleados para realizar los cálculos en fase mixta ( $Q_{m\acute{a}x. ELU}$ ,  $Q_{m\acute{a}x. ELS}$ ).

## 7. PROTECCIÓN FRENTE AL FUEGO

La resistencia al fuego del forjado colaborante objeto de cálculo se ha obtenido a partir del *Eurocódigo 4 (UNE-EN 1994-1-2) "Reglas generales para estructuras sometidas al fuego"*. El forjado colaborante no precisa de un análisis explícito del comportamiento bajo condiciones de fuego, cuando la resistencia al fuego requerida no supera los 30 minutos (REI 30).

Para resistencias por encima de los 30 minutos podría ser necesario adoptar medidas adicionales de protección al fuego, como por ejemplo:

- Armaduras de refuerzo adicional.
- Revestimientos proyectados o placas de protección.
- Falsos techos a modo de pantallas protectoras.

Los criterios utilizados para caracterizar la resistencia al fuego del forjado colaborante, según el *Eurocódigo 4 (UNE-EN 1994-1-2) "Reglas generales para estructuras sometidas al fuego"*, son:

- Capacidad Portante (*R, Resistance*), asegura la capacidad de un elemento estructural para soportar cargas durante la acción del fuego.
- Integridad (*E, Integrity*), asegura la capacidad de un elemento de compartimentación para prevenir el paso de las llamas o gases calientes.
- Aislamiento Térmico (*I, Insulation*), asegura la capacidad de un elemento de compartimentación para evitar la transmisión excesiva de calor.

Los cálculos de la resistencia al fuego del forjado colaborante, en caso de ser necesarios, se han realizado mediante un armado de refuerzo adicional por valle para garantizar unas *exigencias globales REI*. Se entiende por exigencias globales REI el tiempo mínimo en el cual se cumplen todos los criterios de capacidad portante, integridad y aislamiento térmico.

Por lo tanto, la clasificación de la resistencia al fuego del forjado colaborante calculado en el presente informe según *RD 842/2013, Anexo III Clasificación 2. Suelos y Cubiertas*, es la siguiente:

RESISTENCIA AL FUEGO DEL FORJADO COLABORANTE		
	C1	C2
Clasificación Resistencia al Fuego	REI 30	REI 30
Espesor Pavimento (mm)	0	0

*Nota: El tiempo se expresa en minutos, con una de las siguientes cifras: 30, 60, 90, 120, 180 y 240. Para mejorar el cumplimiento del criterio de aislamiento térmico de la losa mixta en resistencias al fuego superiores a REI30, se puede considerar el espesor de una posible capa de hormigón de nivelación o pavimento de características térmicas equivalentes. El espesor del pavimento/hormigón de nivelación se considera únicamente para el cálculo de la condición de aislamiento del forjado, no se añade la carga permanente correspondiente.*

Según el *RD 842/2013, Anexo I, Punto 1.2, Cuadro 1.2-1*, los materiales de los distintos componentes del forjado colaborante: acero galvanizado del perfil colaborante, acero de las armaduras pasivas y hormigón, se consideran productos pertenecientes a las clases A1 y A1<sub>FL</sub> de reacción al fuego sin necesidad de ensayo.

**8. RESULTADOS DEL CÁLCULO**

FASE MIXTA: FORJADO RESULTANTE		
Perfil: INCO 70.4 Colaborante	C1	C2
Espesor de la Chapa, e (mm)	1,20	1,20
Altura del Forjado, H (mm)	210	180
Losa de compresión, h (mm)	140	110
Armadura Antifisuración (mm)	200x200x10	100x100x6
Armadura Negativos Nudos Intermedios (mm/valle)	-- (2)	-- (2)
Armadura por Requerimiento de Fuego (mm/valle)	-- (3)	-- (3)

Nota: Los parámetros "H" y "h" son los definidos en la Fig. 4. El recubrimiento mecánico de la armadura antifisuración considerado es de 20 mm. Compruebe la disposición del armado del forjado colaborante, la disposición de los apoyos mínimos sobre estructura metálica y los remates perimetrales según lo indicado Fig. 4-6, respectivamente. (2) La cuantía necesaria de refuerzo de negativos queda incluida en la armadura antifisuración. (3) El forjado colaborante no precisa de armaduras de refuerzo por requerimiento de fuego cuando la resistencia al fuego no supera los 30 minutos (REI 30).

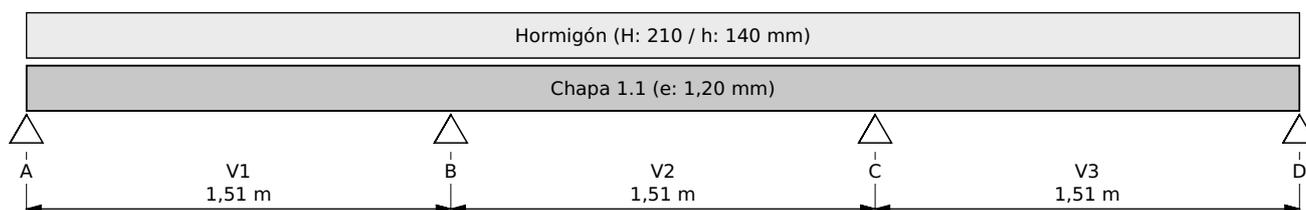
FASE ENCOFRADO: LINEAS DE PUNTALES			
Configuración	INCO 70.4 Colaborante	Vanos	Líneas de Puntales
C1. Configuración 1	Chapa 1.1	Vano 1	0
		Vano 2	0
		Vano 3	0
C2. Configuración 2	Chapa 2.1	Vano 1	0
		Vano 2	0
		Vano 3	0

Nota: Compruebe la disposición del apuntalamiento en fase de ejecución según lo indicado Fig. 13-15.

Representación gráfica final de los resultados del cálculo:

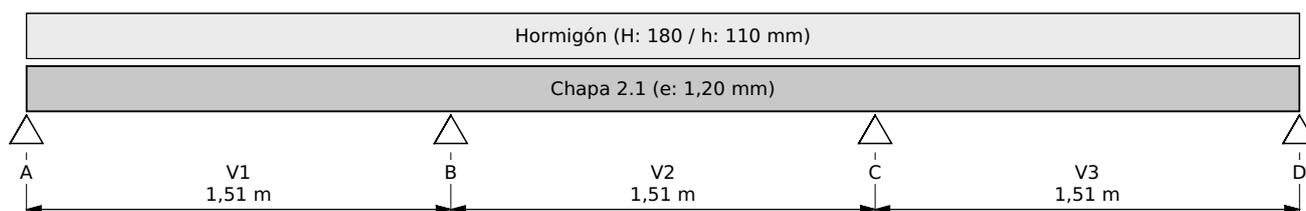
**C1. Configuración 1**

Ancho de apoyos: 100 mm. Apuntalamiento no necesario.



**C2. Configuración 2**

Ancho de apoyos: 100 mm. Apuntalamiento no necesario.



## INFORME DE CÁLCULO: INCO 70.4 Colaborante



*IMPORTANTE: Cualquier variación en obra de los parámetros especificados en los resultados del cálculo, la disposición de vanos y longitudes de las chapas deberá ser consultada con nuestro departamento técnico. Las longitudes de las chapas corresponden a la suma de las longitudes de los vanos indicados sin considerar los solapes necesarios. El apoyo mínimo del forjado sobre estructura metálica o de hormigón se realizará según lo indicado en la Fig. 5. Para conocer el apoyo mínimo sobre otros materiales (madera o mampostería) consultar con nuestro departamento técnico.*

## 9. VERIFICACIONES DE ESFUERZOS EN FASE MIXTA

En la fase mixta, donde existe una colaboración entre el hormigón fraguado y el perfil INCO 70.4 Colaborante, se tendrán en cuenta las propiedades de la sección conjunta de acuerdo con el *Eurocódigo 4 (UNE-EN 1994) Parte 1-1 "Reglas Generales para la Edificación"* y *Parte 1-2 "Reglas generales para estructuras sometidas al fuego"*.

Para Estados Límites Últimos (ELU) y Estados Límites de Servicio (ELS) se tendrán en cuenta todas las cargas, combinaciones y coeficientes correspondientes, según se indica en el *CTE Documento Básico SE-AE "Acciones en la edificación"* y tal como aparece reflejado en el apartado "6. Acciones sobre la estructura".

Para Estados Límites de Servicio (ELS) se han tenido en cuenta las siguientes limitaciones de flecha:

- Vanos  $\leq 3.00$  m: Flecha Máxima  $< L/350$
- Vanos  $> 3.00$  m: Flecha Máxima  $< L/700 + 5$  mm

FASE MIXTA		
Verificación ELU	C1	C2
$Q_{\text{máx. ELU}}$ (kN/m <sup>2</sup> ):	18,72	17,77
Flexión positivos (kN · m/m): $M_{\text{Ed}}^+ / M_{\text{Rd}}^+ \leq 1,00$	0,05 $\leq$ 1,00	0,09 $\leq$ 1,00
Flexión negativos (kN · m/m): $M_{\text{Ed}}^- / M_{\text{Rd}}^- \leq 1,00$	0,37 $\leq$ 1,00	0,19 $\leq$ 1,00
Esfuerzos rasantes (kN/m): $V_{\text{Ed}} / V_{\text{L,Rd}} \leq 1,00$	0,67 $\leq$ 1,00	0,19 $\leq$ 1,00
Cortante (kN/m): $V_{\text{Ed}} / V_{\text{V,Rd}} \leq 1,00$	0,66 $\leq$ 1,00	1,00 $\leq$ 1,00
Punzonamiento (kN/m): $v_{\text{v,Rd}} < Q_{\text{punzonamiento}}$	151,67 $<$ 215,35	150,54 $<$ 154,63
Verificación ELS		
$Q_{\text{máx. ELS}}$ (kN/m <sup>2</sup> ):	8,83	8,83
Fisuración hormigón (mm <sup>2</sup> /m): $A_{\text{min}} < A_{\text{Mallazo}}$	280 $<$ 393	220 $<$ 283
Flecha máx. centro vano (mm):	0,51 $<$ 4,31	0,10 $<$ 4,31

*Nota: En las Verificaciones realizadas para Estados Límites Ultimos (ELU) y Estados Límites de Servicios (ELS) se ha considerado la sobrecarga de uso distribuida uniformemente sobre todos los vanos. En Estados Límites de Servicios (ELS) el Peso Propio (PP) de la losa solo se considera en caso de apuntalamiento. Los apoyos mínimos considerados sobre estructura metálica serán de 75 mm para los extremos (a) y 100 mm para los intermedios (b). Para un apoyo intermedio (b) menor de 100 mm consultar con nuestro Departamento Técnico. Los valores (a) y (b) vienen especificados en la Fig. 8.*

**10. VERIFICACIONES DE ESFUERZOS EN FASE DE EJECUCIÓN**

En fase de ejecución, donde todavía no existe una colaboración entre el hormigón y el perfil INCO 70.4 Colaborante, se considerarán únicamente las propiedades mecánicas del perfil colaborante según lo establecido en el Eurocódigo 3 (UNE-EN 1993-1-3) "Reglas generales para elementos conformados en frío". Por lo tanto las cargas actuantes en fase de ejecución son las siguientes:

Estados Límites Últimos (ELU):

- Peso propio de la losa (perfil colaborante y hormigón vertido) (PP).
- Carga adicional de construcción de 75 daN/m<sup>2</sup> (S1).
- Carga de ejecución de 75 daN/m<sup>2</sup> (UNE-EN 1994-1-1 Capítulo 9.3.2) (S2).

Estados Límites de Servicio (ELS):

- Peso propio de la chapa y del hormigón vertido (PP).

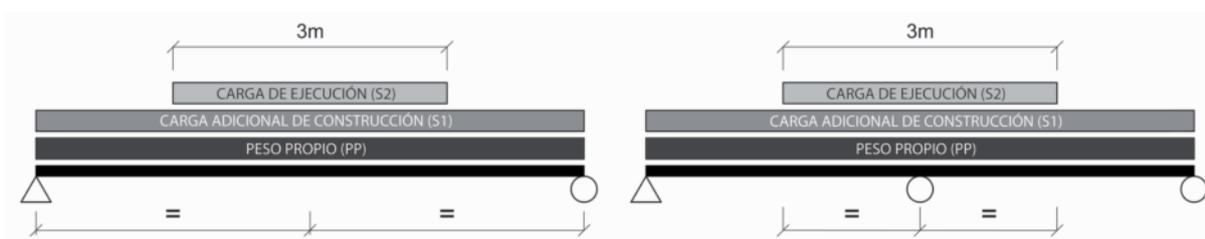


Fig. 3 "Distribución de la carga para momentos positivos y negativos en Estados Límites Últimos (ELU)"

<b>FASE ENCOFRADO</b>	
<b>C1. Configuración 1</b>	
Verificación ELU POSITIVO V1	Chapa 1.1
$Q_1$ (kN/m <sup>2</sup> ): 1,35 · PP + 1,50 · S1	6,61
$Q_2$ (kN/m <sup>2</sup> ): 1,35 · PP + 1,50 · (S1 + S2)	7,73
Flexión Positivos (N/mm <sup>2</sup> ): $M_{Ed}^+ / M_{c,Rd}^+ \leq 1,00$	0,16 ≤ 1,00
Momento y Cortante (daN): $(M_{Ed}^- / M_{c,Rd}^-)^2 + (V_{Ed} / V_{b,Rd})^2 \leq 1,00$	0,05 ≤ 1,00
Flexión Negativos (N/mm <sup>2</sup> ): $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,19 ≤ 1,00
Abolladura Apoyos: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,09 ≤ 1,00
Interacción Momento: $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,19 ≤ 1,00
Interacción Reacción: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,09 ≤ 1,00
Inter. Momento y Reacción: $M_{Ed}^- / M_{c,Rd}^- + F_{Ed} / R_{w,Rd} \leq 1,25$	0,28 ≤ 1,25
Verificación ELU POSITIVO V2	Chapa 1.1
$Q_1$ (kN/m <sup>2</sup> ): 1,35 · PP + 1,50 · S1	6,61
$Q_2$ (kN/m <sup>2</sup> ): 1,35 · PP + 1,50 · (S1 + S2)	7,73
Flexión Positivos (N/mm <sup>2</sup> ): $M_{Ed}^+ / M_{c,Rd}^+ \leq 1,00$	0,13 ≤ 1,00
Momento y Cortante (daN): $(M_{Ed}^- / M_{c,Rd}^-)^2 + (V_{Ed} / V_{b,Rd})^2 \leq 1,00$	0,04 ≤ 1,00
Flexión Negativos (N/mm <sup>2</sup> ): $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,18 ≤ 1,00
Abolladura Apoyos: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,09 ≤ 1,00
Interacción Momento: $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,18 ≤ 1,00
Interacción Reacción: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,09 ≤ 1,00

Inter. Momento y Reacción: $M_{Ed}^- / M_{c,Rd}^- + F_{Ed} / R_{w,Rd} \leq 1,25$	0,27 ≤ 1,25
<b>Verificación ELU POSITIVO V3</b>	<b>Chapa 1.1</b>
$Q_1$ (kN/m <sup>2</sup> ): 1,35 · PP + 1,50 · S1	6,61
$Q_2$ (kN/m <sup>2</sup> ): 1,35 · PP + 1,50 · (S1 + S2)	7,73
Flexión Positivos (N/mm <sup>2</sup> ): $M_{Ed}^+ / M_{c,Rd}^+ \leq 1,00$	0,16 ≤ 1,00
Momento y Cortante (daN): $(M_{Ed}^- / M_{c,Rd}^-)^2 + (V_{Ed} / V_{b,Rd})^2 \leq 1,00$	0,05 ≤ 1,00
Flexión Negativos (N/mm <sup>2</sup> ): $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,19 ≤ 1,00
Abolladura Apoyos: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,09 ≤ 1,00
Interacción Momento: $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,18 ≤ 1,00
Interacción Reacción: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,09 ≤ 1,00
Inter. Momento y Reacción: $M_{Ed}^- / M_{c,Rd}^- + F_{Ed} / R_{w,Rd} \leq 1,25$	0,27 ≤ 1,25
<b>Verificación ELU NEGATIVO AI1</b>	<b>Chapa 1.1</b>
$Q_1$ (kN/m <sup>2</sup> ): 1,35 · PP + 1,50 · S1	6,61
$Q_2$ (kN/m <sup>2</sup> ): 1,35 · PP + 1,50 · (S1 + S2)	7,73
Flexión Positivos (N/mm <sup>2</sup> ): $M_{Ed}^+ / M_{c,Rd}^+ \leq 1,00$	0,16 ≤ 1,00
Momento y Cortante (daN): $(M_{Ed}^- / M_{c,Rd}^-)^2 + (V_{Ed} / V_{b,Rd})^2 \leq 1,00$	0,05 ≤ 1,00
Flexión Negativos (N/mm <sup>2</sup> ): $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,20 ≤ 1,00
Abolladura Apoyos: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,10 ≤ 1,00
Interacción Momento: $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,20 ≤ 1,00
Interacción Reacción: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,10 ≤ 1,00
Inter. Momento y Reacción: $M_{Ed}^- / M_{c,Rd}^- + F_{Ed} / R_{w,Rd} \leq 1,25$	0,30 ≤ 1,25
<b>Verificación ELU NEGATIVO AI2</b>	<b>Chapa 1.1</b>
$Q_1$ (kN/m <sup>2</sup> ): 1,35 · PP + 1,50 · S1	6,61
$Q_2$ (kN/m <sup>2</sup> ): 1,35 · PP + 1,50 · (S1 + S2)	7,73
Flexión Positivos (N/mm <sup>2</sup> ): $M_{Ed}^+ / M_{c,Rd}^+ \leq 1,00$	0,16 ≤ 1,00
Momento y Cortante (daN): $(M_{Ed}^- / M_{c,Rd}^-)^2 + (V_{Ed} / V_{b,Rd})^2 \leq 1,00$	0,05 ≤ 1,00
Flexión Negativos (N/mm <sup>2</sup> ): $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,20 ≤ 1,00
Abolladura Apoyos: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,10 ≤ 1,00
Interacción Momento: $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,20 ≤ 1,00
Interacción Reacción: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,10 ≤ 1,00
Inter. Momento y Reacción: $M_{Ed}^- / M_{c,Rd}^- + F_{Ed} / R_{w,Rd} \leq 1,25$	0,30 ≤ 1,25
<b>Verificación ELS</b>	<b>Chapa 1.1</b>
Q (kN/m <sup>2</sup> ): 1,00 · PP	4,06
Flecha centro vano (mm): $f_{Máx.} \leq L / 180$ o 20 mm	0,52 ≤ 8,39
Embalsamiento (mm): $f_{Máx.} \leq H / 10$	0,52 ≤ 21,00
<b>C2. Configuración 2</b>	
<b>Verificación ELU POSITIVO V1</b>	<b>Chapa 2.1</b>
$Q_1$ (kN/m <sup>2</sup> ): 1,35 · PP + 1,50 · S1	5,65
$Q_2$ (kN/m <sup>2</sup> ): 1,35 · PP + 1,50 · (S1 + S2)	6,78

Flexión Positivos (N/mm <sup>2</sup> ): $M_{Ed}^+ / M_{c,Rd}^+ \leq 1,00$	0,14 ≤ 1,00
Momento y Cortante (daN): $(M_{Ed}^- / M_{c,Rd}^-)^2 + (V_{Ed} / V_{b,Rd})^2 \leq 1,00$	0,04 ≤ 1,00
Flexión Negativos (N/mm <sup>2</sup> ): $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,16 ≤ 1,00
Abolladura Apoyos: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,08 ≤ 1,00
Interacción Momento: $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,16 ≤ 1,00
Interacción Reacción: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,08 ≤ 1,00
Inter. Momento y Reacción: $M_{Ed}^- / M_{c,Rd}^- + F_{Ed} / R_{w,Rd} \leq 1,25$	0,24 ≤ 1,25

**Verificación ELU POSITIVO V2** **Chapa 2.1**

$Q_1$ (kN/m <sup>2</sup> ): $1,35 \cdot PP + 1,50 \cdot S1$	5,65
$Q_2$ (kN/m <sup>2</sup> ): $1,35 \cdot PP + 1,50 \cdot (S1 + S2)$	6,78
Flexión Positivos (N/mm <sup>2</sup> ): $M_{Ed}^+ / M_{c,Rd}^+ \leq 1,00$	0,11 ≤ 1,00
Momento y Cortante (daN): $(M_{Ed}^- / M_{c,Rd}^-)^2 + (V_{Ed} / V_{b,Rd})^2 \leq 1,00$	0,04 ≤ 1,00
Flexión Negativos (N/mm <sup>2</sup> ): $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,16 ≤ 1,00
Abolladura Apoyos: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,08 ≤ 1,00
Interacción Momento: $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,16 ≤ 1,00
Interacción Reacción: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,08 ≤ 1,00
Inter. Momento y Reacción: $M_{Ed}^- / M_{c,Rd}^- + F_{Ed} / R_{w,Rd} \leq 1,25$	0,24 ≤ 1,25

**Verificación ELU POSITIVO V3** **Chapa 2.1**

$Q_1$ (kN/m <sup>2</sup> ): $1,35 \cdot PP + 1,50 \cdot S1$	5,65
$Q_2$ (kN/m <sup>2</sup> ): $1,35 \cdot PP + 1,50 \cdot (S1 + S2)$	6,78
Flexión Positivos (N/mm <sup>2</sup> ): $M_{Ed}^+ / M_{c,Rd}^+ \leq 1,00$	0,14 ≤ 1,00
Momento y Cortante (daN): $(M_{Ed}^- / M_{c,Rd}^-)^2 + (V_{Ed} / V_{b,Rd})^2 \leq 1,00$	0,04 ≤ 1,00
Flexión Negativos (N/mm <sup>2</sup> ): $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,16 ≤ 1,00
Abolladura Apoyos: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,08 ≤ 1,00
Interacción Momento: $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,16 ≤ 1,00
Interacción Reacción: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,08 ≤ 1,00
Inter. Momento y Reacción: $M_{Ed}^- / M_{c,Rd}^- + F_{Ed} / R_{w,Rd} \leq 1,25$	0,24 ≤ 1,25

**Verificación ELU NEGATIVO A11** **Chapa 2.1**

$Q_1$ (kN/m <sup>2</sup> ): $1,35 \cdot PP + 1,50 \cdot S1$	5,65
$Q_2$ (kN/m <sup>2</sup> ): $1,35 \cdot PP + 1,50 \cdot (S1 + S2)$	6,78
Flexión Positivos (N/mm <sup>2</sup> ): $M_{Ed}^+ / M_{c,Rd}^+ \leq 1,00$	0,14 ≤ 1,00
Momento y Cortante (daN): $(M_{Ed}^- / M_{c,Rd}^-)^2 + (V_{Ed} / V_{b,Rd})^2 \leq 1,00$	0,04 ≤ 1,00
Flexión Negativos (N/mm <sup>2</sup> ): $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,18 ≤ 1,00
Abolladura Apoyos: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,09 ≤ 1,00
Interacción Momento: $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,18 ≤ 1,00
Interacción Reacción: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,09 ≤ 1,00
Inter. Momento y Reacción: $M_{Ed}^- / M_{c,Rd}^- + F_{Ed} / R_{w,Rd} \leq 1,25$	0,27 ≤ 1,25

**Verificación ELU NEGATIVO A12** **Chapa 2.1**

$Q_1$ (kN/m <sup>2</sup> ): $1,35 \cdot PP + 1,50 \cdot S1$	5,65
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## INFORME DE CÁLCULO: INCO 70.4 Colaborante

$Q_2$ (kN/m <sup>2</sup> ): $1,35 \cdot PP + 1,50 \cdot (S1 + S2)$	6,78
Flexión Positivos (N/mm <sup>2</sup> ): $M_{Ed}^+ / M_{c,Rd}^+ \leq 1,00$	0,14 $\leq$ 1,00
Momento y Cortante (daN): $(M_{Ed}^- / M_{c,Rd}^-)^2 + (V_{Ed} / V_{b,Rd})^2 \leq 1,00$	0,04 $\leq$ 1,00
Flexión Negativos (N/mm <sup>2</sup> ): $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,18 $\leq$ 1,00
Abolladura Apoyos: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,09 $\leq$ 1,00
Interacción Momento: $M_{Ed}^- / M_{c,Rd}^- \leq 1,00$	0,17 $\leq$ 1,00
Interacción Reacción: $F_{Ed} / R_{w,Rd} \leq 1,00$	0,09 $\leq$ 1,00
Inter. Momento y Reacción: $M_{Ed}^- / M_{c,Rd}^- + F_{Ed} / R_{w,Rd} \leq 1,25$	0,26 $\leq$ 1,25
<b>Verificación ELS</b>	<b>Chapa 2.1</b>
$Q$ (kN/m <sup>2</sup> ): $1,00 \cdot PP$	3,35
Flecha centro vano (mm): $f_{M\acute{a}x.} \leq L / 180$ o 20 mm	0,43 $\leq$ 8,39
Embalsamiento (mm): $f_{M\acute{a}x.} \leq H / 10$	0,43 $\leq$ 18,00

*Nota: S1/S2/PP son los valores de la carga según Fig. 3. V(1,2,3,...) son los Vanos y AI(1,2,3,...) son los Apoyos Intermedios considerados en el cálculo, incluyendo tanto los apoyos de la estructura como las líneas de puntales, cuya numeración se realiza de izquierda a derecha y reiniciándose para cada chapa.*

**11. DOCUMENTACIÓN GRÁFICA**

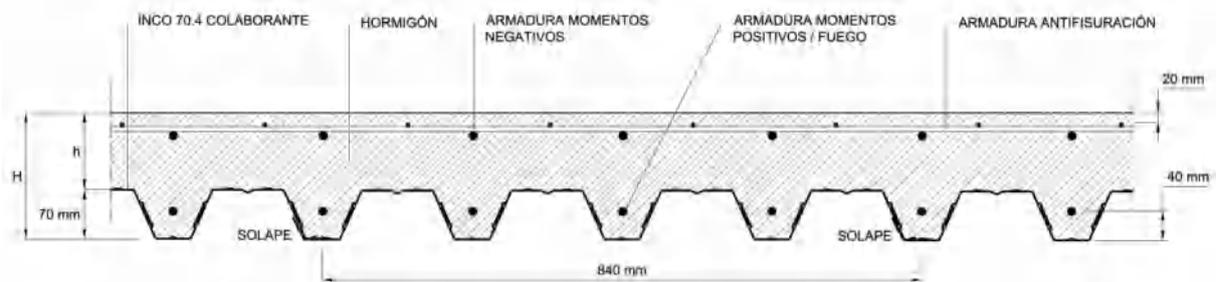


Fig. 4 “Disposición de las armaduras de positivos/fuego, negativos y armadura antifisuración”

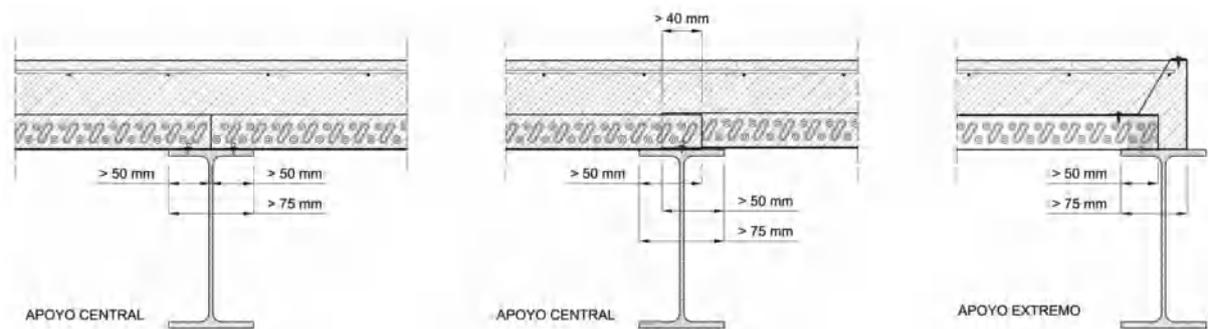


Fig. 5 “Disposición de apoyos mínimos sobre estructura metálica según Eurocódigo 4”

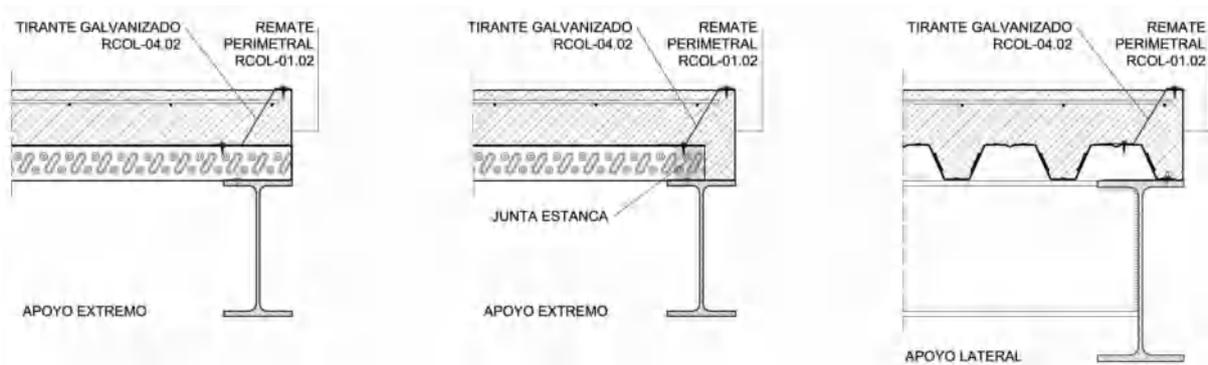


Fig. 6 “Disposición los remates perimetrales de encofrado”

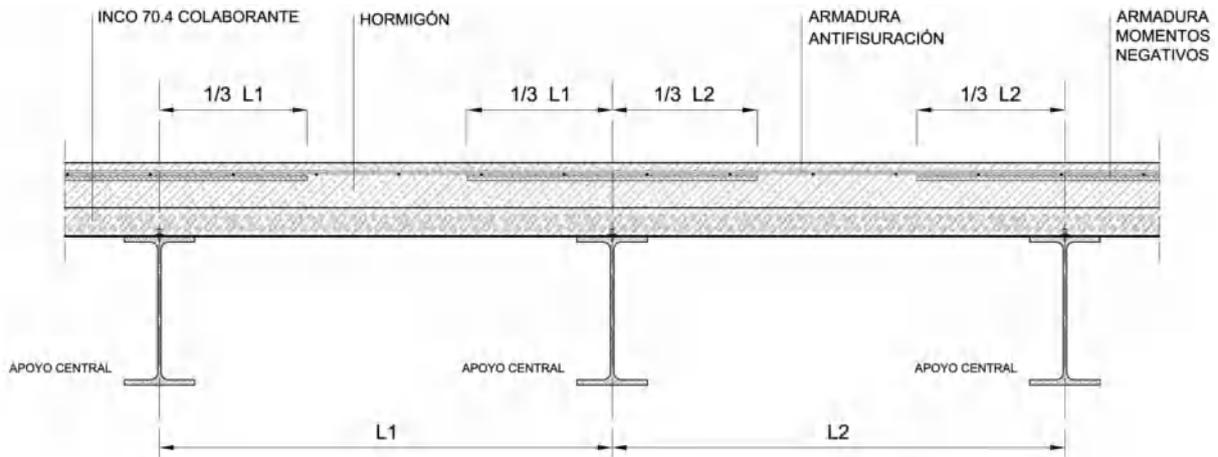


Fig. 7 "Disposición de las armaduras de negativos sobre apoyos intermedios"

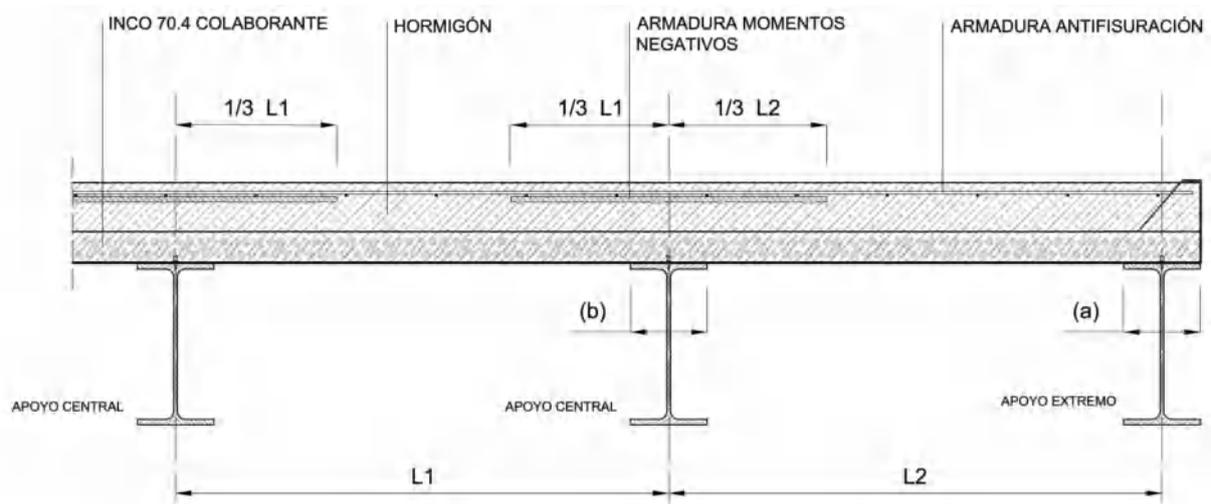


Fig. 8 "Disposición de las armaduras de negativos sobre apoyos intermedios y extremo"

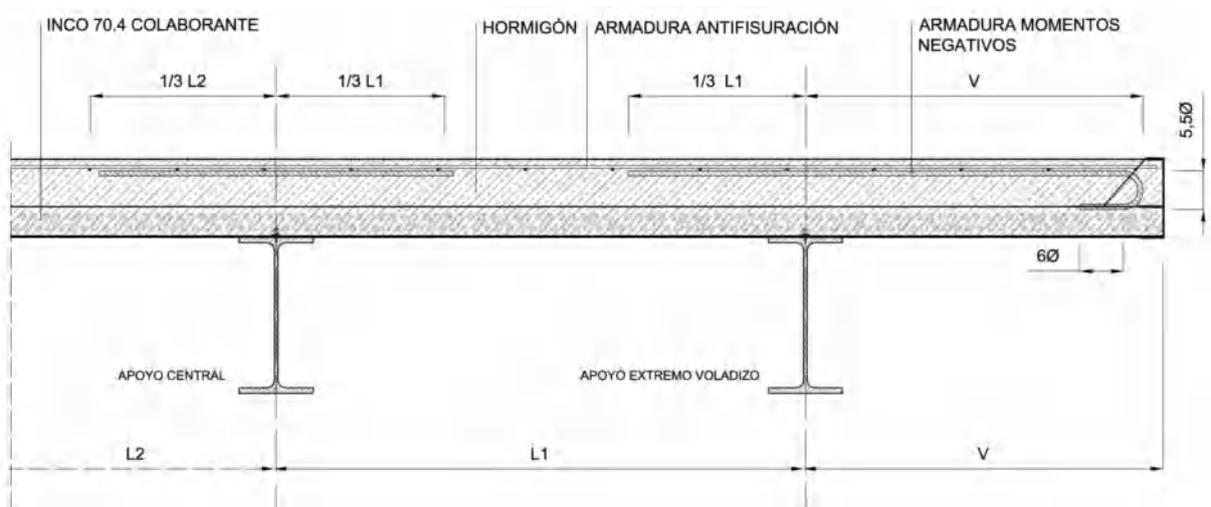


Fig. 9 "Disposición de las armaduras de negativos sobre apoyos intermedios y voladizo"

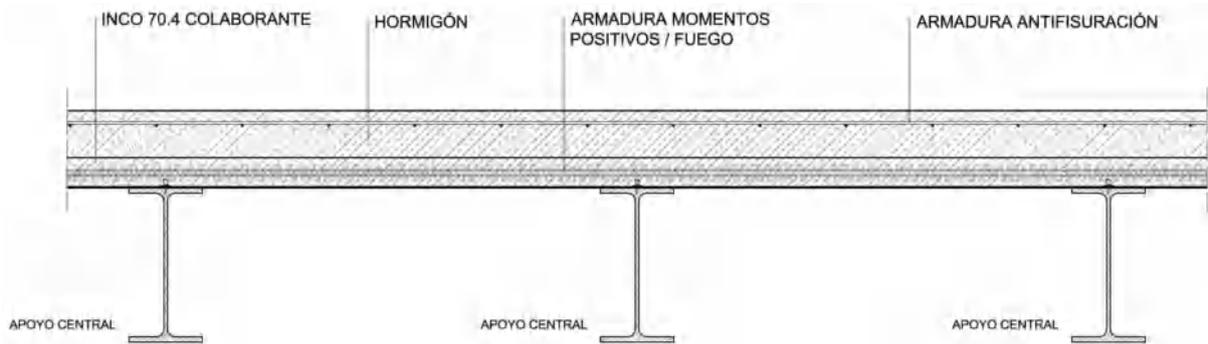


Fig. 10 "Disposición de las armaduras de positivos/fuego sobre apoyos intermedios"

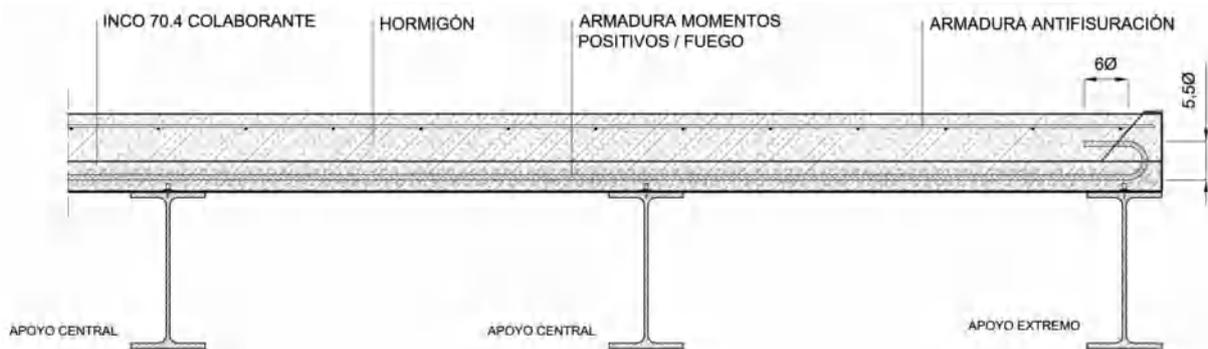


Fig. 11 "Disposición de las armaduras de positivos/fuego sobre apoyos intermedios y extremo"

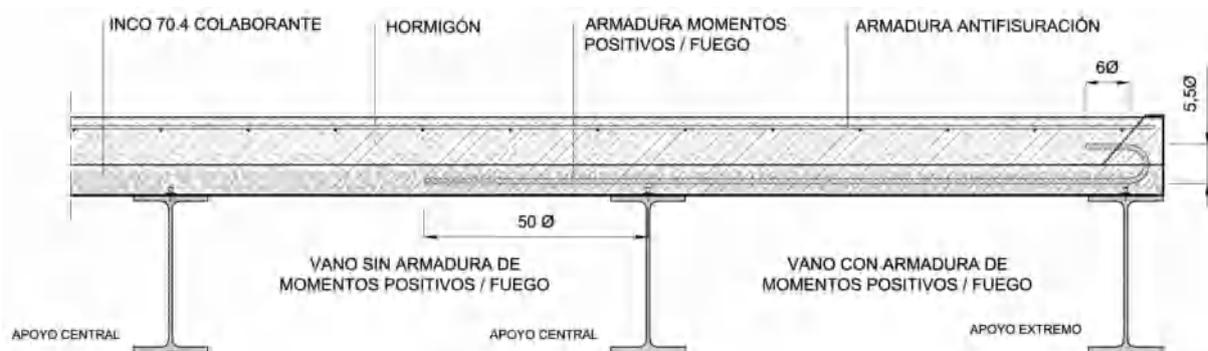


Fig. 12 "Disposición de las armaduras de positivos/fuego sobre apoyos intermedios y extremo"

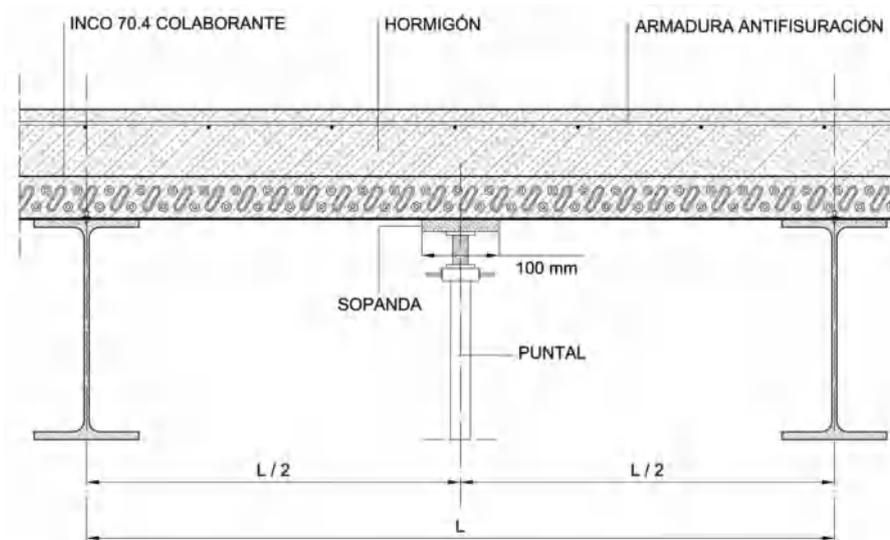
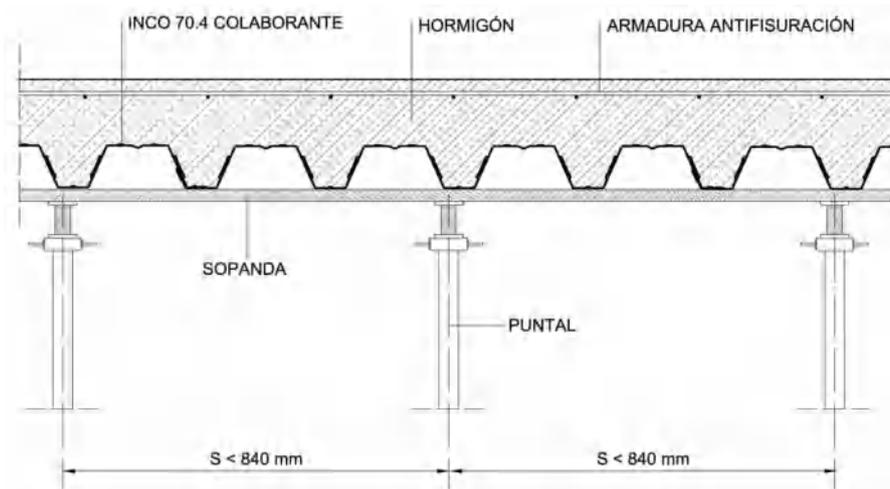


Fig. 13 "Vista lateral de la colocación de los puntales en centro de vano. Una línea de puntales"



S = SEPARACIÓN ENTRE PUNTALES

cotas en mm.

Fig. 14 "Vista frontal de la colocación de los puntales en centro de vano. Una línea de puntales"

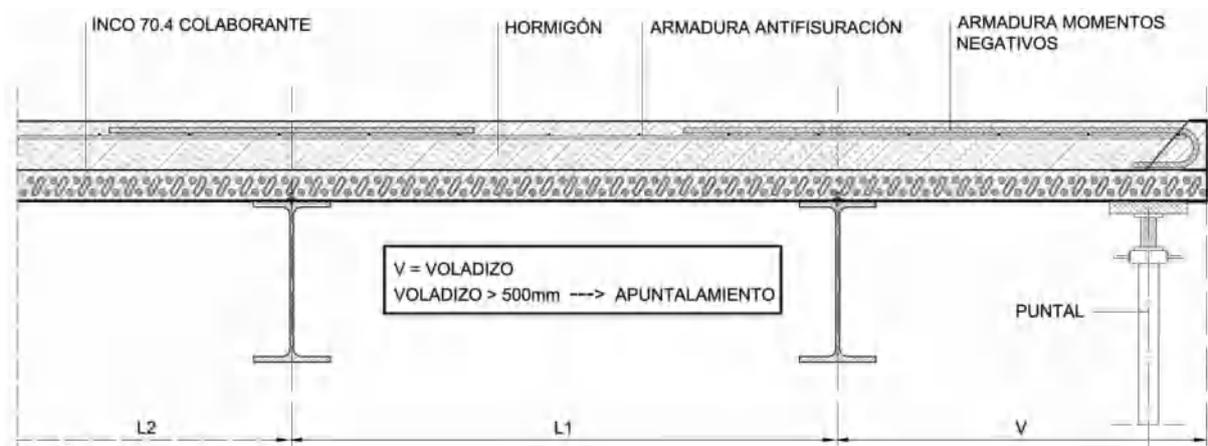


Fig. 15 "Vista lateral de la colocación de los puntales en voladizo de longitud mayor de 500 mm"

### 12. CRITERIOS UTILIZADOS PARA EL ANÁLISIS

El método utilizado siguiendo las especificaciones del *Eurocódigo 4 (UNE-EN 1994-1-1) "Losas mixtas en edificación con chapa nervada. Capítulo 9.4.2 Análisis como losa mixta"* es el siguiente:

- a. Análisis lineal con redistribución, siendo apropiadas para los Estados Límites de Servicio (ELS) y Últimos (ELU). El citado *Eurocódigo 4 (UNE-EN 1994-1-1)* admite una redistribución del 30% en apoyos incrementándose el correspondiente valor en el centro de vano.
- b. Análisis rígido-plástico global, basado en el método cinemática o bien en el método estático, siempre que se haya demostrado que en las secciones que hemos considerado rótulas plásticas tengan suficiente capacidad de rotación.
- c. Análisis elasto-plástico, teniendo presente la no linealidad de los materiales.

El método de análisis empleado será el definido en el apartado a, siendo el apropiado para los Estados Límites de Servicio (ELS), así como para los Estados Límites Últimos (ELU).

# **ANEXO A02\_4 MUROS DE HORMIGÓN ARMADO**

**MUROS ALINEACIÓN A y B****COMPROBACIÓN DE SECCIONES. PRONTUARIO INFORMÁTICO DEL HORMIGÓN ESTRUCTURAL 3.1.9 SEGÚN EHE-08****MATERIALES**

Muro	A, B	
Sección	M65	
Tipificación del hormigón	HA30-B/20/IIa	
Tipo de acero	B500-S	
$f_{ck}$	30	N/mm <sup>2</sup>
$f_{yk}$	500	N/mm <sup>2</sup>
$\gamma_c$	1.50	-
$\gamma_s$	1.15	-
Recubrimiento nominal min.	30	mm
Máx. relación agua/cem.	0.6	-
Mín. contenido cem.	275	kg/m <sup>3</sup>
Resistencia mín. compatible	25	N/mm <sup>2</sup>
Vida útil	50	años

**ARMADURA VERTICAL TRADOS INFERIOR****CARACTERÍSTICAS MECÁNICAS**

## Sección

b	1.00 m	<i>Ancho</i>
h	0.65 m	<i>Canto</i>
$r_i$	0.05 m	<i>Recubrimiento inferior</i>
$r_s$	0.05 m	<i>Recubrimiento superior</i>
$A_i$	3420 mm <sup>2</sup>	<i>Armado vertical trasdos</i>
$A_s$	1330 mm <sup>2</sup>	<i>Armado vertical intrados</i>
Sección bruta		
A	0.65 m <sup>2</sup>	<i>Área</i>
$I_x$	0.0229 m <sup>4</sup>	<i>Momento de inercia</i>
$I_y$	0.0542 m <sup>4</sup>	<i>Momento de inercia</i>
$i_x$	0.19 m	<i>Radio de giro</i>

$i_y$	0.29 m	<i>Radio de giro</i>
$x'_g$	0.50 m	<i>Coordenada del centro de gravedad</i>
$y'_g$	0.33 m	<i>Coordenada del centro de gravedad</i>
Sección homogeneizada		
A	0.683 m <sup>2</sup>	<i>Área</i>
$I_x$	0.0254 m <sup>4</sup>	<i>Momento de inercia</i>
$I_y$	0.0564 m <sup>4</sup>	<i>Momento de inercia</i>
$i_x$	0.19 m	<i>Radio de giro</i>
$i_y$	0.29 m	<i>Radio de giro</i>
$x'_g$	0.50 m	<i>Coordenada del centro de gravedad</i>
$y'_g$	0.33 m	<i>Coordenada del centro de gravedad</i>
Sección fisurada		
$I_x$	0.0061 m <sup>4</sup>	<i>Momento de inercia</i>
$M_{fis}$	230.3 kN·m	<i>Momento de fisuración (N=0)</i>
$y'_{fis}$	0.14 m	<i>Profundida fibra neurta fisurada</i>

**ELU**

## FLEXIÓN COMPUESTA

$N_{Ed}$	353.9 kN	<i>Axil de cálculo</i>
$M_{Ed}$	634.63 kN·m	<i>Momento flector de cálculo</i>
$N_{Rd}$	361 kN	<i>Axil resistente</i>
$M_{Rd}$	647.6 kN·m	<i>Momento flector resistente</i>
x	0.085 m	<i>Profundidad de la fibra neutra</i>
1/r	19.4 km <sup>-1</sup>	<i>Curvatura</i>
$\varepsilon_s$	1.7 ·10 <sup>-3</sup>	<i>Deformación fibra sup.</i>
$\varepsilon_i$	-11.00 ·10 <sup>-3</sup>	<i>Deformación fibra inf.</i>

**CUMPLE**

## CORTANTE

$V_{u1}$	3600 kN	<i>Cortante de agotamiento de las bielas</i>
$V_{u2}$	325.5 kN	<i>Cortante de agotamiento de los tirantes</i>
$V_{cu}$	325.5 kN	<i>Contribución del hormigón a la resistencia</i>
$V_{su}$	0 kN	<i>Contribución de la armadura transversal</i>
$V_u$	325.5 kN	<i>Resistencia a cortante</i>
$V_{Ed}$	244.5 kN	<i>Cortante de cálculo</i>

**CUMPLE**

**ELS**

## Fisuración

$M_k$	425 kN·m	Momento de cálculo combinación cuasi-permanete
$s_m$	165 mm	Separación entre fisuras
$\epsilon_{sm}$	0.98 $1 \cdot E^{-3}$	Deformación media de las fisuras
$\sigma_{sr}$	120.4 N/mm <sup>2</sup>	Tensión en las armaduras en instante fisuración
$\sigma_s$	227.3 N/mm <sup>2</sup>	Tensión en las armaduras en servicio
$w_{k \max}$	0.3 mm	Apertura de fisura límite
$w_k$	0.27 mm	Apertura de fisura obtenida

**CUMPLE****CUANTÍAS MÍNIMAS**

Armadura vertical trasdos	5.26 ‰	Cuantía dispuesta cara traccionada
Armadura vertical intrados	2.05 ‰	Cuantía dispuesta en intrados (30% cara a tracción)
Armadura geométrica mín.	0.9 ‰	Cuantía geométrica mínima EHE 42.3.5

**CUMPLE**

$A_{s, \text{trados}}$	3420 mm <sup>2</sup>	Armadura dispuesta en trasdos
$A_{s, \text{intrados}}$	1330 mm <sup>2</sup>	Armadura dispuesta en intrados
$A_{s, \text{mec}}$	866.0 mm <sup>2</sup>	Armadura mecánica mín. EHE 42.3.2

**CUMPLE****ARMADURA VERTICAL TRASDOS SUPERIOR**

## CARACTERÍSTICAS MECÁNICAS

## Sección

$b$	1.00 m	Ancho
$h$	0.65 m	Canto
$r_i$	0.05 m	Recubrimiento inferior
$r_s$	0.05 m	Recubrimiento superior
$A_i$	1330 mm <sup>2</sup>	Armado vertical trasdos
$A_s$	1330 mm <sup>2</sup>	Armado vertical intrados
Sección bruta		
$A$	0.65 m <sup>2</sup>	Área
$I_x$	0.0229 m <sup>4</sup>	Momento de inercia
$I_y$	0.0542 m <sup>4</sup>	Momento de inercia
$i_x$	0.19 m	Radio de giro
$i_y$	0.29 m	Radio de giro
$x'_g$	0.50 m	Coordenada del centro de gravedad

$y'_g$	0.33 m	<i>Coordenada del centro de gravedad</i>
Sección homogeneizada		
A	0.669 m <sup>2</sup>	<i>Área</i>
$I_x$	0.0243 m <sup>4</sup>	<i>Momento de inercia</i>
$I_y$	0.0554 m <sup>4</sup>	<i>Momento de inercia</i>
$i_x$	0.19 m	<i>Radio de giro</i>
$i_y$	0.29 m	<i>Radio de giro</i>
$x'_g$	0.50 m	<i>Coordenada del centro de gravedad</i>
$y'_g$	0.32 m	<i>Coordenada del centro de gravedad</i>
Sección fisurada		
$I_x$	0.0027 m <sup>4</sup>	<i>Momento de inercia</i>
$M_{fis}$	216.5 kN·m	<i>Momento de fisuración (N=0)</i>
$y'_{fis}$	0.09 m	<i>Profundidad fibra neutra fisurada</i>
<b>ELU</b>		
FLEXIÓN COMPUESTA		
$N_{Ed}$	283.5 kN	<i>Axil de cálculo</i>
$M_{Ed}$	233.5 kN·m	<i>Momento flector de cálculo</i>
$N_{Rd}$	560.9 kN	<i>Axil resistente</i>
$M_{Rd}$	562.0 kN·m	<i>Momento flector resistente</i>
x	0.081 m	<i>Profundidad de la fibra neutra</i>
1/r	19.3 km <sup>-1</sup>	<i>Curvatura</i>
$\epsilon_s$	1.6 ·10 <sup>-3</sup>	<i>Deformación fibra sup.</i>
$\epsilon_i$	-11 ·10 <sup>-3</sup>	<i>Deformación fibra inf.</i>
<b>CUMPLE</b>		
CORTANTE		
$V_{u1}$	3600 kN	<i>Cortante de agotamiento de las bielas</i>
$V_{u2}$	325.5 kN	<i>Cortante de agotamiento de los tirantes</i>
$V_{cu}$	325.5 kN	<i>Contribución del hormigón a la resistencia</i>
$V_{su}$	0 kN	<i>Contribución de la armadura transversal</i>
$V_u$	325.5 kN	<i>Resistencia a cortante</i>
$V_{Ed}$	108.2 kN	<i>Cortante de cálculo</i>
<b>CUMPLE</b>		
<b>ELS</b>		
Fisuración		
$M_k$	139 kN·m	<i>Momento de cálculo combinación cuasi-permanete</i>

$s_m$	244 mm	Separación entre fisuras
$\epsilon_{sm}$	0.41 $1 \cdot E^{-3}$	Deformación media de las fisuras
$\sigma_{sr}$	312.3 N/mm <sup>2</sup>	Tensión en las armaduras en instante fisuración
$\sigma_s$	205.3 N/mm <sup>2</sup>	Tensión en las armaduras en servicio
$w_{k \max}$	0.3 mm	Apertura de fisura límite
$w_k$	0.17 mm	Apertura de fisura obtenida

**CUMPLE****CUANTÍAS MÍNIMAS**

Armadura vertical trasdos	2.05 ‰	Cuantía dispuesta cara traccionada
Armadura vertical intrados	2.05 ‰	Cuantía dispuesta en intrados (30% cara a tracción)
Armadura geométrica mín.	0.9 ‰	Cuantía geométrica mínima EHE 42.3.5

**CUMPLE**

$A_{s, \text{ trasdos}}$	1330 mm <sup>2</sup>	Armadura dispuesta en trasdos
$A_{s, \text{ intrados}}$	1330 mm <sup>2</sup>	Armadura dispuesta en intrados
$A_{s, \text{ mec}}$	866.0 mm <sup>2</sup>	Armadura mecánica mín. EHE 42.3.2

**CUMPLE****ARMADURA HORIZONTAL****CARACTERÍSTICAS MECÁNICAS**

## Sección

$b$	1.00 m	Ancho
$h$	0.65 m	Canto
$r_i$	0.05 m	Recubrimiento inferior
$r_s$	0.05 m	Recubrimiento superior
$A_i$	1130 mm <sup>2</sup>	Armado horizontal trasdos
$A_s$	1130 mm <sup>2</sup>	Armado horizontal intrados

## Sección bruta

$A$	0.65 m <sup>2</sup>	Área
$I_x$	0.0229 m <sup>4</sup>	Momento de inercia
$I_y$	0.0542 m <sup>4</sup>	Momento de inercia
$i_x$	0.19 m	Radio de giro
$i_y$	0.29 m	Radio de giro
$x'_g$	0.50 m	Coordenada del centro de gravedad
$y'_g$	0.33 m	Coordenada del centro de gravedad

## Sección homogeneizada

A	0.666 m <sup>2</sup>	Área
I <sub>x</sub>	0.0241 m <sup>4</sup>	Momento de inercia
I <sub>y</sub>	0.0552 m <sup>4</sup>	Momento de inercia
i <sub>x</sub>	0.19 m	Radio de giro
i <sub>y</sub>	0.29 m	Radio de giro
x' <sub>g</sub>	0.50 m	Coordenada del centro de gravedad
y' <sub>g</sub>	0.32 m	Coordenada del centro de gravedad

## Sección fisurada

I <sub>x</sub>	0.0032 m <sup>4</sup>	Momento de inercia
M <sub>fis</sub>	214.6 kN·m	Momento de fisuración (N=0)
y' <sub>fis</sub>	0.09 m	Profundidad fibra neutra fisurada

**ELU**

## FLEXIÓN SIMPLE

M <sub>Ed</sub>	265.7 kN·m	Momento flector de cálculo
M <sub>Rd</sub>	284.4 kN·m	Momento flector resistente
x	0.055 m	Profundidad de la fibra neutra
1/r	18.3 km <sup>-1</sup>	Curvatura
ε <sub>s</sub>	1 ·10 <sup>-3</sup>	Deformación fibra sup.
ε <sub>i</sub>	-10.90 ·10 <sup>-3</sup>	Deformación fibra inf.

**CUMPLE**

## CORTANTE

V <sub>u1</sub>	3600 kN	Cortante de agotamiento de las bielas
V <sub>u2</sub>	325.5 kN	Cortante de agotamiento de los tirantes
V <sub>cu</sub>	325.5 kN	Contribución del hormigón a la resistencia
V <sub>su</sub>	0 kN	Contribución de la armadura transversal
V <sub>u</sub>	325.5 kN	Resistencia a cortante
V <sub>Ed</sub>	167.3 kN	Cortante de cálculo

**CUMPLE****ELS**

## Fisuración

M <sub>k</sub>	176.1 kN·m	Momento de cálculo combinación cuasi-permanente
S <sub>m</sub>	197 mm	Separación entre fisuras
ε <sub>sm</sub>	0.55 1·E <sup>-3</sup>	Deformación media de las fisuras
σ <sub>sr</sub>	336.1 N/mm <sup>2</sup>	Tensión en las armaduras en instante fisuración

$\sigma_s$	276.4 N/mm <sup>2</sup>	Tensión en las armaduras en servicio
$w_{k\max}$	0.3 mm	Apertura de fisura límite
$w_k$	0.19 mm	Apertura de fisura obtenida

**CUMPLE**

Fisuración por temperatura y retracción hormigón a tiempo infinito

$f_{ct}^j$	1.8 N/mm <sup>2</sup>	Resistencia a tracción del hormigón a 3 días.
$f_{yk}$	500 N/mm <sup>2</sup>	Resistencia característica armadura
$E_c$	20 kN/mm <sup>2</sup>	Módulo elástico hormigón
$\rho_{\min}$	<b>3.60</b> ‰	Cuantía geométrica mínima
$A'c$	500000 mm <sup>2</sup>	Área efectiva de la sección
$A_{s,\min}$	1800 mm <sup>2</sup>	Área de armado mínimo necesario

**CUMPLE**

$\tau_b$	2.8 N/mm <sup>2</sup>	Tensión de adherencia en hormigones jóvenes
$c$	50 mm	Recubrimiento armadura
$\emptyset$	12 mm	Diámetro armado
$A_s$	1130 mm <sup>2</sup>	Área armadura dispuesto en una cara
$A_{c,eff}$	250000 mm <sup>2</sup>	Área eficaz de la sección para una cara
$S_{\max}$	1072.65 mm	Separación entre fisuras máxima
$T_1$	30 °C	Variación temperatura contracción térmica inicial
$T_2^*$	0 °C	Variación estacional de temperatura
$R$	0.5 -	Coef.grado de coacción axil
$\alpha$	6.0E-06 -	Coef. Dilatación térmica del hormigón
$\epsilon_{cd}$	0.00027 -	Deformación retracción por secado
$w_{k\max}$	0.3 mm	Apertura de fisura límite
$w_{k\_early}$	NO mm	Fisura producida a edad temprana
$w_{k\_long}$	0.24 mm	Fisura total producida a 10000 días

**CUMPLE**

\*Notas: Con juntas de contracción abiertas 4 días

**CUANTÍAS MÍNIMAS**

Armadura hor. trasdos	3.48 ‰	Cuantía dispuesta en trasdos
Armadura geométrica mín.	3.20 ‰	Cuantía geométrica mínima EHE 42.3.5

**CUMPLE**

$A_{s, trasdos}$	1130 mm <sup>2</sup>	Armadura dispuesta en trasdos
$A_{s, intrados}$	1130 mm <sup>2</sup>	Armadura dispuesta en intrados
$A_{s, mec}$	866.0 mm <sup>2</sup>	Armadura mecánica mín. EHE 42.3.2

**MUROS ALINEACIÓN 1 y 8****COMPROBACIÓN DE SECCIONES. PRONTUARIO INFORMÁTICO DEL HORMIGÓN ESTRUCTURAL 3.1.9  
SEGÚN EHE-08****MATERIALES**

Muro	1, 7	
Sección	M65	
Tipificación del hormigón	HA30-B/20/IIa	
Tipo de acero	B500-S	
$f_{ck}$	30	N/mm <sup>2</sup>
$f_{yk}$	500	N/mm <sup>2</sup>
$\gamma_c$	1.50	-
$\gamma_s$	1.15	-
Recubrimiento nominal min.	30	mm
Máx. relación agua/cem.	0.6	-

Mín. contenido cem.	275	kg/m <sup>3</sup>
Resistencia mín. compatible	25	N/mm <sup>2</sup>
Vida útil	50	años

**ARMADURA VERTICAL TRASDOS INFERIOR**

## CARACTERÍSTICAS MECÁNICAS

## Sección

b	1.00 m	Ancho
h	0.65 m	Canto
r <sub>i</sub>	0.05 m	Recubrimiento inferior
r <sub>s</sub>	0.05 m	Recubrimiento superior
A <sub>i</sub>	3420 mm <sup>2</sup>	Armado vertical trasdos
A <sub>s</sub>	1330 mm <sup>2</sup>	Armado vertical intrados
Sección bruta		
A	0.65 m <sup>2</sup>	Área
I <sub>x</sub>	0.0229 m <sup>4</sup>	Momento de inercia
I <sub>y</sub>	0.0542 m <sup>4</sup>	Momento de inercia
i <sub>x</sub>	0.19 m	Radio de giro
i <sub>y</sub>	0.29 m	Radio de giro
x' <sub>g</sub>	0.50 m	Coordenada del centro de gravedad
y' <sub>g</sub>	0.33 m	Coordenada del centro de gravedad
Sección homogeneizada		
A	0.683 m <sup>2</sup>	Área
I <sub>x</sub>	0.0254 m <sup>4</sup>	Momento de inercia
I <sub>y</sub>	0.0564 m <sup>4</sup>	Momento de inercia
i <sub>x</sub>	0.19 m	Radio de giro
i <sub>y</sub>	0.29 m	Radio de giro
x' <sub>g</sub>	0.50 m	Coordenada del centro de gravedad
y' <sub>g</sub>	0.33 m	Coordenada del centro de gravedad
Sección fisurada		
I <sub>x</sub>	0.0061 m <sup>4</sup>	Momento de inercia
M <sub>fis</sub>	230.3 kN·m	Momento de fisuración (N=0)
y' <sub>fis</sub>	0.14 m	Profundida fibra neutra fisurada

**ELU**

## FLEXIÓN COMPUESTA

$N_{Ed}$	379.4 kN	<i>Axil de cálculo</i>
$M_{Ed}$	391.0 kN·m	<i>Momento flector de cálculo</i>
$N_{Rd}$	570.5 kN	<i>Axil resistente</i>
$M_{Rd}$	561 kN·m	<i>Momento flector resistente</i>
$x$	0.087 m	<i>Profundidad de la fibra neutra</i>
$1/r$	19.5 km <sup>-1</sup>	<i>Curvatura</i>
$\epsilon_s$	1.7 ·10 <sup>-3</sup>	<i>Deformación fibra sup.</i>
$\epsilon_i$	-11.00 ·10 <sup>-3</sup>	<i>Deformación fibra inf.</i>

**CUMPLE**

## CORTANTE

$V_{u1}$	3600 kN	<i>Cortante de agotamiento de las bielas</i>
$V_{u2}$	325.5 kN	<i>Cortante de agotamiento de los tirantes</i>
$V_{cu}$	325.5 kN	<i>Contribución del hormigón a la resistencia</i>
$V_{su}$	0 kN	<i>Contribución de la armadura transversal</i>
$V_u$	325.5 kN	<i>Resistencia a cortante</i>
$V_{Ed}$	190.6 kN	<i>Cortante de cálculo</i>

**CUMPLE****ELS**

## Fisuración

$M_k$	271.4 kN·m	<i>Momento de cálculo combinación cuasi-permanete</i>
$s_m$	185 mm	<i>Separación entre fisuras</i>
$\epsilon_{sm}$	0.83 1·E <sup>-3</sup>	<i>Deformación media de las fisuras</i>
$\sigma_{sr}$	194.6 N/mm <sup>2</sup>	<i>Tensión en las armaduras en instante fisuración</i>
$\sigma_s$	243.9 N/mm <sup>2</sup>	<i>Tensión en las armaduras en servicio</i>
$w_{k\ max}$	0.3 mm	<i>Apertura de fisura límite</i>

$w_k$  0.26 mm *Apertura de fisura obtenida*

**CUMPLE**

### CUANTÍAS MÍNIMAS

Armadura vertical trasdos	5.26 ‰	Cuantía dispuesta cara traccionada
Armadura vertical intrados	2.05 ‰	Cuantía dispuesta en intrados (30% cara a tracción)
Armadura geométrica mín.	0.9 ‰	Cuantía geométrica mínima EHE 42.3.5

**CUMPLE**

$A_{s, \text{ trasdos}}$	3420 mm <sup>2</sup>	Armadura dispuesta en trasdos
$A_{s, \text{ intrados}}$	1330 mm <sup>2</sup>	Armadura dispuesta en intrados
$A_{s, \text{ mec}}$	866.0 mm <sup>2</sup>	Armadura mecánica mín. EHE 42.3.2

**CUMPLE**

### ARMADURA VERTICAL TRASDOS SUPERIOR

#### CARACTERÍSTICAS MECÁNICAS

##### Sección

$b$	1.00 m	<i>Ancho</i>
$h$	0.65 m	<i>Canto</i>
$r_i$	0.05 m	<i>Recubrimiento inferior</i>
$r_s$	0.05 m	<i>Recubrimiento superior</i>
$A_i$	1330 mm <sup>2</sup>	<i>Armado vertical trasdos</i>
$A_s$	1330 mm <sup>2</sup>	<i>Armado vertical intrados</i>
Sección bruta		
$A$	0.65 m <sup>2</sup>	<i>Área</i>
$I_x$	0.0229 m <sup>4</sup>	<i>Momento de inercia</i>
$I_y$	0.0542 m <sup>4</sup>	<i>Momento de inercia</i>
$i_x$	0.19 m	<i>Radio de giro</i>
$i_y$	0.29 m	<i>Radio de giro</i>
$x'_g$	0.50 m	<i>Coordenada del centro de gravedad</i>
$y'_g$	0.33 m	<i>Coordenada del centro de gravedad</i>

##### Sección homogeneizada

$A$	0.669 m <sup>2</sup>	<i>Área</i>
$I_x$	0.0243 m <sup>4</sup>	<i>Momento de inercia</i>
$I_y$	0.0554 m <sup>4</sup>	<i>Momento de inercia</i>
$i_x$	0.19 m	<i>Radio de giro</i>
$i_y$	0.29 m	<i>Radio de giro</i>
$x'_g$	0.50 m	<i>Coordenada del centro de gravedad</i>

$y'_g$	0.32 m	Coordenada del centro de gravedad
Sección fisurada		
$I_x$	0.0027 m <sup>4</sup>	Momento de inercia
$M_{fis}$	216.5 kN·m	Momento de fisuración (N=0)
$y'_{fis}$	0.09 m	Profundida fibra neutra fisurada

**ELU**

## FLEXIÓN COMPUESTA

$N_{Ed}$	473 kN	Axil de cálculo
$M_{Ed}$	106 kN·m	Momento flector de cálculo
$N_{Rd}$	5070.5 kN	Axil resistente
$M_{Rd}$	1275.3 kN·m	Momento flector resistente
$x$	0.313 m	Profundidad de la fibra neutra
$1/r$	11.2 km <sup>-1</sup>	Curvatura
$\varepsilon_s$	3.5 · 10 <sup>-3</sup>	Deformación fibra sup.
$\varepsilon_i$	-3.80 · 10 <sup>-3</sup>	Deformación fibra inf.

**CUMPLE**

## CORTANTE

$V_{u1}$	3600 kN	Cortante de agotamiento de las bielas
$V_{u2}$	325.5 kN	Cortante de agotamiento de los tirantes
$V_{cu}$	325.5 kN	Contribución del hormigón a la resistencia
$V_{su}$	0 kN	Contribución de la armadura transversal
$V_u$	325.5 kN	Resistencia a cortante
$V_{Ed}$	141.6 kN	Cortante de cálculo

**CUMPLE****ELS**

## Fisuración

$M_k$	52.4 kN·m	Momento de cálculo combinación cuasi-permanete
$s_m$	244 mm	Separación entre fisuras
$\varepsilon_{sm}$	0.15 1·E <sup>-3</sup>	Deformación media de las fisuras
$\sigma_{sr}$	212.3 N/mm <sup>2</sup>	Tensión en las armaduras en instante fisuración
$\sigma_s$	77.4 N/mm <sup>2</sup>	Tensión en las armaduras en servicio
$w_{k\max}$	0.3 mm	Apertura de fisura límite
$w_k$	0.06 mm	Apertura de fisura obtenida

**CUMPLE**

**CUANTÍAS MÍNIMAS**

Armadura vertical trasdos	2.05 ‰	Cuantía dispuesta cara traccionada
Armadura vertical intrados	2.05 ‰	Cuantía dispuesta en intrados (30% cara a tracción)
Armadura geométrica mín.	0.9 ‰	Cuantía geométrica mínima EHE 42.3.5

**CUMPLE**

$A_{s, \text{ trasdos}}$	1330 mm <sup>2</sup>	Armadura dispuesta en trasdos
$A_{s, \text{ intrados}}$	1330 mm <sup>2</sup>	Armadura dispuesta en intrados
$A_{s, \text{ mec}}$	866.0 mm <sup>2</sup>	Armadura mecánica mín. EHE 42.3.2

**CUMPLE****ARMADURA HORIZONTAL**

## CARACTERÍSTICAS MECÁNICAS

## Sección

b	1.00 m	Ancho
h	0.65 m	Canto
$r_i$	0.05 m	Recubrimiento inferior
$r_s$	0.05 m	Recubrimiento superior
$A_i$	1130 mm <sup>2</sup>	Armado horizontal trasdos
$A_s$	1130 mm <sup>2</sup>	Armado horizontal intrados
Sección bruta		
A	0.65 m <sup>2</sup>	Área
$I_x$	0.0229 m <sup>4</sup>	Momento de inercia
$I_y$	0.0542 m <sup>4</sup>	Momento de inercia
$i_x$	0.19 m	Radio de giro
$i_y$	0.29 m	Radio de giro
$x'_g$	0.50 m	Coordenada del centro de gravedad
$y'_g$	0.33 m	Coordenada del centro de gravedad
Sección homogeneizada		
A	0.666 m <sup>2</sup>	Área
$I_x$	0.0241 m <sup>4</sup>	Momento de inercia
$I_y$	0.0552 m <sup>4</sup>	Momento de inercia
$i_x$	0.19 m	Radio de giro
$i_y$	0.29 m	Radio de giro
$x'_g$	0.50 m	Coordenada del centro de gravedad

$y'_g$	0.32 m	<i>Coordenada del centro de gravedad</i>
Sección fisurada		
$I_x$	0.0032 m <sup>4</sup>	<i>Momento de inercia</i>
$M_{fis}$	214.6 kN·m	<i>Momento de fisuración (N=0)</i>
$y'_{fis}$	0.09 m	<i>Profundidad fibra neutra fisurada</i>

**ELU**

## FLEXIÓN SIMPLE

$M_{Ed}$	265.7 kN·m	<i>Momento flector de cálculo</i>
$M_{Rd}$	284.4 kN·m	<i>Momento flector resistente</i>
$x$	0.055 m	<i>Profundidad de la fibra neutra</i>
$1/r$	18.3 km <sup>-1</sup>	<i>Curvatura</i>
$\varepsilon_s$	1 ·10 <sup>-3</sup>	<i>Deformación fibra sup.</i>
$\varepsilon_i$	-10.90 ·10 <sup>-3</sup>	<i>Deformación fibra inf.</i>

**CUMPLE**

## CORTANTE

$V_{u1}$	3600 kN	<i>Cortante de agotamiento de las bielas</i>
$V_{u2}$	325.5 kN	<i>Cortante de agotamiento de los tirantes</i>
$V_{cu}$	325.5 kN	<i>Contribución del hormigón a la resistencia</i>
$V_{su}$	0 kN	<i>Contribución de la armadura transversal</i>
$V_u$	325.5 kN	<i>Resistencia a cortante</i>
$V_{Ed}$	192 kN	<i>Cortante de cálculo</i>

**ELS**

## Fisuración

$M_k$	176.1 kN·m	<i>Momento de cálculo combinación cuasi-permanete</i>
$s_m$	197 mm	<i>Separación entre fisuras</i>
$\varepsilon_{sm}$	0.55 1·E <sup>-3</sup>	<i>Deformación media de las fisuras</i>
$\sigma_{sr}$	336.1 N/mm <sup>2</sup>	<i>Tensión en las armaduras en instante fisuración</i>
$\sigma_s$	276.4 N/mm <sup>2</sup>	<i>Tensión en las armaduras en servicio</i>
$w_{k\max}$	0.3 mm	<i>Apertura de fisura límite</i>
$w_k$	0.19 mm	<i>Apertura de fisura obtenida</i>

**CUMPLE**

## Fisuración por temperatura y retracción hormigón a tiempo infinito

$f_{ct}^i$	1.8 N/mm <sup>2</sup>	Resistencia a tracción del hormigón a 3 días.
$f_{yk}$	500 N/mm <sup>2</sup>	Resistencia característica armadura
$E_c$	20 kN/mm <sup>2</sup>	Módulo elástico hormigón
$\rho_{min}$	<b>3.60</b> ‰	Cuantía geométrica mínima
$A'c$	500000 mm <sup>2</sup>	Área efectiva de la sección
$A_{s,min}$	1800 mm <sup>2</sup>	Área de armado mínimo necesario

**CUMPLE**

$\tau_b$	2.8 N/mm <sup>2</sup>	Tensión de adherencia en hormigones jóvenes
$c$	50 mm	Recubrimiento armadura
$\emptyset$	12 mm	Diámetro armado
$A_s$	1130 mm <sup>2</sup>	Área armadura dispuesto en una cara
$A_{c,eff}$	250000 mm <sup>2</sup>	Área eficaz de la sección para una cara
$S_{max}$	1072.65 mm	Separación entre fisuras máxima
$T_1$	30 °C	Variación temperatura contracción térmica inicial
$T_2^*$	0 °C	Variación estacional de temperatura
$R$	0.5 -	Coef. grado d coacción axil
$\alpha$	6.0E-06 -	Coef. Dilatación térmica del hormigón
$\epsilon_{cd}$	0.00027 -	Deformación retracción por secado
$w_{k,max}$	0.3 mm	Apertura de fisura límite
$w_{k,early}$	NO mm	Fisura producida a edad temprana
$w_{k,long}$	0.24 mm	Fisura total producida a 10000 días

**CUMPLE**

\*Notas: Con juntas de contracción abiertas 4 días

**CUANTÍAS MÍNIMAS**

Armadura hor. trasdos	3.48 ‰	Cuantía dispuesta en trasdos
Armadura geométrica mín.	3.20 ‰	Cuantía geométrica mínima EHE 42.3.5

**CUMPLE**

$A_{s, trasdos}$	1130 mm <sup>2</sup>	Armadura dispuesta en trasdos
$A_{s, intrados}$	1130 mm <sup>2</sup>	Armadura dispuesta en intrados
$A_{s, mec}$	866.0 mm <sup>2</sup>	Armadura mecánica mín. EHE 42.3.2

**ARMADURA HORIZONTAL EN ESQUINAS**

## CARACTERÍSTICAS MECÁNICAS

## Sección

b	1.00 m	Ancho
h	0.65 m	Canto
$r_i$	0.05 m	Recubrimiento inferior
$r_s$	0.05 m	Recubrimiento superior
$A_i$	2000 mm <sup>2</sup>	Armado horizontal trasdos
$A_s$	2000 mm <sup>2</sup>	Armado horizontal intrados

## Sección bruta

A	0.65 m <sup>2</sup>	Área
$I_x$	0.0229 m <sup>4</sup>	Momento de inercia
$I_y$	0.0542 m <sup>4</sup>	Momento de inercia
$i_x$	0.19 m	Radio de giro
$i_y$	0.29 m	Radio de giro
$x'_g$	0.50 m	Coordenada del centro de gravedad
$y'_g$	0.33 m	Coordenada del centro de gravedad

## Sección homogeneizada

A	0.678 m <sup>2</sup>	Área
$I_x$	0.025 m <sup>4</sup>	Momento de inercia
$I_y$	0.0561 m <sup>4</sup>	Momento de inercia
$i_x$	0.19 m	Radio de giro
$i_y$	0.29 m	Radio de giro
$x'_g$	0.50 m	Coordenada del centro de gravedad
$y'_g$	0.33 m	Coordenada del centro de gravedad

## Sección fisurada

$I_x$	0.0039 m <sup>4</sup>	Momento de inercia
$M_{fis}$	222.8 kN·m	Momento de fisuración (N=0)
$y'_{fis}$	0.11 m	Profundida fibra neutra fisurada

**ELU**

## FLEXIÓN SIMPLE

$M_{Ed}$	411 kN·m	<i>Momento flector de cálculo</i>
$M_{Rd}$	496.2 kN·m	<i>Momento flector resistente</i>
$x$	0.07 m	<i>Profundidad de la fibra neutra</i>
$1/r$	18.8 km <sup>-1</sup>	<i>Curvatura</i>
$\varepsilon_s$	1.3 ·10 <sup>-3</sup>	<i>Deformación fibra sup.</i>
$\varepsilon_i$	-10.90 ·10 <sup>-3</sup>	<i>Deformación fibra inf.</i>

**CUMPLE**

## CORTANTE

$V_{u1}$	3600 kN	<i>Cortante de agotamiento de las bielas</i>
$V_{u2}$	325.5 kN	<i>Cortante de agotamiento de los tirantes</i>
$V_{cu}$	325.5 kN	<i>Contribución del hormigón a la resistencia</i>
$V_{su}$	0 kN	<i>Contribución de la armadura transversal</i>
$V_u$	325.5 kN	<i>Resistencia a cortante</i>
$V_{Ed}$	225 kN	<i>Cortante de cálculo</i>

**CUMPLE****ELS**

## Fisuración

$M_k$	265.6 kN·m	<i>Momento de cálculo combinación cuasi-permanete</i>
$s_m$	185 mm	<i>Separación entre fisuras</i>
$\varepsilon_{sm}$	0.73 1·E <sup>-3</sup>	<i>Deformación media de las fisuras</i>
$\sigma_{sr}$	199.5 N/mm <sup>2</sup>	<i>Tensión en las armaduras en instante fisuración</i>
$\sigma_s$	231.1 N/mm <sup>2</sup>	<i>Tensión en las armaduras en servicio</i>
$w_{k\ max}$	0.3 mm	<i>Apertura de fisura límite</i>
$w_k$	0.23 mm	<i>Apertura de fisura obtenida</i>

**CUMPLE**

## Fisuración por temperatura y retracción hormigón a tiempo infinito

$f_{ct}^j$	1.8 N/mm <sup>2</sup>	<i>Resistencia a tracción del hormigón a 3 días.</i>
$f_{yk}$	500 N/mm <sup>2</sup>	<i>Resistencia característica armadura</i>
$E_c$	20 kN/mm <sup>2</sup>	<i>Módulo elástico hormigón</i>
$\rho_{min}$	<b>3.60</b> ‰	<i>Cuantía geométrica mínima</i>
$A'c$	500000 mm <sup>2</sup>	<i>Área efectiva de la sección</i>
$A_{s,min}$	1800 mm <sup>2</sup>	<i>Área de armado mínimo necesario</i>

**CUMPLE**

$\tau_b$	2.8 N/mm <sup>2</sup>	<i>Tensión de adherencia en hormigones jóvenes</i>
c	50 mm	<i>Recubrimiento armadura</i>
$\varnothing$	16 mm	<i>Diámetro armado</i>
$A_s$	2000 mm <sup>2</sup>	<i>Área armadura dispuesto en una cara</i>
$A_{c,eff}$	250000 mm <sup>2</sup>	<i>Área eficaz de la sección para una cara</i>
$S_{max}$	850 mm	<i>Separación entre fisuras máxima</i>
T1	30 °C	<i>Variación temperatura contracción térmica inicial</i>
T2*	0 °C	<i>Variación estacional de temperatura</i>
R	0.25 -	<i>Coef.grado de coacción axial</i>
$\alpha$	6.0E-06 -	<i>Coef. Dilatación térmica del hormigón</i>
$\epsilon_{cd}$	0.00027 -	<i>Deformación retracción por secado</i>
$W_{k,max}$	0.3 mm	<i>Apertura de fisura límite</i>
$W_{k,early}$	NO mm	<i>Fisura producida a edad temprana</i>
$W_{k,long}$	0.10 mm	<i>Fisura total producida a 10000 días</i>

**CUMPLE**

\*Notas: Con juntas de contracción abiertas 4 días

**CUANTÍAS MÍNIMAS**

Armadura hor. trasdos	40.00 ‰	Cuantía dispuesta en trasdos
Armadura geométrica mín.	3.20 ‰	Cuantía geométrica mínima EHE 42.3.5

**CUMPLE**

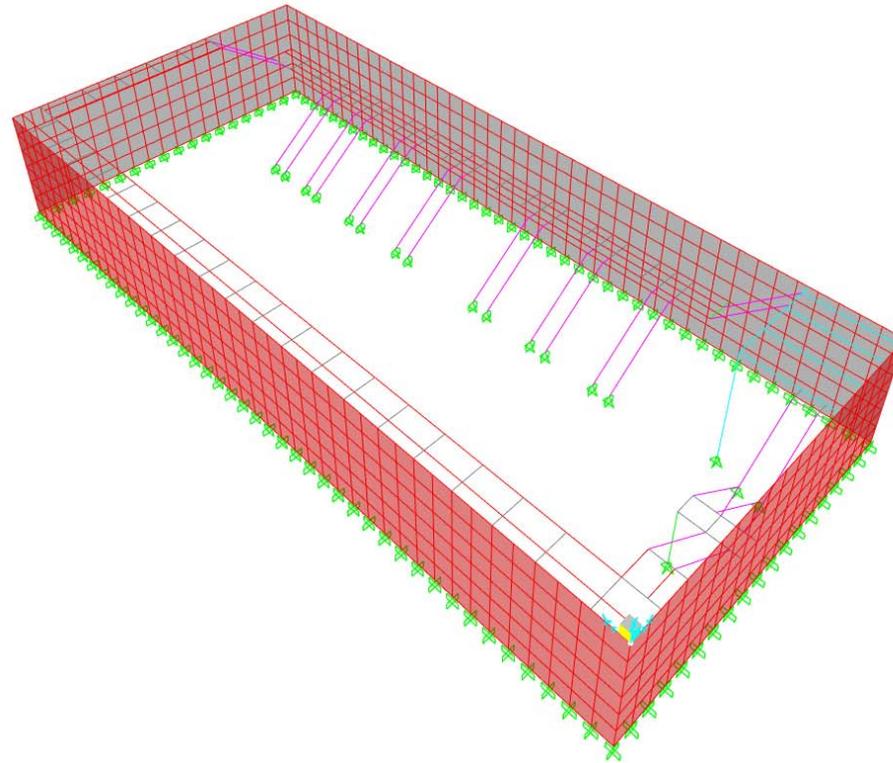
$A_{s, trasdos}$	2000 mm <sup>2</sup>	Armadura dispuesta en trasdos
$A_{s, intrados}$	0 mm <sup>2</sup>	Armadura dispuesta en intrados
$A_{s, mec}$	866.0 mm <sup>2</sup>	Armadura mecánica mín. EHE 42.3.2

## INFORMACIÓN GRÁFICA



## ANEXO 02\_4 MUROS DE HORMIGÓN ARMADO

PROYECTO DE ESTRUCTURAS PARA LA ESTACIÓN DE BOMBEO FASE II MELGAR DE YUSO – PALENCIA

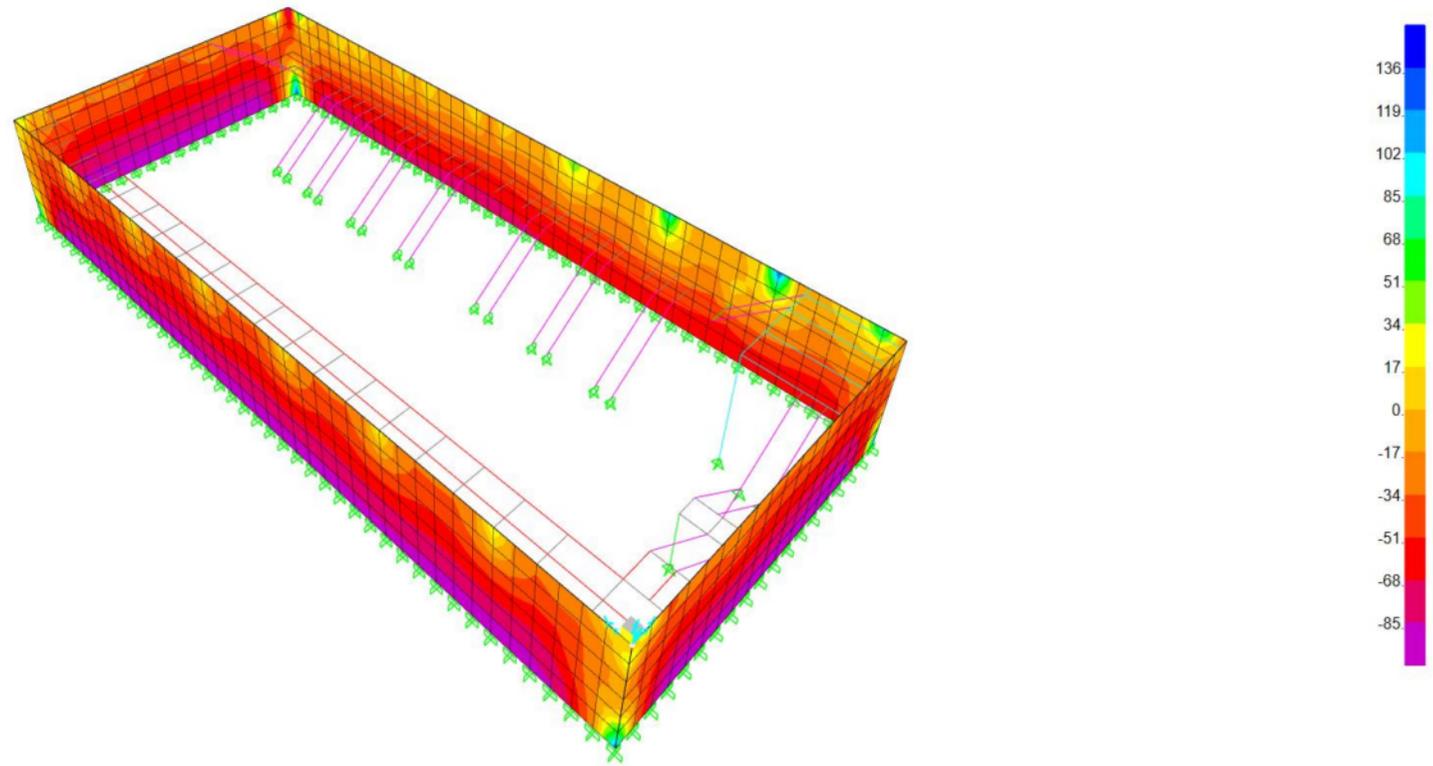


*Modelo 3D SAP2000*

# ANEXO 02\_4 MUROS DE HORMIGÓN ARMADO

PROYECTO DE ESTRUCTURAS PARA LA ESTACIÓN DE BOMBEO FASE II MELGAR DE YUSO – PALENCIA

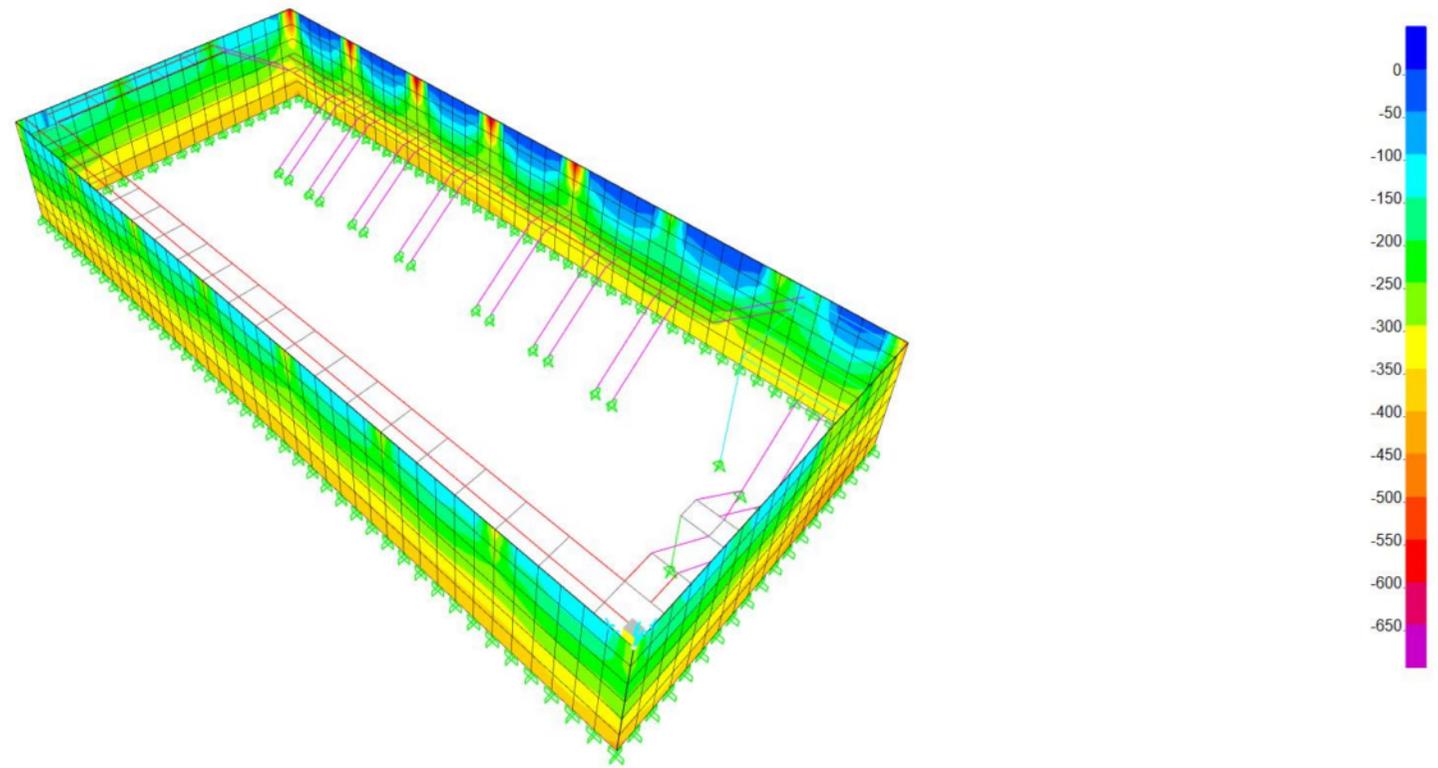
Resultant F22 Diagram (ENV\_ELU - Max)



# ANEXO 02\_4 MUROS DE HORMIGÓN ARMADO

PROYECTO DE ESTRUCTURAS PARA LA ESTACIÓN DE BOMBEO FASE II MELGAR DE YUSO – PALENCIA

Resultant F22 Diagram (ENV\_ELU - Min) x



## ANEXO 02\_4 MUROS DE HORMIGÓN ARMADO

PROYECTO DE ESTRUCTURAS PARA LA ESTACIÓN DE BOMBEO FASE II MELGAR DE YUSO – PALENCIA

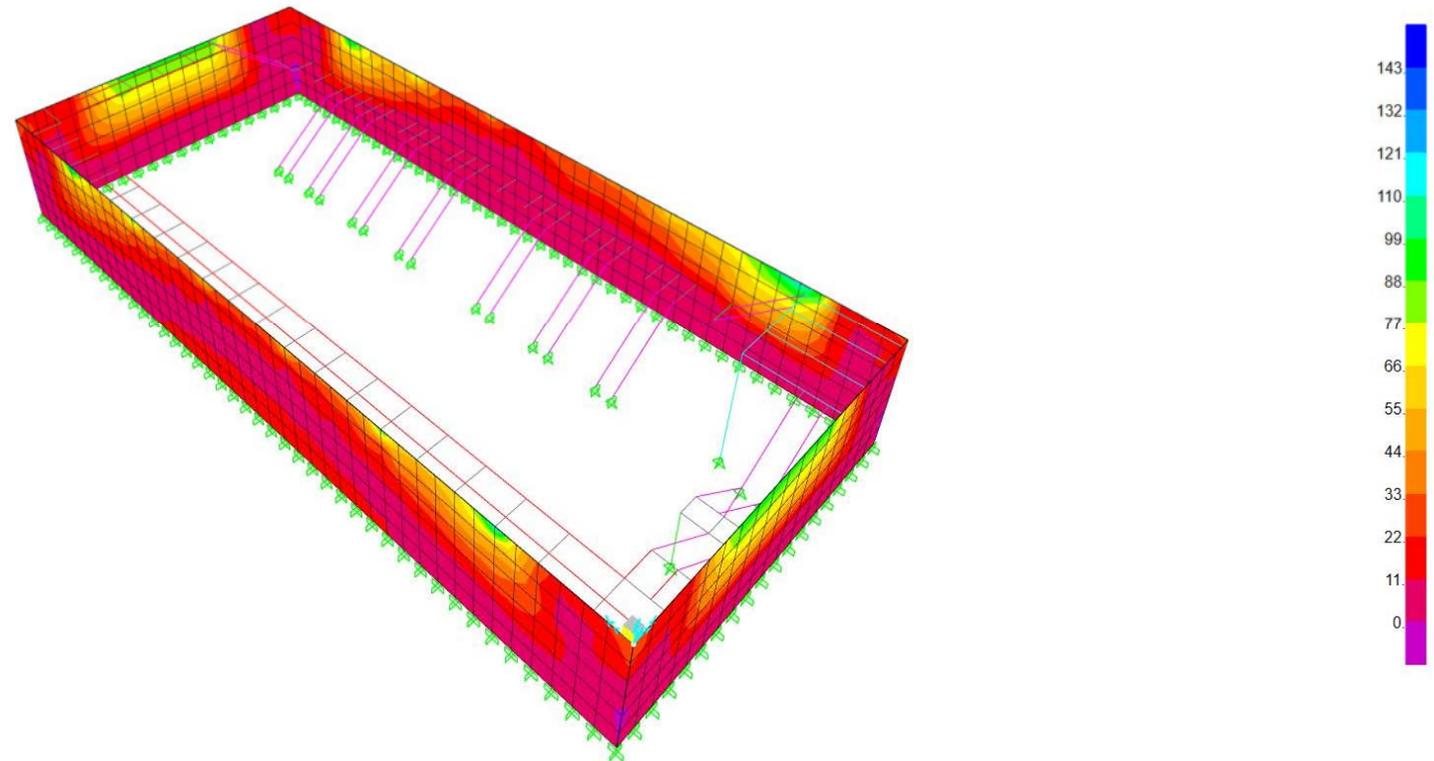
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# ANEXO 02\_4 MUROS DE HORMIGÓN ARMADO

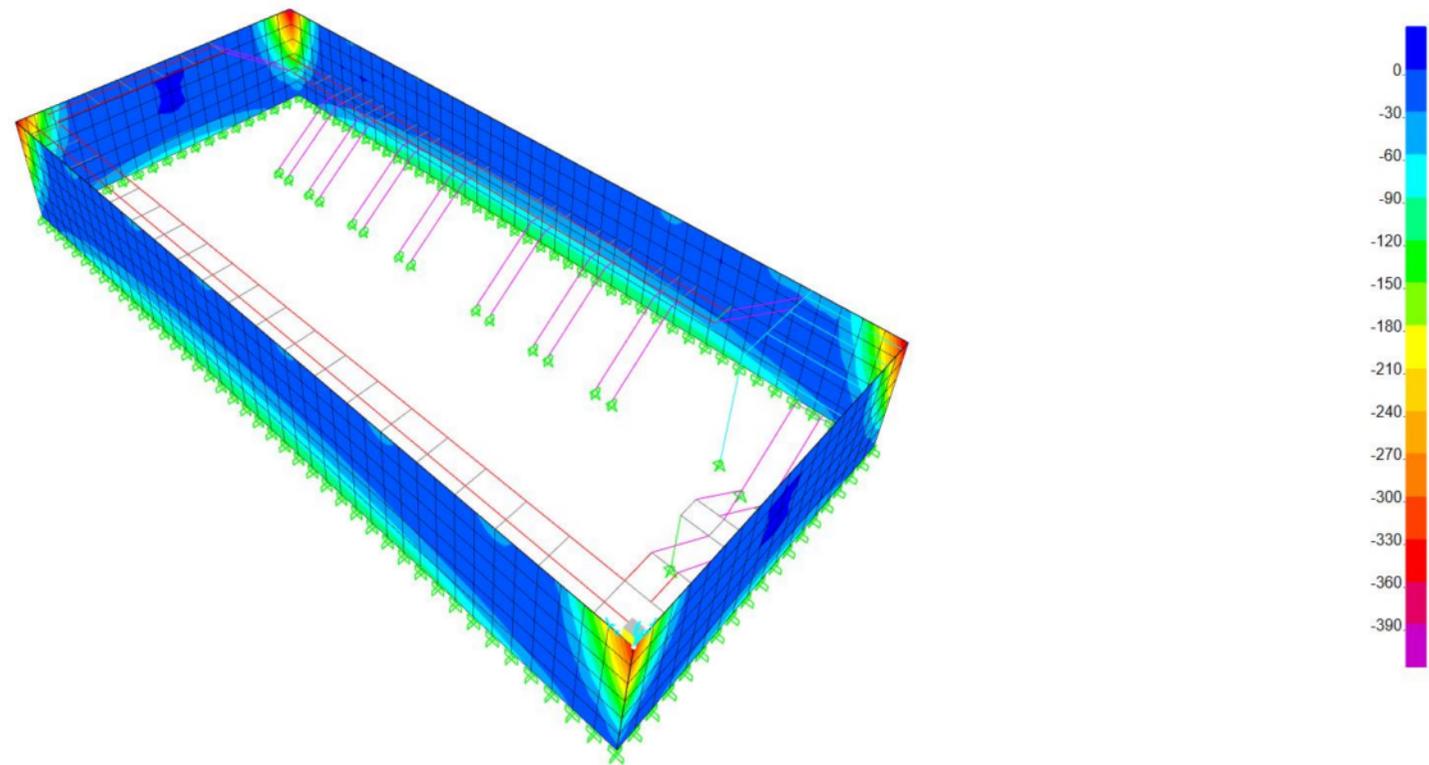
PROYECTO DE ESTRUCTURAS PARA LA ESTACIÓN DE BOMBEO FASE II MELGAR DE YUSO – PALENCIA

Resultant M11 Diagram (ENV\_ELU - Max)



## ANEXO 02\_4 MUROS DE HORMIGÓN ARMADO

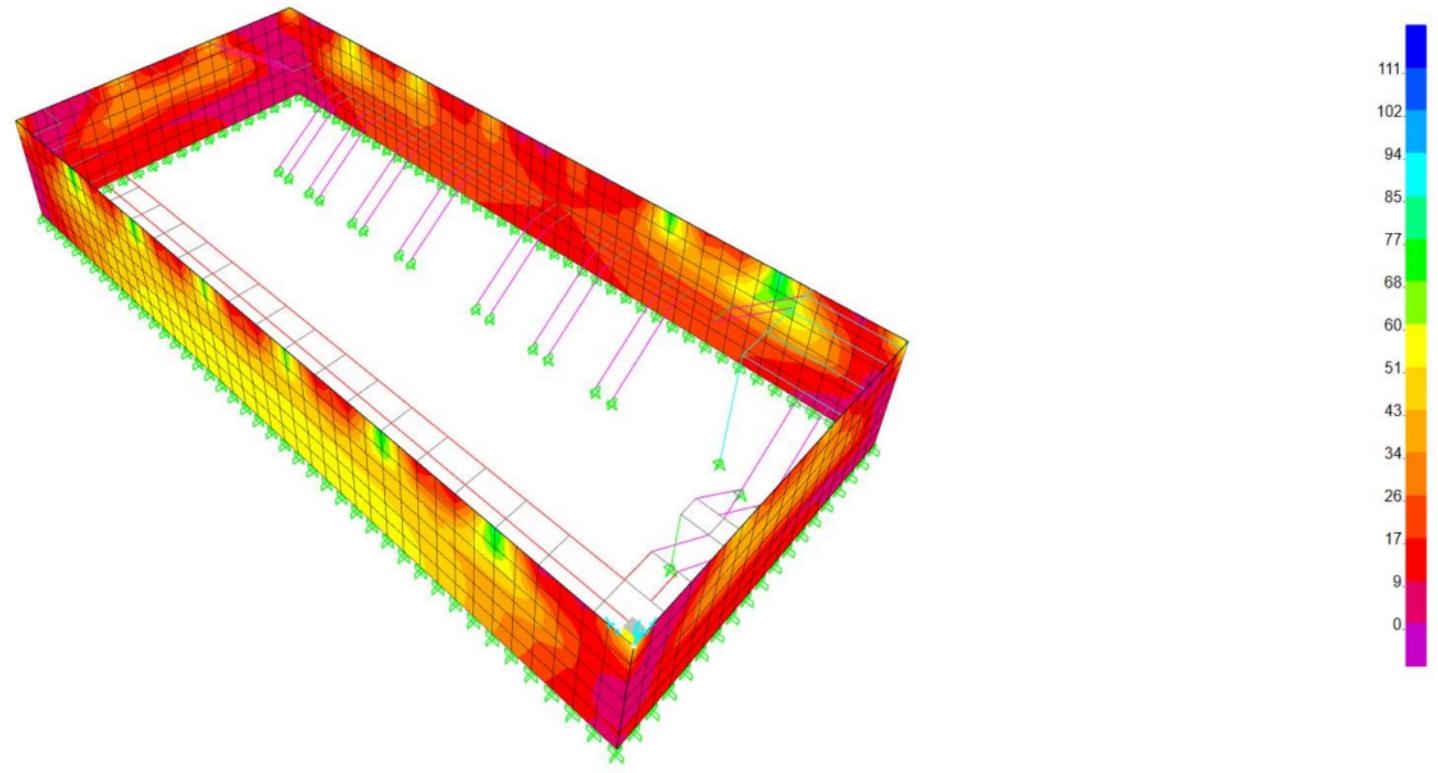
PROYECTO DE ESTRUCTURAS PARA LA ESTACIÓN DE BOMBEO FASE II MELGAR DE YUSO – PALENCIA

Resultant M11 Diagram (ENV\_ELU - Min) x

# ANEXO 02\_4 MUROS DE HORMIGÓN ARMADO

PROYECTO DE ESTRUCTURAS PARA LA ESTACIÓN DE BOMBEO FASE II MELGAR DE YUSO – PALENCIA

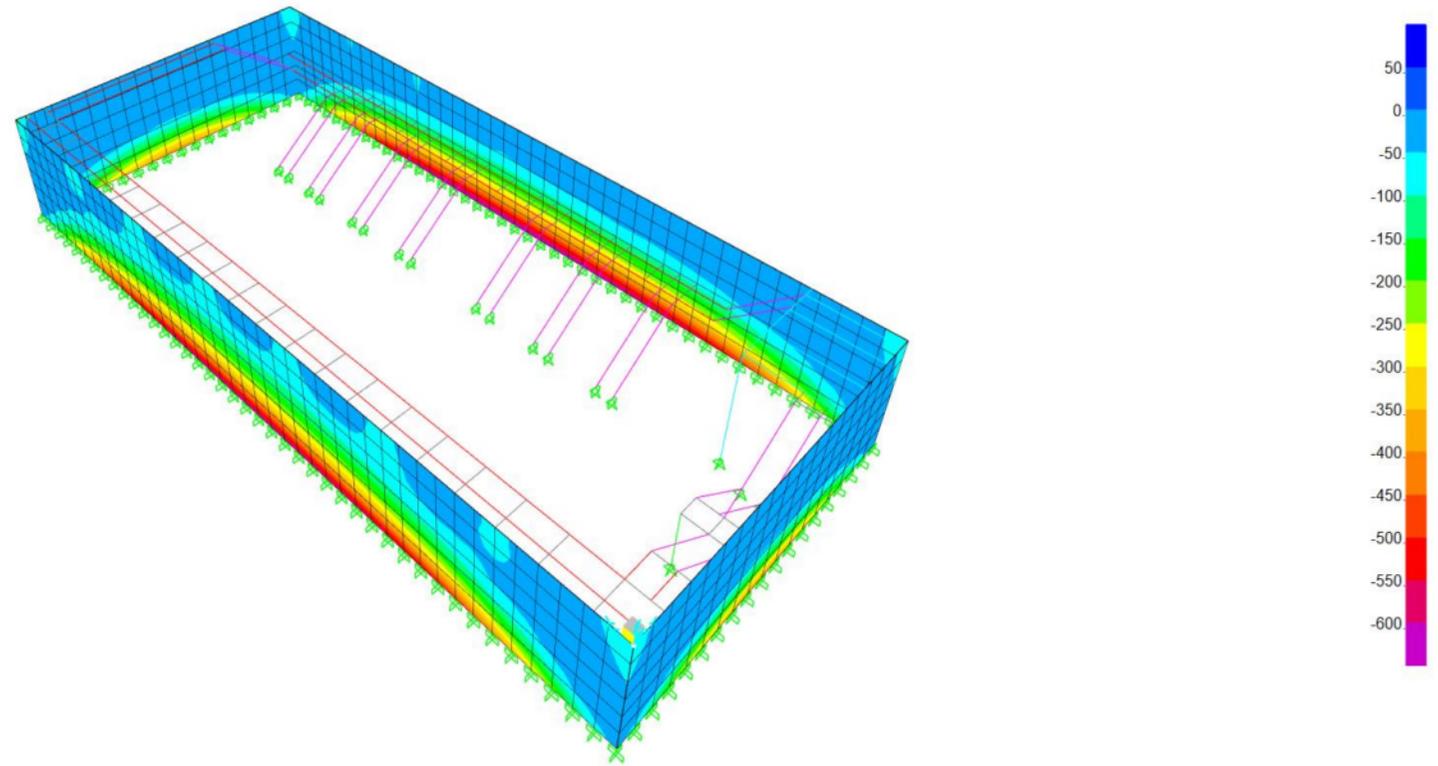
Resultant M22 Diagram (ENV\_ELU - Max)



# ANEXO 02\_4 MUROS DE HORMIGÓN ARMADO

PROYECTO DE ESTRUCTURAS PARA LA ESTACIÓN DE BOMBEO FASE II MELGAR DE YUSO – PALENCIA

Resultant M22 Diagram (ENV\_ELU - Min)



## ANEXO 02\_4 MUROS DE HORMIGÓN ARMADO

PROYECTO DE ESTRUCTURAS PARA LA ESTACIÓN DE BOMBEO FASE II MELGAR DE YUSO – PALENCIA

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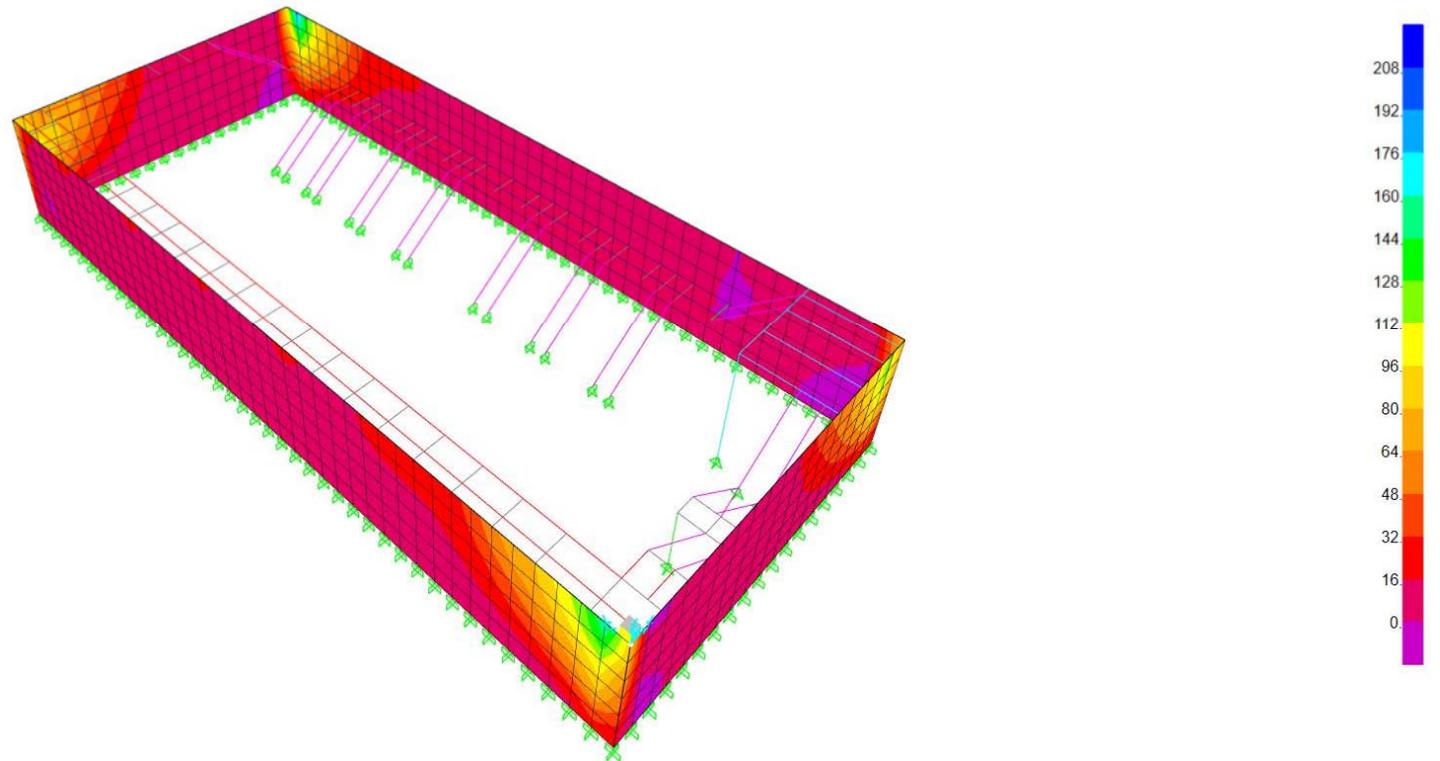


# ANEXO 02\_4 MUROS DE HORMIGÓN ARMADO

PROYECTO DE ESTRUCTURAS PARA LA ESTACIÓN DE BOMBEO FASE II MELGAR DE YUSO – PALENCIA

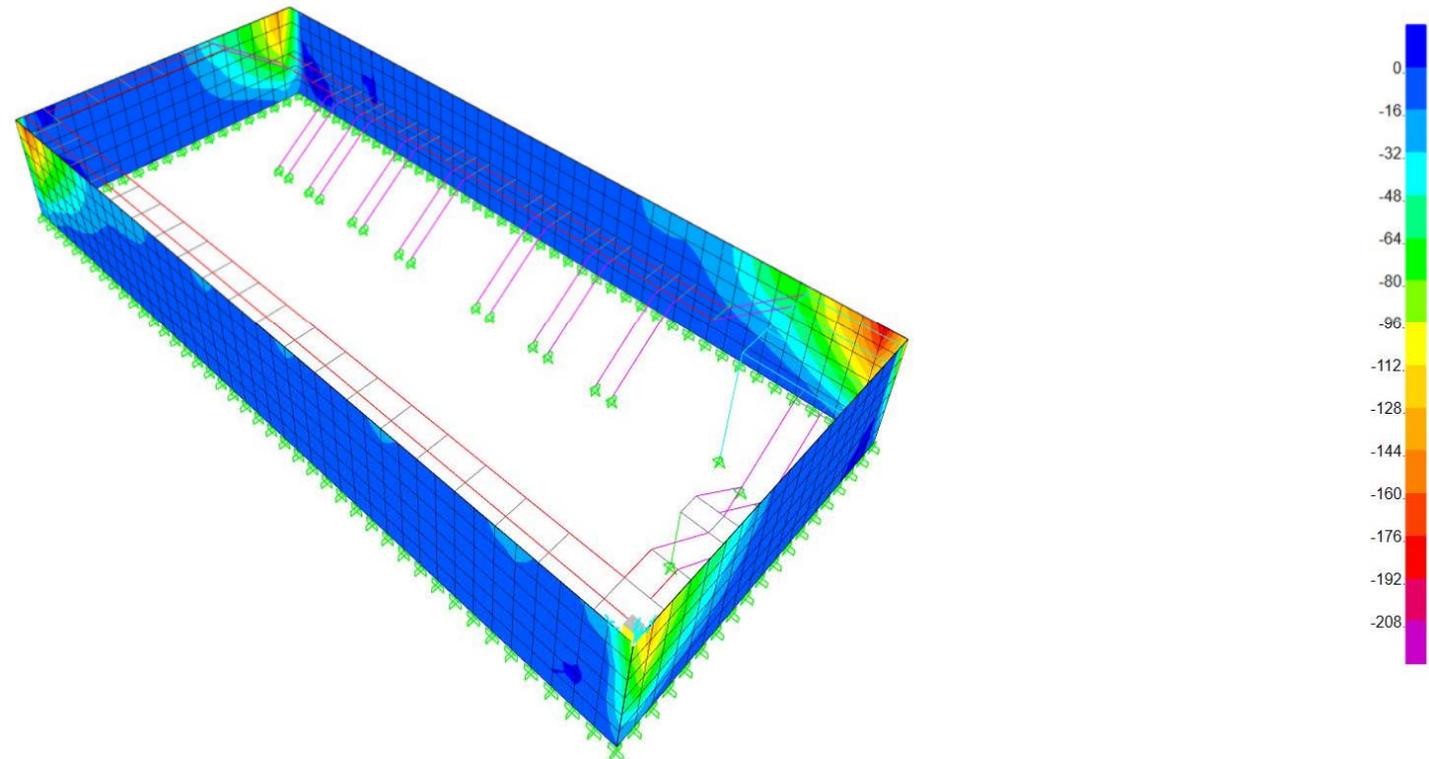


Resultant V13 Diagram (ENV\_ELU - Max) x



## ANEXO 02\_4 MUROS DE HORMIGÓN ARMADO

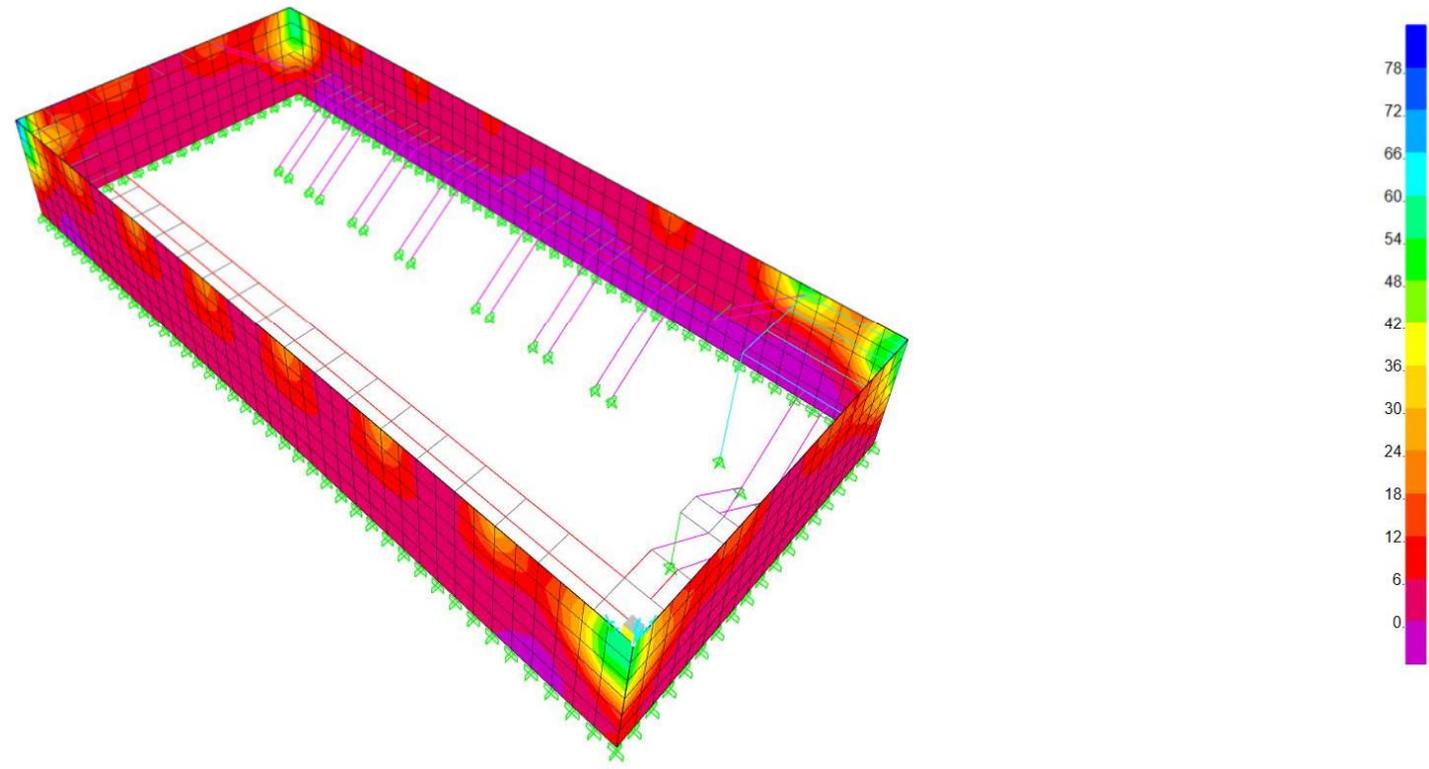
PROYECTO DE ESTRUCTURAS PARA LA ESTACIÓN DE BOMBEO FASE II MELGAR DE YUSO – PALENCIA

Resultant V13 Diagram (ENV\_ELU - Min) x

## ANEXO 02\_4 MUROS DE HORMIGÓN ARMADO

PROYECTO DE ESTRUCTURAS PARA LA ESTACIÓN DE BOMBEO FASE II MELGAR DE YUSO – PALENCIA

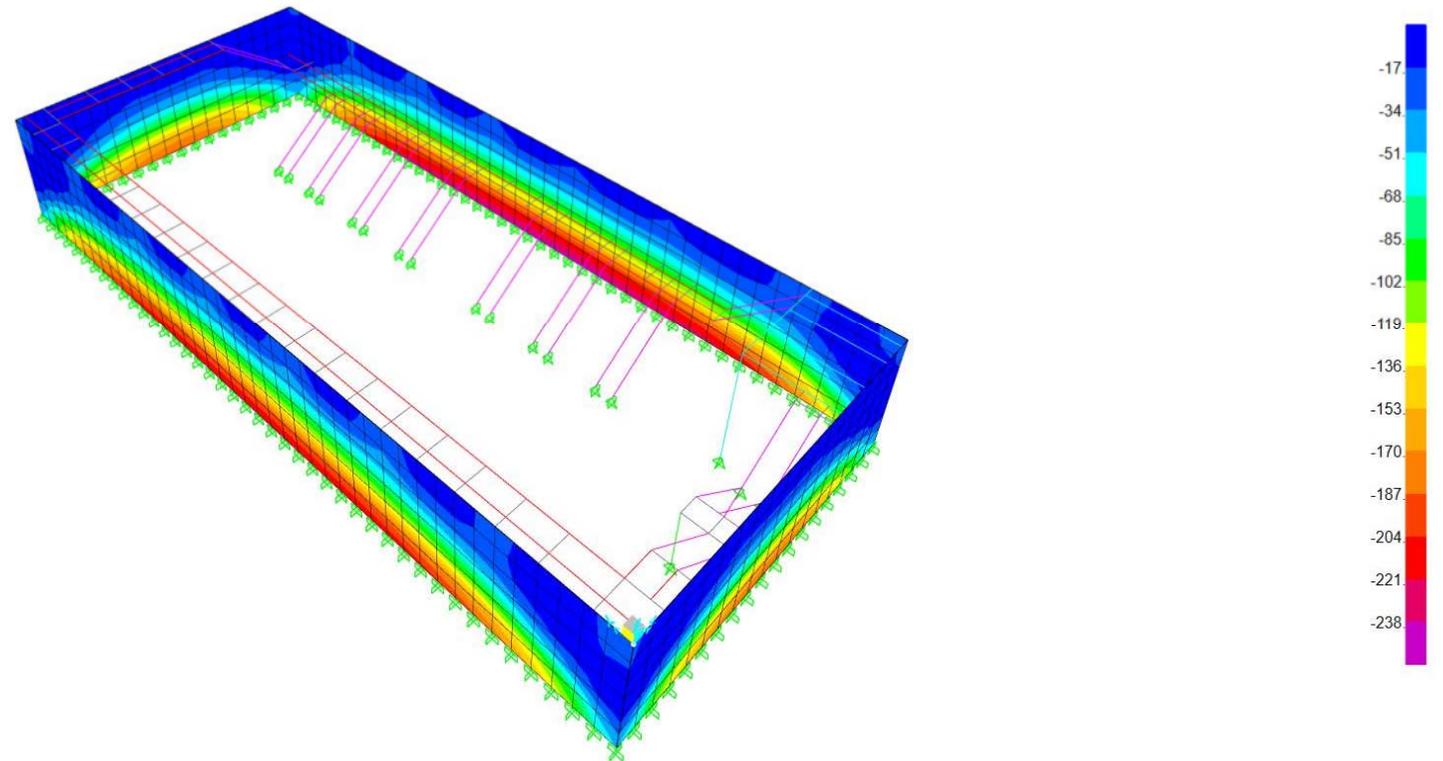
Resultant V23 Diagram (ENV\_ELU - Max)



# ANEXO 02\_4 MUROS DE HORMIGÓN ARMADO

PROYECTO DE ESTRUCTURAS PARA LA ESTACIÓN DE BOMBEO FASE II MELGAR DE YUSO – PALENCIA

Resultant V23 Diagram (ENV\_ELU - Min) x



## ANEXO 02\_4 MUROS DE HORMIGÓN ARMADO

PROYECTO DE ESTRUCTURAS PARA LA ESTACIÓN DE BOMBEO FASE II MELGAR DE YUSO – PALENCIA

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# ANEXO A02\_5 LOSA

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# Listado de datos de la obra

Fecha: 02/03/21

## I.- VERSIÓN DEL PROGRAMA Y NÚMERO DE LICENCIA

Versión: 2019

Número de licencia: I41918

## 2.- DATOS GENERALES DE LA ESTRUCTURA

Proyecto: LOSA

Clave: LOSA

## 3.- NORMAS CONSIDERADAS

Hormigón: EHE-08

Aceros conformados: CTE DB SE-A

Aceros laminados y armados: EAE 201 I

### Categorías de uso

C. Zonas de acceso al público

E. Zonas de tráfico y aparcamiento para vehículos ligeros

## 4.- ACCIONES CONSIDERADAS

### 4.1.- Gravitatorias

Planta	Sobrecarga de uso		Cargas muertas (kN/m <sup>2</sup> )
	Categoría	Valor (kN/m <sup>2</sup> )	
Forjado I	---	0.0	0.0
Cimentación	---	0.0	0.0

### 4.2.- Viento

Se ha tenido en cuenta la acción del viento mediante cargas aplicadas en las siguientes hipótesis: 'E+X', 'E-X', 'E+Y' y 'E-Y'.

### 4.3.- Sismo

Sin acción de sismo

### 4.4.- Hipótesis de carga

Automáticas	Peso propio Cargas muertas Sobrecarga (Uso C) Sobrecarga (Uso E)	
Adicionales	Referencia	Naturaleza
	RELLENO	Empujes del terreno
	TFCO (E)	Sobrecarga (Uso E)
	E+X	Viento
	E-X	Viento
	E+Y	Viento
	E-Y	Viento
N	Nieve	

## Listado de datos de la obra

Fecha: 02/03/21

### 4.5.- Cargas horizontales y en cabeza de pilares

#### 4.5.1.- Cargas en cabeza de pilar

Referencia pilar	Hipótesis	N (kN)	Mx (kN·m)	My (kN·m)	Qx (kN)	Qy (kN)	T (kN·m)
109	Cargas muertas	131.10	-4.62	1.86	-2.90	1.08	0.00
	Sobrecarga (Uso C)	43.44	-9.16	3.14	-5.44	1.83	0.00
	E+X	63.95	39.40	18.39	14.86	19.03	-0.00
	E+Y	45.57	27.25	-20.08	10.77	-18.88	0.03
	E-Y	15.73	16.18	10.44	5.71	9.06	-0.01
	N	9.40	1.63	-0.01	0.74	0.00	0.00
	80	Cargas muertas	173.74	0.98	-0.07	-2.06	2.88
Sobrecarga (Uso C)		89.63	-18.11	-0.16	-10.82	1.29	0.00
E+X		20.70	55.99	1.17	18.41	4.43	-0.00
E+Y		-6.78	8.85	-3.97	5.32	-15.03	0.03
E-Y		4.45	18.26	3.13	6.47	12.29	-0.01
N		36.57	16.35	-0.01	5.98	0.52	0.00
65		Cargas muertas	174.05	0.40	-0.01	-2.26	-3.23
	Sobrecarga (Uso C)	90.39	-17.99	0.04	-10.78	-1.67	0.00
	E+X	0.58	52.33	1.14	17.22	5.37	-0.00
	E+Y	68.04	15.19	-3.87	7.42	-16.90	0.03
	E-Y	-57.20	17.07	3.12	6.04	13.66	-0.01
	N	37.17	16.45	-0.04	6.02	-0.80	0.00
	50	Cargas muertas	172.81	0.80	0.07	-2.00	3.35
Sobrecarga (Uso C)		86.76	-17.23	0.11	-10.18	5.44	0.00
E+X		16.70	33.63	0.78	11.82	-0.90	-0.00
E+Y		6.89	6.02	-4.25	4.76	-13.25	0.03
E-Y		0.54	13.37	3.57	4.94	10.04	-0.01
N		36.21	14.71	-0.06	5.49	-1.01	0.00
147		Cargas muertas	160.10	-2.25	-0.45	-5.06	-5.14
	Sobrecarga (Uso C)	57.88	-9.49	-0.93	-9.13	-8.36	0.05
	E+X	-26.15	20.50	1.56	6.66	7.33	-0.00
	E+Y	68.24	0.57	-4.47	2.19	-14.76	0.00
	E-Y	-92.31	8.33	4.02	2.81	13.80	-0.00
	N	30.67	4.40	0.11	0.87	0.82	-0.00
	20	Cargas muertas	49.20	20.43	0.15	7.53	0.56
Sobrecarga (Uso C)		0.19	-0.23	0.03	-0.06	0.08	0.00
E+X		18.97	26.93	-1.26	5.97	-2.98	0.01
E+Y		6.63	-34.56	-2.23	-9.28	-10.94	0.17
E-Y		10.99	-20.16	2.69	-7.98	12.80	-0.07
N		37.38	28.86	0.12	10.31	0.32	0.00
11		Cargas muertas	50.57	21.41	-0.17	7.87	-0.70
	Sobrecarga (Uso C)	-0.19	0.23	0.01	0.06	0.10	0.00
	E+X	44.24	29.05	-0.24	6.78	-6.37	0.00
	E+Y	66.00	-32.46	-2.17	-8.48	-12.78	0.17
	E-Y	-67.08	-31.74	2.31	-12.39	15.13	-0.06
	N	37.78	28.86	-0.15	10.31	-0.48	0.00
	95	Cargas muertas	27.57	-0.38	-0.00	-0.14	-0.00
Sobrecarga (Uso C)		0.00	0.00	0.01	0.00	0.00	0.00
E+X		74.23	48.08	-46.50	16.62	-31.24	0.01
E+Y		74.87	6.54	-22.54	6.10	-14.29	0.17
E-Y		2.57	20.64	45.40	6.29	29.83	-0.07
N		9.86	-0.98	-0.01	-0.50	-0.00	0.00

## Listado de datos de la obra

Fecha: 02/03/21

Referencia pilar	Hipótesis	N (kN)	Mx (kN m)	My (kN m)	Qx (kN)	Qy (kN)	T (kN m)
93	Cargas muertas	23.33	-1.55	0.00	-0.74	0.00	0.00
	Sobrecarga (Uso C)	0.00	0.00	-0.01	0.00	-0.00	0.00
	E+X	20.04	39.64	-27.14	14.85	-18.24	-0.01
	E+Y	24.75	-18.46	-9.71	-10.08	-6.12	-0.07
	E-Y	74.79	-18.54	20.73	-19.65	13.27	0.19
	N	3.98	-1.56	0.01	-0.67	0.00	0.00
9	Cargas muertas	41.70	-23.34	-0.11	-9.24	-0.44	0.00
	Sobrecarga (Uso C)	0.25	0.00	-0.01	-0.02	-0.08	0.00
	E+X	-9.89	124.72	0.08	49.59	-2.44	-0.00
	E+Y	10.22	0.63	-0.97	-10.55	-5.91	-0.06
	E-Y	25.23	22.56	1.22	-6.82	7.45	0.17
	N	23.62	-32.21	-0.07	-12.49	-0.18	0.00
13	Cargas muertas	33.21	-22.21	0.12	-8.80	0.58	0.00
	Sobrecarga (Uso C)	-0.25	-0.00	-0.02	0.02	-0.07	0.00
	E+X	-20.91	130.20	-0.88	51.28	-1.86	-0.01
	E+Y	-20.63	4.22	-1.23	-9.36	-5.73	-0.06
	E-Y	72.81	7.55	1.85	-12.15	8.41	0.18
	N	24.00	-32.19	0.10	-12.49	0.33	0.00
33	Cargas muertas	41.08	-24.05	-0.12	-9.07	-0.47	0.00
	Sobrecarga (Uso C)	0.14	0.60	-0.01	0.08	-0.06	0.00
	E+X	-15.99	116.39	0.63	48.18	0.61	0.00
	E+Y	9.05	14.67	-1.13	-7.76	-5.73	-0.06
	E-Y	35.39	19.58	1.14	-9.46	6.04	0.16
	N	23.48	-36.41	-0.07	-13.09	-0.19	0.00
48	Cargas muertas	33.32	-24.44	0.12	-9.27	0.54	0.00
	Sobrecarga (Uso C)	0.03	0.58	-0.01	0.00	-0.07	0.00
	E+X	-10.31	117.23	-0.28	48.07	1.23	0.00
	E+Y	-20.20	15.89	-1.06	-7.46	-5.89	-0.06
	E-Y	68.02	19.30	1.46	-9.56	7.38	0.17
	N	24.15	-37.15	0.10	-13.40	0.31	0.00
63	Cargas muertas	41.66	-24.17	-0.15	-9.21	-0.64	0.00
	Sobrecarga (Uso C)	0.47	1.27	-0.04	0.14	-0.12	-0.00
	E+X	-25.75	136.58	1.17	52.63	3.55	0.01
	E+Y	13.26	19.34	-1.52	-7.13	-6.79	-0.07
	E-Y	34.47	24.08	1.30	-8.34	5.88	0.17
	N	23.78	-35.91	-0.08	-13.13	-0.22	0.00
78	Cargas muertas	41.66	-25.15	0.11	-9.58	0.44	0.00
	Sobrecarga (Uso C)	-0.33	1.50	-0.01	0.22	-0.14	0.00
	E+X	-5.86	131.51	0.25	50.91	4.09	0.00
	E+Y	-31.20	33.50	-1.16	-2.03	-7.34	-0.06
	E-Y	68.46	20.90	1.30	-9.40	7.54	0.17
	N	23.93	-35.88	0.09	-13.12	0.28	-0.00
107	Cargas muertas	23.34	-1.26	-0.01	-0.70	-0.00	0.00
	Sobrecarga (Uso C)	-0.05	0.90	-0.02	0.15	-0.00	-0.00
	E+X	20.47	34.01	27.33	13.87	18.27	0.01
	E+Y	16.30	-11.24	-19.85	-15.22	-12.90	-0.08
	E-Y	82.23	-7.95	10.59	-9.62	6.49	0.18
	N	4.03	-1.98	0.00	-0.75	0.00	0.00
125	Cargas muertas	26.10	0.03	0.48	0.00	0.51	0.00
	Sobrecarga (Uso C)	15.01	0.08	0.86	0.01	1.24	0.00
	E+X	-12.24	1.64	50.45	0.21	29.48	0.00
	E+Y	-20.60	1.08	-48.94	0.14	-27.98	-0.00
	E-Y	-11.29	0.81	22.57	0.10	12.92	0.00
	N	8.16	-0.04	0.16	-0.00	0.02	0.00

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I26	Cargas muertas	20.41	0.05	0.08	0.01	0.01	0.00
	Sobrecarga (Uso C)	0.18	0.08	-0.15	0.01	-0.02	0.00
	E+X	-13.92	1.58	50.44	0.20	29.48	-0.00
	E+Y	-23.50	1.05	-49.16	0.13	-28.01	0.00
	E-Y	-13.07	0.76	22.73	0.10	12.94	0.00
	N	8.14	-0.01	0.15	-0.00	0.02	0.00
3	Cargas muertas	19.95	0.02	-0.16	0.00	-0.02	0.00
	Sobrecarga (Uso C)	0.00	0.00	-0.01	0.00	-0.00	0.00
	E+X	-13.61	2.08	-50.37	0.26	-29.47	0.00
	E+Y	-11.07	-0.55	-22.65	-0.07	-12.89	0.00
	E-Y	-23.28	1.08	49.24	0.14	28.02	-0.00
	N	7.84	0.03	-0.16	0.00	-0.02	0.00
I	Cargas muertas	20.28	0.00	-0.16	0.00	-0.02	0.00
	Sobrecarga (Uso C)	0.00	0.00	-0.02	0.00	-0.00	0.00
	E+X	-11.78	2.14	-50.31	0.27	-29.46	-0.00
	E+Y	-12.33	-0.52	-22.44	-0.07	-12.86	-0.00
	E-Y	-21.23	1.12	49.05	0.14	27.99	0.00
	N	8.28	0.00	-0.16	0.00	-0.02	0.00
P21	Cargas muertas	7.50	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	23.00	0.00	0.00	0.00	0.00	0.00
P22	Cargas muertas	30.00	0.00	0.00	0.00	0.00	0.00
	TFCO (Uso E)	180.00	0.00	0.00	0.00	0.00	0.00
P23	Cargas muertas	150.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	155.00	0.00	0.00	0.00	0.00	0.00
P24	Cargas muertas	150.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	115.00	0.00	0.00	0.00	0.00	0.00
P25	Cargas muertas	150.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	126.00	0.00	0.00	0.00	0.00	0.00
P26	Cargas muertas	150.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	135.00	0.00	0.00	0.00	0.00	0.00
P27	Cargas muertas	150.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	160.00	0.00	0.00	0.00	0.00	0.00
P28	Cargas muertas	150.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	140.00	0.00	0.00	0.00	0.00	0.00
P29	Cargas muertas	150.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	90.00	0.00	0.00	0.00	0.00	0.00
P30	Cargas muertas	150.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	62.00	0.00	0.00	0.00	0.00	0.00
P31	Cargas muertas	150.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	160.00	0.00	0.00	0.00	0.00	0.00
P32	Cargas muertas	145.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	91.00	0.00	0.00	0.00	0.00	0.00
P33	Cargas muertas	145.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	45.00	0.00	0.00	0.00	0.00	0.00
P34	Cargas muertas	145.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	82.00	0.00	0.00	0.00	0.00	0.00
P35	Cargas muertas	145.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	73.00	0.00	0.00	0.00	0.00	0.00
P36	Cargas muertas	145.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	45.00	0.00	0.00	0.00	0.00	0.00
P37	Cargas muertas	145.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	40.00	0.00	0.00	0.00	0.00	0.00

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P38	Cargas muertas	145.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	75.00	0.00	0.00	0.00	0.00	0.00
P39	Cargas muertas	60.00	0.00	0.00	0.00	0.00	0.00
	Sobrecarga (Uso E)	55.00	0.00	0.00	0.00	0.00	0.00
P40	Cargas muertas	110.00	0.00	0.00	0.00	0.00	0.00
P42	Cargas muertas	110.00	0.00	0.00	0.00	0.00	0.00
P43	Cargas muertas	110.00	0.00	0.00	0.00	0.00	0.00
P44	Cargas muertas	90.00	0.00	0.00	0.00	0.00	0.00
P45	Cargas muertas	85.00	0.00	0.00	0.00	0.00	0.00
P46	Cargas muertas	90.00	0.00	0.00	0.00	0.00	0.00
P47	Cargas muertas	85.00	0.00	0.00	0.00	0.00	0.00
P48	Cargas muertas	110.00	0.00	0.00	0.00	0.00	0.00

### 4.6.- Leyes de presiones sobre muros

Empujes del terreno			
Referencia	Hipótesis	Descripción	Muro
RELLENO	RELLENO	Con relleno: Cota 0.00 m Ángulo de talud 0.00 Grados Densidad aparente 20.00 kN/m <sup>3</sup> Densidad sumergida 11.00 kN/m <sup>3</sup> Ángulo rozamiento interno 30.00 Grados Evacuación por drenaje 100.00 %	M1, M2, M3, M4

Leyes de presiones genéricas					
Referencia	Hipótesis	Presión		Descripción	Muro
		Cota (m)	Valor (kN/m <sup>2</sup> )		
ACERA	Cargas muertas	-6.00	1.7		M1, M3, M4
		0.00	1.7		
SU_E_9	Sobrecarga (Uso E)	-6.00	2.3		M2
		0.00	2.3		
SU_E_5	Sobrecarga (Uso E)	-6.00	1.7		-
		0.00	1.7		

### 4.7.- Listado de cargas

Cargas especiales introducidas (en kN, kN/m y kN/m<sup>2</sup>)

Grupo	Hipótesis	Tipo	Valor	Coordenadas
Forjado I	Cargas muertas	Lineal	1.00	(17.33,33.54) (17.33,39.13)
	Cargas muertas	Lineal	1.00	(17.33,27.95) (17.33,33.54)
	Cargas muertas	Lineal	1.00	(17.33,22.36) (17.33,27.95)
	Cargas muertas	Lineal	1.00	(17.33,16.77) (17.33,22.36)
	Cargas muertas	Lineal	1.00	(17.33,11.18) (17.33,16.77)

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Grupo	Hipótesis	Tipo	Valor	Coordenadas
	Cargas muertas	Lineal	1.00	(17.33,5.59) (17.33,11.18)
	Cargas muertas	Lineal	1.00	(17.33,0.00) (17.33,5.59)
	Cargas muertas	Lineal	45.00	(11.56,-0.00) (17.33,-0.00)
	Cargas muertas	Lineal	38.00	(5.78,-0.00) (11.56,-0.00)
	Cargas muertas	Lineal	38.00	(-0.00,0.00) (5.78,-0.00)
	Cargas muertas	Lineal	38.00	(0.00,0.00) (0.00,5.59)
	Cargas muertas	Lineal	38.00	(0.00,5.59) (0.00,11.18)
	Cargas muertas	Lineal	38.00	(0.00,11.18) (0.00,16.77)
	Cargas muertas	Lineal	38.00	(0.00,16.77) (0.00,22.36)
	Cargas muertas	Lineal	38.00	(0.00,22.36) (0.00,27.95)
	Cargas muertas	Lineal	38.00	(0.00,27.95) (0.00,33.54)
	Cargas muertas	Lineal	38.00	(0.00,33.54) (0.00,39.13)
	Cargas muertas	Lineal	38.00	(5.78,39.13) (-0.00,39.13)
	Cargas muertas	Lineal	38.00	(11.56,39.13) (5.78,39.13)
	Cargas muertas	Lineal	38.00	(17.33,39.13) (11.56,39.13)
	Sobrecarga (Uso E)	Lineal	5.00	(17.33,33.54) (17.33,39.13)
	Sobrecarga (Uso E)	Lineal	5.00	(17.33,27.95) (17.33,33.54)
	Sobrecarga (Uso E)	Lineal	5.00	(17.33,22.36) (17.33,27.95)
	Sobrecarga (Uso E)	Lineal	5.00	(17.33,16.77) (17.33,22.36)
	Sobrecarga (Uso E)	Lineal	5.00	(17.33,11.18) (17.33,16.77)
	Sobrecarga (Uso E)	Lineal	5.00	(17.33,5.59) (17.33,11.18)
	Sobrecarga (Uso E)	Lineal	5.00	(17.33,0.00) (17.33,5.59)
	Sobrecarga (Uso E)	Lineal	5.00	(5.78,-0.00) (11.56,-0.00)
	Sobrecarga (Uso E)	Lineal	5.00	(-0.00,0.00) (5.78,-0.00)
	Sobrecarga (Uso E)	Lineal	5.00	(0.00,0.00) (0.00,5.59)
	Sobrecarga (Uso E)	Lineal	5.00	(0.00,5.59) (0.00,11.18)
	Sobrecarga (Uso E)	Lineal	5.00	(0.00,11.18) (0.00,16.77)
	Sobrecarga (Uso E)	Lineal	5.00	(0.00,16.77) (0.00,22.36)
	Sobrecarga (Uso E)	Lineal	5.00	(0.00,22.36) (0.00,27.95)
	Sobrecarga (Uso E)	Lineal	5.00	(0.00,27.95) (0.00,33.54)
	Sobrecarga (Uso E)	Lineal	5.00	(0.00,33.54) (0.00,39.13)
	Sobrecarga (Uso E)	Lineal	5.00	(5.78,39.13) (-0.00,39.13)
	Sobrecarga (Uso E)	Lineal	5.00	(11.56,39.13) (5.78,39.13)
	Sobrecarga (Uso E)	Lineal	5.00	(17.33,39.13) (11.56,39.13)
	Sobrecarga (Uso E)	Lineal	6.00	(11.56,-0.00) (17.33,-0.00)

## 5.- ESTADOS LÍMITE

E.L.U. de rotura. Hormigón	CTE
E.L.U. de rotura. Hormigón en cimentaciones	Cota de nieve: Altitud inferior o igual a 1000 m
Tensiones sobre el terreno	Acciones características
Desplazamientos	

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## 6.- SITUACIONES DE PROYECTO

Para las distintas situaciones de proyecto, las combinaciones de acciones se definirán de acuerdo con los siguientes criterios:

### - Con coeficientes de combinación

$$\sum_{j \geq 1} \gamma_{Gj} G_{kj} + \gamma_P P_k + \gamma_{Q1} \Psi_{p1} Q_{k1} + \sum_{i > 1} \gamma_{Qi} \Psi_{ai} Q_{ki}$$

### - Sin coeficientes de combinación

$$\sum_{j \geq 1} \gamma_{Gj} G_{kj} + \gamma_P P_k + \sum_{i \geq 1} \gamma_{Qi} Q_{ki}$$

- Donde:

$G_k$  Acción permanente

$P_k$  Acción de pretensado

$Q_k$  Acción variable

$\gamma_G$  Coeficiente parcial de seguridad de las acciones permanentes

$\gamma_P$  Coeficiente parcial de seguridad de la acción de pretensado

$\gamma_{Q,i}$  Coeficiente parcial de seguridad de la acción variable principal

$\gamma_{Q,i}$  Coeficiente parcial de seguridad de las acciones variables de acompañamiento

$\Psi_{p,i}$  Coeficiente de combinación de la acción variable principal

$\Psi_{a,i}$  Coeficiente de combinación de las acciones variables de acompañamiento

### 6.1.- Coeficientes parciales de seguridad ( $\gamma$ ) y coeficientes de combinación ( $\psi$ )

Para cada situación de proyecto y estado límite los coeficientes a utilizar serán:

#### E.L.U. de rotura. Hormigón: EHE-08

Persistente o transitoria				
	Coeficientes parciales de seguridad ( $\gamma$ )		Coeficientes de combinación ( $\psi$ )	
	Favorable	Desfavorable	Principal ( $\psi_p$ )	Acompañamiento ( $\psi_a$ )
Carga permanente (G)	1.000	1.350	-	-
Sobrecarga (Q - Uso C)	0.000	1.500	1.000	0.700
Sobrecarga (Q - Uso E)	0.000	1.500	1.000	0.700
Viento (Q)	0.000	1.500	1.000	0.600
Nieve (Q)	0.000	1.500	1.000	0.500
Empujes del terreno (H)	1.000	1.350	-	-

#### E.L.U. de rotura. Hormigón en cimentaciones: EHE-08 / CTE DB-SE C

Persistente o transitoria				
	Coeficientes parciales de seguridad ( $\gamma$ )		Coeficientes de combinación ( $\psi$ )	
	Favorable	Desfavorable	Principal ( $\psi_p$ )	Acompañamiento ( $\psi_a$ )
Carga permanente (G)	1.000	1.600	-	-
Sobrecarga (Q - Uso C)	0.000	1.600	1.000	0.700
Sobrecarga (Q - Uso E)	0.000	1.600	1.000	0.700

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<b>Persistente o transitoria</b>				
	Coeficientes parciales de seguridad ( $\gamma$ )		Coeficientes de combinación ( $\psi$ )	
	Favorable	Desfavorable	Principal ( $\psi_p$ )	Acompañamiento ( $\psi_a$ )
Viento (Q)	0.000	1.600	1.000	0.600
Nieve (Q)	0.000	1.600	1.000	0.500
Empujes del terreno (H)	1.000	1.600	-	-

## Tensiones sobre el terreno

<b>Característica</b>				
	Coeficientes parciales de seguridad ( $\gamma$ )		Coeficientes de combinación ( $\psi$ )	
	Favorable	Desfavorable	Principal ( $\psi_p$ )	Acompañamiento ( $\psi_a$ )
Carga permanente (G)	1.000	1.000	-	-
Sobrecarga (Q - Uso C)	0.000	1.000	1.000	1.000
Sobrecarga (Q - Uso E)	0.000	1.000	1.000	1.000
Viento (Q)	0.000	1.000	1.000	1.000
Nieve (Q)	0.000	1.000	1.000	1.000
Empujes del terreno (H)	1.000	1.000	-	-

## Desplazamientos

<b>Característica</b>				
	Coeficientes parciales de seguridad ( $\gamma$ )		Coeficientes de combinación ( $\psi$ )	
	Favorable	Desfavorable	Principal ( $\psi_p$ )	Acompañamiento ( $\psi_a$ )
Carga permanente (G)	1.000	1.000	-	-
Sobrecarga (Q - Uso C)	0.000	1.000	1.000	1.000
Sobrecarga (Q - Uso E)	0.000	1.000	1.000	1.000
Viento (Q)	0.000	1.000	1.000	1.000
Nieve (Q)	0.000	1.000	1.000	1.000
Empujes del terreno (H)	1.000	1.000	-	-

## 6.2.- Combinaciones

### ■ Nombres de las hipótesis

PP Peso propio

CM Cargas muertas

RELLENO RELLENO

Qa (C) Sobrecarga (Uso C. Zonas de acceso al público)

Qa (E) Sobrecarga (Uso E. Zonas de tráfico y aparcamiento para vehículos ligeros)

TFCO (E) TFCO (Uso E. Zonas de tráfico y aparcamiento para vehículos ligeros)

E+X E+X

E-X E-X

E+Y E+Y

E-Y E-Y

N N

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## ■ E.L.U. de rotura. Hormigón

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
1	1.000	1.000	1.000								
2	1.350	1.350	1.000								
3	1.000	1.000	1.000	1.500							
4	1.350	1.350	1.000	1.500							
5	1.000	1.000	1.000		1.500						
6	1.350	1.350	1.000		1.500						
7	1.000	1.000	1.000	1.050	1.500						
8	1.350	1.350	1.000	1.050	1.500						
9	1.000	1.000	1.000	1.500	1.050						
10	1.350	1.350	1.000	1.500	1.050						
11	1.000	1.000	1.000			1.500					
12	1.350	1.350	1.000			1.500					
13	1.000	1.000	1.000	1.050		1.500					
14	1.350	1.350	1.000	1.050		1.500					
15	1.000	1.000	1.000		1.500	1.500					
16	1.350	1.350	1.000		1.500	1.500					
17	1.000	1.000	1.000	1.050	1.500	1.500					
18	1.350	1.350	1.000	1.050	1.500	1.500					
19	1.000	1.000	1.000	1.500		1.050					
20	1.350	1.350	1.000	1.500		1.050					
21	1.000	1.000	1.000	1.500	1.050	1.050					
22	1.350	1.350	1.000	1.500	1.050	1.050					
23	1.000	1.000	1.000				1.500				
24	1.350	1.350	1.000				1.500				
25	1.000	1.000	1.000	1.050			1.500				
26	1.350	1.350	1.000	1.050			1.500				
27	1.000	1.000	1.000		1.050		1.500				
28	1.350	1.350	1.000		1.050		1.500				
29	1.000	1.000	1.000	1.050	1.050		1.500				
30	1.350	1.350	1.000	1.050	1.050		1.500				
31	1.000	1.000	1.000			1.050	1.500				
32	1.350	1.350	1.000			1.050	1.500				
33	1.000	1.000	1.000	1.050		1.050	1.500				
34	1.350	1.350	1.000	1.050		1.050	1.500				
35	1.000	1.000	1.000		1.050	1.050	1.500				
36	1.350	1.350	1.000		1.050	1.050	1.500				
37	1.000	1.000	1.000	1.050	1.050	1.050	1.500				
38	1.350	1.350	1.000	1.050	1.050	1.050	1.500				
39	1.000	1.000	1.000	1.500			0.900				
40	1.350	1.350	1.000	1.500			0.900				
41	1.000	1.000	1.000		1.500		0.900				
42	1.350	1.350	1.000		1.500		0.900				
43	1.000	1.000	1.000	1.050	1.500		0.900				

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
44	1.350	1.350	1.000	1.050	1.500		0.900				
45	1.000	1.000	1.000	1.500	1.050		0.900				
46	1.350	1.350	1.000	1.500	1.050		0.900				
47	1.000	1.000	1.000			1.500	0.900				
48	1.350	1.350	1.000			1.500	0.900				
49	1.000	1.000	1.000	1.050		1.500	0.900				
50	1.350	1.350	1.000	1.050		1.500	0.900				
51	1.000	1.000	1.000		1.500	1.500	0.900				
52	1.350	1.350	1.000		1.500	1.500	0.900				
53	1.000	1.000	1.000	1.050	1.500	1.500	0.900				
54	1.350	1.350	1.000	1.050	1.500	1.500	0.900				
55	1.000	1.000	1.000	1.500		1.050	0.900				
56	1.350	1.350	1.000	1.500		1.050	0.900				
57	1.000	1.000	1.000	1.500	1.050	1.050	0.900				
58	1.350	1.350	1.000	1.500	1.050	1.050	0.900				
59	1.000	1.000	1.000					1.500			
60	1.350	1.350	1.000					1.500			
61	1.000	1.000	1.000	1.050				1.500			
62	1.350	1.350	1.000	1.050				1.500			
63	1.000	1.000	1.000		1.050			1.500			
64	1.350	1.350	1.000		1.050			1.500			
65	1.000	1.000	1.000	1.050	1.050			1.500			
66	1.350	1.350	1.000	1.050	1.050			1.500			
67	1.000	1.000	1.000			1.050		1.500			
68	1.350	1.350	1.000			1.050		1.500			
69	1.000	1.000	1.000	1.050		1.050		1.500			
70	1.350	1.350	1.000	1.050		1.050		1.500			
71	1.000	1.000	1.000		1.050	1.050		1.500			
72	1.350	1.350	1.000		1.050	1.050		1.500			
73	1.000	1.000	1.000	1.050	1.050	1.050		1.500			
74	1.350	1.350	1.000	1.050	1.050	1.050		1.500			
75	1.000	1.000	1.000	1.500				0.900			
76	1.350	1.350	1.000	1.500				0.900			
77	1.000	1.000	1.000		1.500			0.900			
78	1.350	1.350	1.000		1.500			0.900			
79	1.000	1.000	1.000	1.050	1.500			0.900			
80	1.350	1.350	1.000	1.050	1.500			0.900			
81	1.000	1.000	1.000	1.500	1.050			0.900			
82	1.350	1.350	1.000	1.500	1.050			0.900			
83	1.000	1.000	1.000			1.500		0.900			
84	1.350	1.350	1.000			1.500		0.900			
85	1.000	1.000	1.000	1.050		1.500		0.900			
86	1.350	1.350	1.000	1.050		1.500		0.900			
87	1.000	1.000	1.000		1.500	1.500		0.900			
88	1.350	1.350	1.000		1.500	1.500		0.900			
89	1.000	1.000	1.000	1.050	1.500	1.500		0.900			

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
90	1.350	1.350	1.000	1.050	1.500	1.500		0.900			
91	1.000	1.000	1.000	1.500		1.050		0.900			
92	1.350	1.350	1.000	1.500		1.050		0.900			
93	1.000	1.000	1.000	1.500	1.050	1.050		0.900			
94	1.350	1.350	1.000	1.500	1.050	1.050		0.900			
95	1.000	1.000	1.000						1.500		
96	1.350	1.350	1.000						1.500		
97	1.000	1.000	1.000	1.050					1.500		
98	1.350	1.350	1.000	1.050					1.500		
99	1.000	1.000	1.000		1.050				1.500		
100	1.350	1.350	1.000		1.050				1.500		
101	1.000	1.000	1.000	1.050	1.050				1.500		
102	1.350	1.350	1.000	1.050	1.050				1.500		
103	1.000	1.000	1.000			1.050			1.500		
104	1.350	1.350	1.000			1.050			1.500		
105	1.000	1.000	1.000	1.050		1.050			1.500		
106	1.350	1.350	1.000	1.050		1.050			1.500		
107	1.000	1.000	1.000		1.050	1.050			1.500		
108	1.350	1.350	1.000		1.050	1.050			1.500		
109	1.000	1.000	1.000	1.050	1.050	1.050			1.500		
110	1.350	1.350	1.000	1.050	1.050	1.050			1.500		
111	1.000	1.000	1.000	1.500					0.900		
112	1.350	1.350	1.000	1.500					0.900		
113	1.000	1.000	1.000		1.500				0.900		
114	1.350	1.350	1.000		1.500				0.900		
115	1.000	1.000	1.000	1.050	1.500				0.900		
116	1.350	1.350	1.000	1.050	1.500				0.900		
117	1.000	1.000	1.000	1.500	1.050				0.900		
118	1.350	1.350	1.000	1.500	1.050				0.900		
119	1.000	1.000	1.000			1.500			0.900		
120	1.350	1.350	1.000			1.500			0.900		
121	1.000	1.000	1.000	1.050		1.500			0.900		
122	1.350	1.350	1.000	1.050		1.500			0.900		
123	1.000	1.000	1.000		1.500	1.500			0.900		
124	1.350	1.350	1.000		1.500	1.500			0.900		
125	1.000	1.000	1.000	1.050	1.500	1.500			0.900		
126	1.350	1.350	1.000	1.050	1.500	1.500			0.900		
127	1.000	1.000	1.000	1.500		1.050			0.900		
128	1.350	1.350	1.000	1.500		1.050			0.900		
129	1.000	1.000	1.000	1.500	1.050	1.050			0.900		
130	1.350	1.350	1.000	1.500	1.050	1.050			0.900		
131	1.000	1.000	1.000							1.500	
132	1.350	1.350	1.000							1.500	
133	1.000	1.000	1.000	1.050						1.500	
134	1.350	1.350	1.000	1.050						1.500	
135	1.000	1.000	1.000		1.050					1.500	

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
136	1.350	1.350	1.000		1.050					1.500	
137	1.000	1.000	1.000	1.050	1.050					1.500	
138	1.350	1.350	1.000	1.050	1.050					1.500	
139	1.000	1.000	1.000			1.050				1.500	
140	1.350	1.350	1.000			1.050				1.500	
141	1.000	1.000	1.000	1.050		1.050				1.500	
142	1.350	1.350	1.000	1.050		1.050				1.500	
143	1.000	1.000	1.000		1.050	1.050				1.500	
144	1.350	1.350	1.000		1.050	1.050				1.500	
145	1.000	1.000	1.000	1.050	1.050	1.050				1.500	
146	1.350	1.350	1.000	1.050	1.050	1.050				1.500	
147	1.000	1.000	1.000	1.500						0.900	
148	1.350	1.350	1.000	1.500						0.900	
149	1.000	1.000	1.000		1.500					0.900	
150	1.350	1.350	1.000		1.500					0.900	
151	1.000	1.000	1.000	1.050	1.500					0.900	
152	1.350	1.350	1.000	1.050	1.500					0.900	
153	1.000	1.000	1.000	1.500	1.050					0.900	
154	1.350	1.350	1.000	1.500	1.050					0.900	
155	1.000	1.000	1.000			1.500				0.900	
156	1.350	1.350	1.000			1.500				0.900	
157	1.000	1.000	1.000	1.050		1.500				0.900	
158	1.350	1.350	1.000	1.050		1.500				0.900	
159	1.000	1.000	1.000		1.500	1.500				0.900	
160	1.350	1.350	1.000		1.500	1.500				0.900	
161	1.000	1.000	1.000	1.050	1.500	1.500				0.900	
162	1.350	1.350	1.000	1.050	1.500	1.500				0.900	
163	1.000	1.000	1.000	1.500		1.050				0.900	
164	1.350	1.350	1.000	1.500		1.050				0.900	
165	1.000	1.000	1.000	1.500	1.050	1.050				0.900	
166	1.350	1.350	1.000	1.500	1.050	1.050				0.900	
167	1.000	1.000	1.000								1.500
168	1.350	1.350	1.000								1.500
169	1.000	1.000	1.000	1.050							1.500
170	1.350	1.350	1.000	1.050							1.500
171	1.000	1.000	1.000		1.050						1.500
172	1.350	1.350	1.000		1.050						1.500
173	1.000	1.000	1.000	1.050	1.050						1.500
174	1.350	1.350	1.000	1.050	1.050						1.500
175	1.000	1.000	1.000			1.050					1.500
176	1.350	1.350	1.000			1.050					1.500
177	1.000	1.000	1.000	1.050		1.050					1.500
178	1.350	1.350	1.000	1.050		1.050					1.500
179	1.000	1.000	1.000		1.050	1.050					1.500
180	1.350	1.350	1.000		1.050	1.050					1.500
181	1.000	1.000	1.000	1.050	1.050	1.050					1.500

## Listado de datos de la obra

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
182	1.350	1.350	1.000	1.050	1.050	1.050					1.500
183	1.000	1.000	1.000				0.900				1.500
184	1.350	1.350	1.000				0.900				1.500
185	1.000	1.000	1.000	1.050			0.900				1.500
186	1.350	1.350	1.000	1.050			0.900				1.500
187	1.000	1.000	1.000		1.050		0.900				1.500
188	1.350	1.350	1.000		1.050		0.900				1.500
189	1.000	1.000	1.000	1.050	1.050		0.900				1.500
190	1.350	1.350	1.000	1.050	1.050		0.900				1.500
191	1.000	1.000	1.000			1.050	0.900				1.500
192	1.350	1.350	1.000			1.050	0.900				1.500
193	1.000	1.000	1.000	1.050		1.050	0.900				1.500
194	1.350	1.350	1.000	1.050		1.050	0.900				1.500
195	1.000	1.000	1.000		1.050	1.050	0.900				1.500
196	1.350	1.350	1.000		1.050	1.050	0.900				1.500
197	1.000	1.000	1.000	1.050	1.050	1.050	0.900				1.500
198	1.350	1.350	1.000	1.050	1.050	1.050	0.900				1.500
199	1.000	1.000	1.000					0.900			1.500
200	1.350	1.350	1.000					0.900			1.500
201	1.000	1.000	1.000	1.050				0.900			1.500
202	1.350	1.350	1.000	1.050				0.900			1.500
203	1.000	1.000	1.000		1.050			0.900			1.500
204	1.350	1.350	1.000		1.050			0.900			1.500
205	1.000	1.000	1.000	1.050	1.050			0.900			1.500
206	1.350	1.350	1.000	1.050	1.050			0.900			1.500
207	1.000	1.000	1.000			1.050	0.900				1.500
208	1.350	1.350	1.000			1.050	0.900				1.500
209	1.000	1.000	1.000	1.050		1.050	0.900				1.500
210	1.350	1.350	1.000	1.050		1.050	0.900				1.500
211	1.000	1.000	1.000		1.050	1.050	0.900				1.500
212	1.350	1.350	1.000		1.050	1.050	0.900				1.500
213	1.000	1.000	1.000	1.050	1.050	1.050	0.900				1.500
214	1.350	1.350	1.000	1.050	1.050	1.050	0.900				1.500
215	1.000	1.000	1.000						0.900		1.500
216	1.350	1.350	1.000						0.900		1.500
217	1.000	1.000	1.000	1.050					0.900		1.500
218	1.350	1.350	1.000	1.050					0.900		1.500
219	1.000	1.000	1.000		1.050				0.900		1.500
220	1.350	1.350	1.000		1.050				0.900		1.500
221	1.000	1.000	1.000	1.050	1.050				0.900		1.500
222	1.350	1.350	1.000	1.050	1.050				0.900		1.500
223	1.000	1.000	1.000			1.050			0.900		1.500
224	1.350	1.350	1.000			1.050			0.900		1.500
225	1.000	1.000	1.000	1.050		1.050			0.900		1.500
226	1.350	1.350	1.000	1.050		1.050			0.900		1.500
227	1.000	1.000	1.000		1.050	1.050			0.900		1.500

## Listado de datos de la obra

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
228	1.350	1.350	1.000		1.050	1.050			0.900		1.500
229	1.000	1.000	1.000	1.050	1.050	1.050			0.900		1.500
230	1.350	1.350	1.000	1.050	1.050	1.050			0.900		1.500
231	1.000	1.000	1.000							0.900	1.500
232	1.350	1.350	1.000							0.900	1.500
233	1.000	1.000	1.000	1.050						0.900	1.500
234	1.350	1.350	1.000	1.050						0.900	1.500
235	1.000	1.000	1.000		1.050					0.900	1.500
236	1.350	1.350	1.000		1.050					0.900	1.500
237	1.000	1.000	1.000	1.050	1.050					0.900	1.500
238	1.350	1.350	1.000	1.050	1.050					0.900	1.500
239	1.000	1.000	1.000			1.050				0.900	1.500
240	1.350	1.350	1.000			1.050				0.900	1.500
241	1.000	1.000	1.000	1.050		1.050				0.900	1.500
242	1.350	1.350	1.000	1.050		1.050				0.900	1.500
243	1.000	1.000	1.000		1.050	1.050				0.900	1.500
244	1.350	1.350	1.000		1.050	1.050				0.900	1.500
245	1.000	1.000	1.000	1.050	1.050	1.050				0.900	1.500
246	1.350	1.350	1.000	1.050	1.050	1.050				0.900	1.500
247	1.000	1.000	1.000	1.500							0.750
248	1.350	1.350	1.000	1.500							0.750
249	1.000	1.000	1.000		1.500						0.750
250	1.350	1.350	1.000		1.500						0.750
251	1.000	1.000	1.000	1.050	1.500						0.750
252	1.350	1.350	1.000	1.050	1.500						0.750
253	1.000	1.000	1.000	1.500	1.050						0.750
254	1.350	1.350	1.000	1.500	1.050						0.750
255	1.000	1.000	1.000			1.500					0.750
256	1.350	1.350	1.000			1.500					0.750
257	1.000	1.000	1.000	1.050		1.500					0.750
258	1.350	1.350	1.000	1.050		1.500					0.750
259	1.000	1.000	1.000		1.500	1.500					0.750
260	1.350	1.350	1.000		1.500	1.500					0.750
261	1.000	1.000	1.000	1.050	1.500	1.500					0.750
262	1.350	1.350	1.000	1.050	1.500	1.500					0.750
263	1.000	1.000	1.000	1.500		1.050					0.750
264	1.350	1.350	1.000	1.500		1.050					0.750
265	1.000	1.000	1.000	1.500	1.050	1.050					0.750
266	1.350	1.350	1.000	1.500	1.050	1.050					0.750
267	1.000	1.000	1.000				1.500				0.750
268	1.350	1.350	1.000				1.500				0.750
269	1.000	1.000	1.000	1.050			1.500				0.750
270	1.350	1.350	1.000	1.050			1.500				0.750
271	1.000	1.000	1.000		1.050		1.500				0.750
272	1.350	1.350	1.000		1.050		1.500				0.750
273	1.000	1.000	1.000	1.050	1.050		1.500				0.750

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
274	1.350	1.350	1.000	1.050	1.050		1.500				0.750
275	1.000	1.000	1.000			1.050	1.500				0.750
276	1.350	1.350	1.000			1.050	1.500				0.750
277	1.000	1.000	1.000	1.050		1.050	1.500				0.750
278	1.350	1.350	1.000	1.050		1.050	1.500				0.750
279	1.000	1.000	1.000		1.050	1.050	1.500				0.750
280	1.350	1.350	1.000		1.050	1.050	1.500				0.750
281	1.000	1.000	1.000	1.050	1.050	1.050	1.500				0.750
282	1.350	1.350	1.000	1.050	1.050	1.050	1.500				0.750
283	1.000	1.000	1.000	1.500			0.900				0.750
284	1.350	1.350	1.000	1.500			0.900				0.750
285	1.000	1.000	1.000		1.500		0.900				0.750
286	1.350	1.350	1.000		1.500		0.900				0.750
287	1.000	1.000	1.000	1.050	1.500		0.900				0.750
288	1.350	1.350	1.000	1.050	1.500		0.900				0.750
289	1.000	1.000	1.000	1.500	1.050		0.900				0.750
290	1.350	1.350	1.000	1.500	1.050		0.900				0.750
291	1.000	1.000	1.000			1.500	0.900				0.750
292	1.350	1.350	1.000			1.500	0.900				0.750
293	1.000	1.000	1.000	1.050		1.500	0.900				0.750
294	1.350	1.350	1.000	1.050		1.500	0.900				0.750
295	1.000	1.000	1.000		1.500	1.500	0.900				0.750
296	1.350	1.350	1.000		1.500	1.500	0.900				0.750
297	1.000	1.000	1.000	1.050	1.500	1.500	0.900				0.750
298	1.350	1.350	1.000	1.050	1.500	1.500	0.900				0.750
299	1.000	1.000	1.000	1.500		1.050	0.900				0.750
300	1.350	1.350	1.000	1.500		1.050	0.900				0.750
301	1.000	1.000	1.000	1.500	1.050	1.050	0.900				0.750
302	1.350	1.350	1.000	1.500	1.050	1.050	0.900				0.750
303	1.000	1.000	1.000					1.500			0.750
304	1.350	1.350	1.000					1.500			0.750
305	1.000	1.000	1.000	1.050				1.500			0.750
306	1.350	1.350	1.000	1.050				1.500			0.750
307	1.000	1.000	1.000		1.050			1.500			0.750
308	1.350	1.350	1.000		1.050			1.500			0.750
309	1.000	1.000	1.000	1.050	1.050			1.500			0.750
310	1.350	1.350	1.000	1.050	1.050			1.500			0.750
311	1.000	1.000	1.000			1.050		1.500			0.750
312	1.350	1.350	1.000			1.050		1.500			0.750
313	1.000	1.000	1.000	1.050		1.050		1.500			0.750
314	1.350	1.350	1.000	1.050		1.050		1.500			0.750
315	1.000	1.000	1.000		1.050	1.050		1.500			0.750
316	1.350	1.350	1.000		1.050	1.050		1.500			0.750
317	1.000	1.000	1.000	1.050	1.050	1.050		1.500			0.750
318	1.350	1.350	1.000	1.050	1.050	1.050		1.500			0.750
319	1.000	1.000	1.000	1.500				0.900			0.750

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
320	1.350	1.350	1.000	1.500				0.900			0.750
321	1.000	1.000	1.000		1.500			0.900			0.750
322	1.350	1.350	1.000		1.500			0.900			0.750
323	1.000	1.000	1.000	1.050	1.500			0.900			0.750
324	1.350	1.350	1.000	1.050	1.500			0.900			0.750
325	1.000	1.000	1.000	1.500	1.050			0.900			0.750
326	1.350	1.350	1.000	1.500	1.050			0.900			0.750
327	1.000	1.000	1.000			1.500		0.900			0.750
328	1.350	1.350	1.000			1.500		0.900			0.750
329	1.000	1.000	1.000	1.050		1.500		0.900			0.750
330	1.350	1.350	1.000	1.050		1.500		0.900			0.750
331	1.000	1.000	1.000		1.500	1.500		0.900			0.750
332	1.350	1.350	1.000		1.500	1.500		0.900			0.750
333	1.000	1.000	1.000	1.050	1.500	1.500		0.900			0.750
334	1.350	1.350	1.000	1.050	1.500	1.500		0.900			0.750
335	1.000	1.000	1.000	1.500		1.050		0.900			0.750
336	1.350	1.350	1.000	1.500		1.050		0.900			0.750
337	1.000	1.000	1.000	1.500	1.050	1.050		0.900			0.750
338	1.350	1.350	1.000	1.500	1.050	1.050		0.900			0.750
339	1.000	1.000	1.000						1.500		0.750
340	1.350	1.350	1.000						1.500		0.750
341	1.000	1.000	1.000	1.050					1.500		0.750
342	1.350	1.350	1.000	1.050					1.500		0.750
343	1.000	1.000	1.000		1.050				1.500		0.750
344	1.350	1.350	1.000		1.050				1.500		0.750
345	1.000	1.000	1.000	1.050	1.050				1.500		0.750
346	1.350	1.350	1.000	1.050	1.050				1.500		0.750
347	1.000	1.000	1.000			1.050			1.500		0.750
348	1.350	1.350	1.000			1.050			1.500		0.750
349	1.000	1.000	1.000	1.050		1.050			1.500		0.750
350	1.350	1.350	1.000	1.050		1.050			1.500		0.750
351	1.000	1.000	1.000		1.050	1.050			1.500		0.750
352	1.350	1.350	1.000		1.050	1.050			1.500		0.750
353	1.000	1.000	1.000	1.050	1.050	1.050			1.500		0.750
354	1.350	1.350	1.000	1.050	1.050	1.050			1.500		0.750
355	1.000	1.000	1.000	1.500					0.900		0.750
356	1.350	1.350	1.000	1.500					0.900		0.750
357	1.000	1.000	1.000		1.500				0.900		0.750
358	1.350	1.350	1.000		1.500				0.900		0.750
359	1.000	1.000	1.000	1.050	1.500				0.900		0.750
360	1.350	1.350	1.000	1.050	1.500				0.900		0.750
361	1.000	1.000	1.000	1.500	1.050				0.900		0.750
362	1.350	1.350	1.000	1.500	1.050				0.900		0.750
363	1.000	1.000	1.000			1.500			0.900		0.750
364	1.350	1.350	1.000			1.500			0.900		0.750
365	1.000	1.000	1.000	1.050		1.500			0.900		0.750

## Listado de datos de la obra

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
366	1.350	1.350	1.000	1.050		1.500			0.900		0.750
367	1.000	1.000	1.000		1.500	1.500			0.900		0.750
368	1.350	1.350	1.000		1.500	1.500			0.900		0.750
369	1.000	1.000	1.000	1.050	1.500	1.500			0.900		0.750
370	1.350	1.350	1.000	1.050	1.500	1.500			0.900		0.750
371	1.000	1.000	1.000	1.500		1.050			0.900		0.750
372	1.350	1.350	1.000	1.500		1.050			0.900		0.750
373	1.000	1.000	1.000	1.500	1.050	1.050			0.900		0.750
374	1.350	1.350	1.000	1.500	1.050	1.050			0.900		0.750
375	1.000	1.000	1.000							1.500	0.750
376	1.350	1.350	1.000							1.500	0.750
377	1.000	1.000	1.000	1.050						1.500	0.750
378	1.350	1.350	1.000	1.050						1.500	0.750
379	1.000	1.000	1.000		1.050					1.500	0.750
380	1.350	1.350	1.000		1.050					1.500	0.750
381	1.000	1.000	1.000	1.050	1.050					1.500	0.750
382	1.350	1.350	1.000	1.050	1.050					1.500	0.750
383	1.000	1.000	1.000			1.050				1.500	0.750
384	1.350	1.350	1.000			1.050				1.500	0.750
385	1.000	1.000	1.000	1.050		1.050				1.500	0.750
386	1.350	1.350	1.000	1.050		1.050				1.500	0.750
387	1.000	1.000	1.000		1.050	1.050				1.500	0.750
388	1.350	1.350	1.000		1.050	1.050				1.500	0.750
389	1.000	1.000	1.000	1.050	1.050	1.050				1.500	0.750
390	1.350	1.350	1.000	1.050	1.050	1.050				1.500	0.750
391	1.000	1.000	1.000	1.500						0.900	0.750
392	1.350	1.350	1.000	1.500						0.900	0.750
393	1.000	1.000	1.000		1.500					0.900	0.750
394	1.350	1.350	1.000		1.500					0.900	0.750
395	1.000	1.000	1.000	1.050	1.500					0.900	0.750
396	1.350	1.350	1.000	1.050	1.500					0.900	0.750
397	1.000	1.000	1.000	1.500	1.050					0.900	0.750
398	1.350	1.350	1.000	1.500	1.050					0.900	0.750
399	1.000	1.000	1.000			1.500				0.900	0.750
400	1.350	1.350	1.000			1.500				0.900	0.750
401	1.000	1.000	1.000	1.050		1.500				0.900	0.750
402	1.350	1.350	1.000	1.050		1.500				0.900	0.750
403	1.000	1.000	1.000		1.500	1.500				0.900	0.750
404	1.350	1.350	1.000		1.500	1.500				0.900	0.750
405	1.000	1.000	1.000	1.050	1.500	1.500				0.900	0.750
406	1.350	1.350	1.000	1.050	1.500	1.500				0.900	0.750
407	1.000	1.000	1.000	1.500		1.050				0.900	0.750
408	1.350	1.350	1.000	1.500		1.050				0.900	0.750
409	1.000	1.000	1.000	1.500	1.050	1.050				0.900	0.750
410	1.350	1.350	1.000	1.500	1.050	1.050				0.900	0.750
411	1.000	1.000	1.350								

## Listado de datos de la obra

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
412	1.350	1.350	1.350								
413	1.000	1.000	1.350	1.500							
414	1.350	1.350	1.350	1.500							
415	1.000	1.000	1.350		1.500						
416	1.350	1.350	1.350		1.500						
417	1.000	1.000	1.350	1.050	1.500						
418	1.350	1.350	1.350	1.050	1.500						
419	1.000	1.000	1.350	1.500	1.050						
420	1.350	1.350	1.350	1.500	1.050						
421	1.000	1.000	1.350			1.500					
422	1.350	1.350	1.350			1.500					
423	1.000	1.000	1.350	1.050		1.500					
424	1.350	1.350	1.350	1.050		1.500					
425	1.000	1.000	1.350		1.500	1.500					
426	1.350	1.350	1.350		1.500	1.500					
427	1.000	1.000	1.350	1.050	1.500	1.500					
428	1.350	1.350	1.350	1.050	1.500	1.500					
429	1.000	1.000	1.350	1.500		1.050					
430	1.350	1.350	1.350	1.500		1.050					
431	1.000	1.000	1.350	1.500	1.050	1.050					
432	1.350	1.350	1.350	1.500	1.050	1.050					
433	1.000	1.000	1.350				1.500				
434	1.350	1.350	1.350				1.500				
435	1.000	1.000	1.350	1.050			1.500				
436	1.350	1.350	1.350	1.050			1.500				
437	1.000	1.000	1.350		1.050		1.500				
438	1.350	1.350	1.350		1.050		1.500				
439	1.000	1.000	1.350	1.050	1.050		1.500				
440	1.350	1.350	1.350	1.050	1.050		1.500				
441	1.000	1.000	1.350			1.050	1.500				
442	1.350	1.350	1.350			1.050	1.500				
443	1.000	1.000	1.350	1.050		1.050	1.500				
444	1.350	1.350	1.350	1.050		1.050	1.500				
445	1.000	1.000	1.350		1.050	1.050	1.500				
446	1.350	1.350	1.350		1.050	1.050	1.500				
447	1.000	1.000	1.350	1.050	1.050	1.050	1.500				
448	1.350	1.350	1.350	1.050	1.050	1.050	1.500				
449	1.000	1.000	1.350	1.500			0.900				
450	1.350	1.350	1.350	1.500			0.900				
451	1.000	1.000	1.350		1.500		0.900				
452	1.350	1.350	1.350		1.500		0.900				
453	1.000	1.000	1.350	1.050	1.500		0.900				
454	1.350	1.350	1.350	1.050	1.500		0.900				
455	1.000	1.000	1.350	1.500	1.050		0.900				
456	1.350	1.350	1.350	1.500	1.050		0.900				
457	1.000	1.000	1.350			1.500	0.900				

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
458	1.350	1.350	1.350			1.500	0.900				
459	1.000	1.000	1.350	1.050		1.500	0.900				
460	1.350	1.350	1.350	1.050		1.500	0.900				
461	1.000	1.000	1.350		1.500	1.500	0.900				
462	1.350	1.350	1.350		1.500	1.500	0.900				
463	1.000	1.000	1.350	1.050	1.500	1.500	0.900				
464	1.350	1.350	1.350	1.050	1.500	1.500	0.900				
465	1.000	1.000	1.350	1.500		1.050	0.900				
466	1.350	1.350	1.350	1.500		1.050	0.900				
467	1.000	1.000	1.350	1.500	1.050	1.050	0.900				
468	1.350	1.350	1.350	1.500	1.050	1.050	0.900				
469	1.000	1.000	1.350					1.500			
470	1.350	1.350	1.350					1.500			
471	1.000	1.000	1.350	1.050				1.500			
472	1.350	1.350	1.350	1.050				1.500			
473	1.000	1.000	1.350		1.050			1.500			
474	1.350	1.350	1.350		1.050			1.500			
475	1.000	1.000	1.350	1.050	1.050			1.500			
476	1.350	1.350	1.350	1.050	1.050			1.500			
477	1.000	1.000	1.350			1.050		1.500			
478	1.350	1.350	1.350			1.050		1.500			
479	1.000	1.000	1.350	1.050		1.050		1.500			
480	1.350	1.350	1.350	1.050		1.050		1.500			
481	1.000	1.000	1.350		1.050	1.050		1.500			
482	1.350	1.350	1.350		1.050	1.050		1.500			
483	1.000	1.000	1.350	1.050	1.050	1.050		1.500			
484	1.350	1.350	1.350	1.050	1.050	1.050		1.500			
485	1.000	1.000	1.350	1.500				0.900			
486	1.350	1.350	1.350	1.500				0.900			
487	1.000	1.000	1.350		1.500			0.900			
488	1.350	1.350	1.350		1.500			0.900			
489	1.000	1.000	1.350	1.050	1.500			0.900			
490	1.350	1.350	1.350	1.050	1.500			0.900			
491	1.000	1.000	1.350	1.500	1.050			0.900			
492	1.350	1.350	1.350	1.500	1.050			0.900			
493	1.000	1.000	1.350			1.500		0.900			
494	1.350	1.350	1.350			1.500		0.900			
495	1.000	1.000	1.350	1.050		1.500		0.900			
496	1.350	1.350	1.350	1.050		1.500		0.900			
497	1.000	1.000	1.350		1.500	1.500		0.900			
498	1.350	1.350	1.350		1.500	1.500		0.900			
499	1.000	1.000	1.350	1.050	1.500	1.500		0.900			
500	1.350	1.350	1.350	1.050	1.500	1.500		0.900			
501	1.000	1.000	1.350	1.500		1.050		0.900			
502	1.350	1.350	1.350	1.500		1.050		0.900			
503	1.000	1.000	1.350	1.500	1.050	1.050		0.900			

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
504	1.350	1.350	1.350	1.500	1.050	1.050		0.900			
505	1.000	1.000	1.350						1.500		
506	1.350	1.350	1.350						1.500		
507	1.000	1.000	1.350	1.050					1.500		
508	1.350	1.350	1.350	1.050					1.500		
509	1.000	1.000	1.350		1.050				1.500		
510	1.350	1.350	1.350		1.050				1.500		
511	1.000	1.000	1.350	1.050	1.050				1.500		
512	1.350	1.350	1.350	1.050	1.050				1.500		
513	1.000	1.000	1.350			1.050			1.500		
514	1.350	1.350	1.350			1.050			1.500		
515	1.000	1.000	1.350	1.050		1.050			1.500		
516	1.350	1.350	1.350	1.050		1.050			1.500		
517	1.000	1.000	1.350		1.050	1.050			1.500		
518	1.350	1.350	1.350		1.050	1.050			1.500		
519	1.000	1.000	1.350	1.050	1.050	1.050			1.500		
520	1.350	1.350	1.350	1.050	1.050	1.050			1.500		
521	1.000	1.000	1.350	1.500					0.900		
522	1.350	1.350	1.350	1.500					0.900		
523	1.000	1.000	1.350		1.500				0.900		
524	1.350	1.350	1.350		1.500				0.900		
525	1.000	1.000	1.350	1.050	1.500				0.900		
526	1.350	1.350	1.350	1.050	1.500				0.900		
527	1.000	1.000	1.350	1.500	1.050				0.900		
528	1.350	1.350	1.350	1.500	1.050				0.900		
529	1.000	1.000	1.350			1.500			0.900		
530	1.350	1.350	1.350			1.500			0.900		
531	1.000	1.000	1.350	1.050		1.500			0.900		
532	1.350	1.350	1.350	1.050		1.500			0.900		
533	1.000	1.000	1.350		1.500	1.500			0.900		
534	1.350	1.350	1.350		1.500	1.500			0.900		
535	1.000	1.000	1.350	1.050	1.500	1.500			0.900		
536	1.350	1.350	1.350	1.050	1.500	1.500			0.900		
537	1.000	1.000	1.350	1.500		1.050			0.900		
538	1.350	1.350	1.350	1.500		1.050			0.900		
539	1.000	1.000	1.350	1.500	1.050	1.050			0.900		
540	1.350	1.350	1.350	1.500	1.050	1.050			0.900		
541	1.000	1.000	1.350							1.500	
542	1.350	1.350	1.350							1.500	
543	1.000	1.000	1.350	1.050						1.500	
544	1.350	1.350	1.350	1.050						1.500	
545	1.000	1.000	1.350		1.050					1.500	
546	1.350	1.350	1.350		1.050					1.500	
547	1.000	1.000	1.350	1.050	1.050					1.500	
548	1.350	1.350	1.350	1.050	1.050					1.500	
549	1.000	1.000	1.350			1.050				1.500	

## Listado de datos de la obra

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
550	1.350	1.350	1.350			1.050				1.500	
551	1.000	1.000	1.350	1.050		1.050				1.500	
552	1.350	1.350	1.350	1.050		1.050				1.500	
553	1.000	1.000	1.350		1.050	1.050				1.500	
554	1.350	1.350	1.350		1.050	1.050				1.500	
555	1.000	1.000	1.350	1.050	1.050	1.050				1.500	
556	1.350	1.350	1.350	1.050	1.050	1.050				1.500	
557	1.000	1.000	1.350	1.500						0.900	
558	1.350	1.350	1.350	1.500						0.900	
559	1.000	1.000	1.350		1.500					0.900	
560	1.350	1.350	1.350		1.500					0.900	
561	1.000	1.000	1.350	1.050	1.500					0.900	
562	1.350	1.350	1.350	1.050	1.500					0.900	
563	1.000	1.000	1.350	1.500	1.050					0.900	
564	1.350	1.350	1.350	1.500	1.050					0.900	
565	1.000	1.000	1.350			1.500				0.900	
566	1.350	1.350	1.350			1.500				0.900	
567	1.000	1.000	1.350	1.050		1.500				0.900	
568	1.350	1.350	1.350	1.050		1.500				0.900	
569	1.000	1.000	1.350		1.500	1.500				0.900	
570	1.350	1.350	1.350		1.500	1.500				0.900	
571	1.000	1.000	1.350	1.050	1.500	1.500				0.900	
572	1.350	1.350	1.350	1.050	1.500	1.500				0.900	
573	1.000	1.000	1.350	1.500		1.050				0.900	
574	1.350	1.350	1.350	1.500		1.050				0.900	
575	1.000	1.000	1.350	1.500	1.050	1.050				0.900	
576	1.350	1.350	1.350	1.500	1.050	1.050				0.900	
577	1.000	1.000	1.350								1.500
578	1.350	1.350	1.350								1.500
579	1.000	1.000	1.350	1.050							1.500
580	1.350	1.350	1.350	1.050							1.500
581	1.000	1.000	1.350		1.050						1.500
582	1.350	1.350	1.350		1.050						1.500
583	1.000	1.000	1.350	1.050	1.050						1.500
584	1.350	1.350	1.350	1.050	1.050						1.500
585	1.000	1.000	1.350			1.050					1.500
586	1.350	1.350	1.350			1.050					1.500
587	1.000	1.000	1.350	1.050		1.050					1.500
588	1.350	1.350	1.350	1.050		1.050					1.500
589	1.000	1.000	1.350		1.050	1.050					1.500
590	1.350	1.350	1.350		1.050	1.050					1.500
591	1.000	1.000	1.350	1.050	1.050	1.050					1.500
592	1.350	1.350	1.350	1.050	1.050	1.050					1.500
593	1.000	1.000	1.350				0.900				1.500
594	1.350	1.350	1.350				0.900				1.500
595	1.000	1.000	1.350	1.050			0.900				1.500

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
596	1.350	1.350	1.350	1.050			0.900				1.500
597	1.000	1.000	1.350		1.050		0.900				1.500
598	1.350	1.350	1.350		1.050		0.900				1.500
599	1.000	1.000	1.350	1.050	1.050		0.900				1.500
600	1.350	1.350	1.350	1.050	1.050		0.900				1.500
601	1.000	1.000	1.350			1.050	0.900				1.500
602	1.350	1.350	1.350			1.050	0.900				1.500
603	1.000	1.000	1.350	1.050		1.050	0.900				1.500
604	1.350	1.350	1.350	1.050		1.050	0.900				1.500
605	1.000	1.000	1.350		1.050	1.050	0.900				1.500
606	1.350	1.350	1.350		1.050	1.050	0.900				1.500
607	1.000	1.000	1.350	1.050	1.050	1.050	0.900				1.500
608	1.350	1.350	1.350	1.050	1.050	1.050	0.900				1.500
609	1.000	1.000	1.350					0.900			1.500
610	1.350	1.350	1.350					0.900			1.500
611	1.000	1.000	1.350	1.050				0.900			1.500
612	1.350	1.350	1.350	1.050				0.900			1.500
613	1.000	1.000	1.350		1.050			0.900			1.500
614	1.350	1.350	1.350		1.050			0.900			1.500
615	1.000	1.000	1.350	1.050	1.050			0.900			1.500
616	1.350	1.350	1.350	1.050	1.050			0.900			1.500
617	1.000	1.000	1.350			1.050		0.900			1.500
618	1.350	1.350	1.350			1.050		0.900			1.500
619	1.000	1.000	1.350	1.050		1.050		0.900			1.500
620	1.350	1.350	1.350	1.050		1.050		0.900			1.500
621	1.000	1.000	1.350		1.050	1.050		0.900			1.500
622	1.350	1.350	1.350		1.050	1.050		0.900			1.500
623	1.000	1.000	1.350	1.050	1.050	1.050		0.900			1.500
624	1.350	1.350	1.350	1.050	1.050	1.050		0.900			1.500
625	1.000	1.000	1.350						0.900		1.500
626	1.350	1.350	1.350						0.900		1.500
627	1.000	1.000	1.350	1.050					0.900		1.500
628	1.350	1.350	1.350	1.050					0.900		1.500
629	1.000	1.000	1.350		1.050				0.900		1.500
630	1.350	1.350	1.350		1.050				0.900		1.500
631	1.000	1.000	1.350	1.050	1.050				0.900		1.500
632	1.350	1.350	1.350	1.050	1.050				0.900		1.500
633	1.000	1.000	1.350			1.050			0.900		1.500
634	1.350	1.350	1.350			1.050			0.900		1.500
635	1.000	1.000	1.350	1.050		1.050			0.900		1.500
636	1.350	1.350	1.350	1.050		1.050			0.900		1.500
637	1.000	1.000	1.350		1.050	1.050			0.900		1.500
638	1.350	1.350	1.350		1.050	1.050			0.900		1.500
639	1.000	1.000	1.350	1.050	1.050	1.050			0.900		1.500
640	1.350	1.350	1.350	1.050	1.050	1.050			0.900		1.500
641	1.000	1.000	1.350							0.900	1.500

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
642	1.350	1.350	1.350							0.900	1.500
643	1.000	1.000	1.350	1.050						0.900	1.500
644	1.350	1.350	1.350	1.050						0.900	1.500
645	1.000	1.000	1.350		1.050					0.900	1.500
646	1.350	1.350	1.350		1.050					0.900	1.500
647	1.000	1.000	1.350	1.050	1.050					0.900	1.500
648	1.350	1.350	1.350	1.050	1.050					0.900	1.500
649	1.000	1.000	1.350			1.050				0.900	1.500
650	1.350	1.350	1.350			1.050				0.900	1.500
651	1.000	1.000	1.350	1.050		1.050				0.900	1.500
652	1.350	1.350	1.350	1.050		1.050				0.900	1.500
653	1.000	1.000	1.350		1.050	1.050				0.900	1.500
654	1.350	1.350	1.350		1.050	1.050				0.900	1.500
655	1.000	1.000	1.350	1.050	1.050	1.050				0.900	1.500
656	1.350	1.350	1.350	1.050	1.050	1.050				0.900	1.500
657	1.000	1.000	1.350	1.500							0.750
658	1.350	1.350	1.350	1.500							0.750
659	1.000	1.000	1.350		1.500						0.750
660	1.350	1.350	1.350		1.500						0.750
661	1.000	1.000	1.350	1.050	1.500						0.750
662	1.350	1.350	1.350	1.050	1.500						0.750
663	1.000	1.000	1.350	1.500	1.050						0.750
664	1.350	1.350	1.350	1.500	1.050						0.750
665	1.000	1.000	1.350			1.500					0.750
666	1.350	1.350	1.350			1.500					0.750
667	1.000	1.000	1.350	1.050		1.500					0.750
668	1.350	1.350	1.350	1.050		1.500					0.750
669	1.000	1.000	1.350		1.500	1.500					0.750
670	1.350	1.350	1.350		1.500	1.500					0.750
671	1.000	1.000	1.350	1.050	1.500	1.500					0.750
672	1.350	1.350	1.350	1.050	1.500	1.500					0.750
673	1.000	1.000	1.350	1.500		1.050					0.750
674	1.350	1.350	1.350	1.500		1.050					0.750
675	1.000	1.000	1.350	1.500	1.050	1.050					0.750
676	1.350	1.350	1.350	1.500	1.050	1.050					0.750
677	1.000	1.000	1.350				1.500				0.750
678	1.350	1.350	1.350				1.500				0.750
679	1.000	1.000	1.350	1.050			1.500				0.750
680	1.350	1.350	1.350	1.050			1.500				0.750
681	1.000	1.000	1.350		1.050		1.500				0.750
682	1.350	1.350	1.350		1.050		1.500				0.750
683	1.000	1.000	1.350	1.050	1.050		1.500				0.750
684	1.350	1.350	1.350	1.050	1.050		1.500				0.750
685	1.000	1.000	1.350			1.050	1.500				0.750
686	1.350	1.350	1.350			1.050	1.500				0.750
687	1.000	1.000	1.350	1.050		1.050	1.500				0.750

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
688	1.350	1.350	1.350	1.050		1.050	1.500				0.750
689	1.000	1.000	1.350		1.050	1.050	1.500				0.750
690	1.350	1.350	1.350		1.050	1.050	1.500				0.750
691	1.000	1.000	1.350	1.050	1.050	1.050	1.500				0.750
692	1.350	1.350	1.350	1.050	1.050	1.050	1.500				0.750
693	1.000	1.000	1.350	1.500			0.900				0.750
694	1.350	1.350	1.350	1.500			0.900				0.750
695	1.000	1.000	1.350		1.500		0.900				0.750
696	1.350	1.350	1.350		1.500		0.900				0.750
697	1.000	1.000	1.350	1.050	1.500		0.900				0.750
698	1.350	1.350	1.350	1.050	1.500		0.900				0.750
699	1.000	1.000	1.350	1.500	1.050		0.900				0.750
700	1.350	1.350	1.350	1.500	1.050		0.900				0.750
701	1.000	1.000	1.350			1.500	0.900				0.750
702	1.350	1.350	1.350			1.500	0.900				0.750
703	1.000	1.000	1.350	1.050		1.500	0.900				0.750
704	1.350	1.350	1.350	1.050		1.500	0.900				0.750
705	1.000	1.000	1.350		1.500	1.500	0.900				0.750
706	1.350	1.350	1.350		1.500	1.500	0.900				0.750
707	1.000	1.000	1.350	1.050	1.500	1.500	0.900				0.750
708	1.350	1.350	1.350	1.050	1.500	1.500	0.900				0.750
709	1.000	1.000	1.350	1.500		1.050	0.900				0.750
710	1.350	1.350	1.350	1.500		1.050	0.900				0.750
711	1.000	1.000	1.350	1.500	1.050	1.050	0.900				0.750
712	1.350	1.350	1.350	1.500	1.050	1.050	0.900				0.750
713	1.000	1.000	1.350					1.500			0.750
714	1.350	1.350	1.350					1.500			0.750
715	1.000	1.000	1.350	1.050				1.500			0.750
716	1.350	1.350	1.350	1.050				1.500			0.750
717	1.000	1.000	1.350		1.050			1.500			0.750
718	1.350	1.350	1.350		1.050			1.500			0.750
719	1.000	1.000	1.350	1.050	1.050			1.500			0.750
720	1.350	1.350	1.350	1.050	1.050			1.500			0.750
721	1.000	1.000	1.350			1.050		1.500			0.750
722	1.350	1.350	1.350			1.050		1.500			0.750
723	1.000	1.000	1.350	1.050		1.050		1.500			0.750
724	1.350	1.350	1.350	1.050		1.050		1.500			0.750
725	1.000	1.000	1.350		1.050	1.050		1.500			0.750
726	1.350	1.350	1.350		1.050	1.050		1.500			0.750
727	1.000	1.000	1.350	1.050	1.050	1.050		1.500			0.750
728	1.350	1.350	1.350	1.050	1.050	1.050		1.500			0.750
729	1.000	1.000	1.350	1.500				0.900			0.750
730	1.350	1.350	1.350	1.500				0.900			0.750
731	1.000	1.000	1.350		1.500			0.900			0.750
732	1.350	1.350	1.350		1.500			0.900			0.750
733	1.000	1.000	1.350	1.050	1.500			0.900			0.750

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
734	1.350	1.350	1.350	1.050	1.500			0.900			0.750
735	1.000	1.000	1.350	1.500	1.050			0.900			0.750
736	1.350	1.350	1.350	1.500	1.050			0.900			0.750
737	1.000	1.000	1.350			1.500		0.900			0.750
738	1.350	1.350	1.350			1.500		0.900			0.750
739	1.000	1.000	1.350	1.050		1.500		0.900			0.750
740	1.350	1.350	1.350	1.050		1.500		0.900			0.750
741	1.000	1.000	1.350		1.500	1.500		0.900			0.750
742	1.350	1.350	1.350		1.500	1.500		0.900			0.750
743	1.000	1.000	1.350	1.050	1.500	1.500		0.900			0.750
744	1.350	1.350	1.350	1.050	1.500	1.500		0.900			0.750
745	1.000	1.000	1.350	1.500		1.050		0.900			0.750
746	1.350	1.350	1.350	1.500		1.050		0.900			0.750
747	1.000	1.000	1.350	1.500	1.050	1.050		0.900			0.750
748	1.350	1.350	1.350	1.500	1.050	1.050		0.900			0.750
749	1.000	1.000	1.350						1.500		0.750
750	1.350	1.350	1.350						1.500		0.750
751	1.000	1.000	1.350	1.050					1.500		0.750
752	1.350	1.350	1.350	1.050					1.500		0.750
753	1.000	1.000	1.350		1.050				1.500		0.750
754	1.350	1.350	1.350		1.050				1.500		0.750
755	1.000	1.000	1.350	1.050	1.050				1.500		0.750
756	1.350	1.350	1.350	1.050	1.050				1.500		0.750
757	1.000	1.000	1.350			1.050			1.500		0.750
758	1.350	1.350	1.350			1.050			1.500		0.750
759	1.000	1.000	1.350	1.050		1.050			1.500		0.750
760	1.350	1.350	1.350	1.050		1.050			1.500		0.750
761	1.000	1.000	1.350		1.050	1.050			1.500		0.750
762	1.350	1.350	1.350		1.050	1.050			1.500		0.750
763	1.000	1.000	1.350	1.050	1.050	1.050			1.500		0.750
764	1.350	1.350	1.350	1.050	1.050	1.050			1.500		0.750
765	1.000	1.000	1.350	1.500					0.900		0.750
766	1.350	1.350	1.350	1.500					0.900		0.750
767	1.000	1.000	1.350		1.500				0.900		0.750
768	1.350	1.350	1.350		1.500				0.900		0.750
769	1.000	1.000	1.350	1.050	1.500				0.900		0.750
770	1.350	1.350	1.350	1.050	1.500				0.900		0.750
771	1.000	1.000	1.350	1.500	1.050				0.900		0.750
772	1.350	1.350	1.350	1.500	1.050				0.900		0.750
773	1.000	1.000	1.350			1.500			0.900		0.750
774	1.350	1.350	1.350			1.500			0.900		0.750
775	1.000	1.000	1.350	1.050		1.500			0.900		0.750
776	1.350	1.350	1.350	1.050		1.500			0.900		0.750
777	1.000	1.000	1.350		1.500	1.500			0.900		0.750
778	1.350	1.350	1.350		1.500	1.500			0.900		0.750
779	1.000	1.000	1.350	1.050	1.500	1.500			0.900		0.750

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
780	1.350	1.350	1.350	1.050	1.500	1.500			0.900		0.750
781	1.000	1.000	1.350	1.500		1.050			0.900		0.750
782	1.350	1.350	1.350	1.500		1.050			0.900		0.750
783	1.000	1.000	1.350	1.500	1.050	1.050			0.900		0.750
784	1.350	1.350	1.350	1.500	1.050	1.050			0.900		0.750
785	1.000	1.000	1.350							1.500	0.750
786	1.350	1.350	1.350							1.500	0.750
787	1.000	1.000	1.350	1.050						1.500	0.750
788	1.350	1.350	1.350	1.050						1.500	0.750
789	1.000	1.000	1.350		1.050					1.500	0.750
790	1.350	1.350	1.350		1.050					1.500	0.750
791	1.000	1.000	1.350	1.050	1.050					1.500	0.750
792	1.350	1.350	1.350	1.050	1.050					1.500	0.750
793	1.000	1.000	1.350			1.050				1.500	0.750
794	1.350	1.350	1.350			1.050				1.500	0.750
795	1.000	1.000	1.350	1.050		1.050				1.500	0.750
796	1.350	1.350	1.350	1.050		1.050				1.500	0.750
797	1.000	1.000	1.350		1.050	1.050				1.500	0.750
798	1.350	1.350	1.350		1.050	1.050				1.500	0.750
799	1.000	1.000	1.350	1.050	1.050	1.050				1.500	0.750
800	1.350	1.350	1.350	1.050	1.050	1.050				1.500	0.750
801	1.000	1.000	1.350	1.500						0.900	0.750
802	1.350	1.350	1.350	1.500						0.900	0.750
803	1.000	1.000	1.350		1.500					0.900	0.750
804	1.350	1.350	1.350		1.500					0.900	0.750
805	1.000	1.000	1.350	1.050	1.500					0.900	0.750
806	1.350	1.350	1.350	1.050	1.500					0.900	0.750
807	1.000	1.000	1.350	1.500	1.050					0.900	0.750
808	1.350	1.350	1.350	1.500	1.050					0.900	0.750
809	1.000	1.000	1.350			1.500				0.900	0.750
810	1.350	1.350	1.350			1.500				0.900	0.750
811	1.000	1.000	1.350	1.050		1.500				0.900	0.750
812	1.350	1.350	1.350	1.050		1.500				0.900	0.750
813	1.000	1.000	1.350		1.500	1.500				0.900	0.750
814	1.350	1.350	1.350		1.500	1.500				0.900	0.750
815	1.000	1.000	1.350	1.050	1.500	1.500				0.900	0.750
816	1.350	1.350	1.350	1.050	1.500	1.500				0.900	0.750
817	1.000	1.000	1.350	1.500		1.050				0.900	0.750
818	1.350	1.350	1.350	1.500		1.050				0.900	0.750
819	1.000	1.000	1.350	1.500	1.050	1.050				0.900	0.750
820	1.350	1.350	1.350	1.500	1.050	1.050				0.900	0.750

■ **E.L.U. de rotura. Hormigón en cimentaciones**

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
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## Listado de datos de la obra

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
1	1.000	1.000	1.000								
2	1.600	1.600	1.000								
3	1.000	1.000	1.000	1.600							
4	1.600	1.600	1.000	1.600							
5	1.000	1.000	1.000		1.600						
6	1.600	1.600	1.000		1.600						
7	1.000	1.000	1.000	1.120	1.600						
8	1.600	1.600	1.000	1.120	1.600						
9	1.000	1.000	1.000	1.600	1.120						
10	1.600	1.600	1.000	1.600	1.120						
11	1.000	1.000	1.000			1.600					
12	1.600	1.600	1.000			1.600					
13	1.000	1.000	1.000	1.120		1.600					
14	1.600	1.600	1.000	1.120		1.600					
15	1.000	1.000	1.000		1.600	1.600					
16	1.600	1.600	1.000		1.600	1.600					
17	1.000	1.000	1.000	1.120	1.600	1.600					
18	1.600	1.600	1.000	1.120	1.600	1.600					
19	1.000	1.000	1.000	1.600		1.120					
20	1.600	1.600	1.000	1.600		1.120					
21	1.000	1.000	1.000	1.600	1.120	1.120					
22	1.600	1.600	1.000	1.600	1.120	1.120					
23	1.000	1.000	1.000				1.600				
24	1.600	1.600	1.000				1.600				
25	1.000	1.000	1.000	1.120			1.600				
26	1.600	1.600	1.000	1.120			1.600				
27	1.000	1.000	1.000		1.120		1.600				
28	1.600	1.600	1.000		1.120		1.600				
29	1.000	1.000	1.000	1.120	1.120		1.600				
30	1.600	1.600	1.000	1.120	1.120		1.600				
31	1.000	1.000	1.000			1.120	1.600				
32	1.600	1.600	1.000			1.120	1.600				
33	1.000	1.000	1.000	1.120		1.120	1.600				
34	1.600	1.600	1.000	1.120		1.120	1.600				
35	1.000	1.000	1.000		1.120	1.120	1.600				
36	1.600	1.600	1.000		1.120	1.120	1.600				
37	1.000	1.000	1.000	1.120	1.120	1.120	1.600				
38	1.600	1.600	1.000	1.120	1.120	1.120	1.600				
39	1.000	1.000	1.000	1.600			0.960				
40	1.600	1.600	1.000	1.600			0.960				
41	1.000	1.000	1.000		1.600		0.960				
42	1.600	1.600	1.000		1.600		0.960				
43	1.000	1.000	1.000	1.120	1.600		0.960				
44	1.600	1.600	1.000	1.120	1.600		0.960				
45	1.000	1.000	1.000	1.600	1.120		0.960				
46	1.600	1.600	1.000	1.600	1.120		0.960				

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
47	1.000	1.000	1.000			1.600	0.960				
48	1.600	1.600	1.000			1.600	0.960				
49	1.000	1.000	1.000	1.120		1.600	0.960				
50	1.600	1.600	1.000	1.120		1.600	0.960				
51	1.000	1.000	1.000		1.600	1.600	0.960				
52	1.600	1.600	1.000		1.600	1.600	0.960				
53	1.000	1.000	1.000	1.120	1.600	1.600	0.960				
54	1.600	1.600	1.000	1.120	1.600	1.600	0.960				
55	1.000	1.000	1.000	1.600		1.120	0.960				
56	1.600	1.600	1.000	1.600		1.120	0.960				
57	1.000	1.000	1.000	1.600	1.120	1.120	0.960				
58	1.600	1.600	1.000	1.600	1.120	1.120	0.960				
59	1.000	1.000	1.000					1.600			
60	1.600	1.600	1.000					1.600			
61	1.000	1.000	1.000	1.120				1.600			
62	1.600	1.600	1.000	1.120				1.600			
63	1.000	1.000	1.000		1.120			1.600			
64	1.600	1.600	1.000		1.120			1.600			
65	1.000	1.000	1.000	1.120	1.120			1.600			
66	1.600	1.600	1.000	1.120	1.120			1.600			
67	1.000	1.000	1.000			1.120		1.600			
68	1.600	1.600	1.000			1.120		1.600			
69	1.000	1.000	1.000	1.120		1.120		1.600			
70	1.600	1.600	1.000	1.120		1.120		1.600			
71	1.000	1.000	1.000		1.120	1.120		1.600			
72	1.600	1.600	1.000		1.120	1.120		1.600			
73	1.000	1.000	1.000	1.120	1.120	1.120		1.600			
74	1.600	1.600	1.000	1.120	1.120	1.120		1.600			
75	1.000	1.000	1.000	1.600				0.960			
76	1.600	1.600	1.000	1.600				0.960			
77	1.000	1.000	1.000		1.600			0.960			
78	1.600	1.600	1.000		1.600			0.960			
79	1.000	1.000	1.000	1.120	1.600			0.960			
80	1.600	1.600	1.000	1.120	1.600			0.960			
81	1.000	1.000	1.000	1.600	1.120			0.960			
82	1.600	1.600	1.000	1.600	1.120			0.960			
83	1.000	1.000	1.000			1.600		0.960			
84	1.600	1.600	1.000			1.600		0.960			
85	1.000	1.000	1.000	1.120		1.600		0.960			
86	1.600	1.600	1.000	1.120		1.600		0.960			
87	1.000	1.000	1.000		1.600	1.600		0.960			
88	1.600	1.600	1.000		1.600	1.600		0.960			
89	1.000	1.000	1.000	1.120	1.600	1.600		0.960			
90	1.600	1.600	1.000	1.120	1.600	1.600		0.960			
91	1.000	1.000	1.000	1.600		1.120		0.960			
92	1.600	1.600	1.000	1.600		1.120		0.960			

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
93	1.000	1.000	1.000	1.600	1.120	1.120		0.960			
94	1.600	1.600	1.000	1.600	1.120	1.120		0.960			
95	1.000	1.000	1.000						1.600		
96	1.600	1.600	1.000						1.600		
97	1.000	1.000	1.000	1.120					1.600		
98	1.600	1.600	1.000	1.120					1.600		
99	1.000	1.000	1.000		1.120				1.600		
100	1.600	1.600	1.000		1.120				1.600		
101	1.000	1.000	1.000	1.120	1.120				1.600		
102	1.600	1.600	1.000	1.120	1.120				1.600		
103	1.000	1.000	1.000			1.120			1.600		
104	1.600	1.600	1.000			1.120			1.600		
105	1.000	1.000	1.000	1.120		1.120			1.600		
106	1.600	1.600	1.000	1.120		1.120			1.600		
107	1.000	1.000	1.000		1.120	1.120			1.600		
108	1.600	1.600	1.000		1.120	1.120			1.600		
109	1.000	1.000	1.000	1.120	1.120	1.120			1.600		
110	1.600	1.600	1.000	1.120	1.120	1.120			1.600		
111	1.000	1.000	1.000	1.600					0.960		
112	1.600	1.600	1.000	1.600					0.960		
113	1.000	1.000	1.000		1.600				0.960		
114	1.600	1.600	1.000		1.600				0.960		
115	1.000	1.000	1.000	1.120	1.600				0.960		
116	1.600	1.600	1.000	1.120	1.600				0.960		
117	1.000	1.000	1.000	1.600	1.120				0.960		
118	1.600	1.600	1.000	1.600	1.120				0.960		
119	1.000	1.000	1.000			1.600			0.960		
120	1.600	1.600	1.000			1.600			0.960		
121	1.000	1.000	1.000	1.120		1.600			0.960		
122	1.600	1.600	1.000	1.120		1.600			0.960		
123	1.000	1.000	1.000		1.600	1.600			0.960		
124	1.600	1.600	1.000		1.600	1.600			0.960		
125	1.000	1.000	1.000	1.120	1.600	1.600			0.960		
126	1.600	1.600	1.000	1.120	1.600	1.600			0.960		
127	1.000	1.000	1.000	1.600		1.120			0.960		
128	1.600	1.600	1.000	1.600		1.120			0.960		
129	1.000	1.000	1.000	1.600	1.120	1.120			0.960		
130	1.600	1.600	1.000	1.600	1.120	1.120			0.960		
131	1.000	1.000	1.000							1.600	
132	1.600	1.600	1.000							1.600	
133	1.000	1.000	1.000	1.120						1.600	
134	1.600	1.600	1.000	1.120						1.600	
135	1.000	1.000	1.000		1.120					1.600	
136	1.600	1.600	1.000		1.120					1.600	
137	1.000	1.000	1.000	1.120	1.120					1.600	
138	1.600	1.600	1.000	1.120	1.120					1.600	

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
139	1.000	1.000	1.000			1.120				1.600	
140	1.600	1.600	1.000			1.120				1.600	
141	1.000	1.000	1.000	1.120		1.120				1.600	
142	1.600	1.600	1.000	1.120		1.120				1.600	
143	1.000	1.000	1.000		1.120	1.120				1.600	
144	1.600	1.600	1.000		1.120	1.120				1.600	
145	1.000	1.000	1.000	1.120	1.120	1.120				1.600	
146	1.600	1.600	1.000	1.120	1.120	1.120				1.600	
147	1.000	1.000	1.000	1.600						0.960	
148	1.600	1.600	1.000	1.600						0.960	
149	1.000	1.000	1.000		1.600					0.960	
150	1.600	1.600	1.000		1.600					0.960	
151	1.000	1.000	1.000	1.120	1.600					0.960	
152	1.600	1.600	1.000	1.120	1.600					0.960	
153	1.000	1.000	1.000	1.600	1.120					0.960	
154	1.600	1.600	1.000	1.600	1.120					0.960	
155	1.000	1.000	1.000			1.600				0.960	
156	1.600	1.600	1.000			1.600				0.960	
157	1.000	1.000	1.000	1.120		1.600				0.960	
158	1.600	1.600	1.000	1.120		1.600				0.960	
159	1.000	1.000	1.000		1.600	1.600				0.960	
160	1.600	1.600	1.000		1.600	1.600				0.960	
161	1.000	1.000	1.000	1.120	1.600	1.600				0.960	
162	1.600	1.600	1.000	1.120	1.600	1.600				0.960	
163	1.000	1.000	1.000	1.600		1.120				0.960	
164	1.600	1.600	1.000	1.600		1.120				0.960	
165	1.000	1.000	1.000	1.600	1.120	1.120				0.960	
166	1.600	1.600	1.000	1.600	1.120	1.120				0.960	
167	1.000	1.000	1.000								1.600
168	1.600	1.600	1.000								1.600
169	1.000	1.000	1.000	1.120							1.600
170	1.600	1.600	1.000	1.120							1.600
171	1.000	1.000	1.000		1.120						1.600
172	1.600	1.600	1.000		1.120						1.600
173	1.000	1.000	1.000	1.120	1.120						1.600
174	1.600	1.600	1.000	1.120	1.120						1.600
175	1.000	1.000	1.000			1.120					1.600
176	1.600	1.600	1.000			1.120					1.600
177	1.000	1.000	1.000	1.120		1.120					1.600
178	1.600	1.600	1.000	1.120		1.120					1.600
179	1.000	1.000	1.000		1.120	1.120					1.600
180	1.600	1.600	1.000		1.120	1.120					1.600
181	1.000	1.000	1.000	1.120	1.120	1.120					1.600
182	1.600	1.600	1.000	1.120	1.120	1.120					1.600
183	1.000	1.000	1.000				0.960				1.600
184	1.600	1.600	1.000				0.960				1.600

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
185	1.000	1.000	1.000	1.120			0.960				1.600
186	1.600	1.600	1.000	1.120			0.960				1.600
187	1.000	1.000	1.000		1.120		0.960				1.600
188	1.600	1.600	1.000		1.120		0.960				1.600
189	1.000	1.000	1.000	1.120	1.120		0.960				1.600
190	1.600	1.600	1.000	1.120	1.120		0.960				1.600
191	1.000	1.000	1.000			1.120	0.960				1.600
192	1.600	1.600	1.000			1.120	0.960				1.600
193	1.000	1.000	1.000	1.120		1.120	0.960				1.600
194	1.600	1.600	1.000	1.120		1.120	0.960				1.600
195	1.000	1.000	1.000		1.120	1.120	0.960				1.600
196	1.600	1.600	1.000		1.120	1.120	0.960				1.600
197	1.000	1.000	1.000	1.120	1.120	1.120	0.960				1.600
198	1.600	1.600	1.000	1.120	1.120	1.120	0.960				1.600
199	1.000	1.000	1.000					0.960			1.600
200	1.600	1.600	1.000					0.960			1.600
201	1.000	1.000	1.000	1.120				0.960			1.600
202	1.600	1.600	1.000	1.120				0.960			1.600
203	1.000	1.000	1.000		1.120			0.960			1.600
204	1.600	1.600	1.000		1.120			0.960			1.600
205	1.000	1.000	1.000	1.120	1.120			0.960			1.600
206	1.600	1.600	1.000	1.120	1.120			0.960			1.600
207	1.000	1.000	1.000			1.120		0.960			1.600
208	1.600	1.600	1.000			1.120		0.960			1.600
209	1.000	1.000	1.000	1.120		1.120		0.960			1.600
210	1.600	1.600	1.000	1.120		1.120		0.960			1.600
211	1.000	1.000	1.000		1.120	1.120		0.960			1.600
212	1.600	1.600	1.000		1.120	1.120		0.960			1.600
213	1.000	1.000	1.000	1.120	1.120	1.120		0.960			1.600
214	1.600	1.600	1.000	1.120	1.120	1.120		0.960			1.600
215	1.000	1.000	1.000						0.960		1.600
216	1.600	1.600	1.000						0.960		1.600
217	1.000	1.000	1.000	1.120					0.960		1.600
218	1.600	1.600	1.000	1.120					0.960		1.600
219	1.000	1.000	1.000		1.120				0.960		1.600
220	1.600	1.600	1.000		1.120				0.960		1.600
221	1.000	1.000	1.000	1.120	1.120				0.960		1.600
222	1.600	1.600	1.000	1.120	1.120				0.960		1.600
223	1.000	1.000	1.000			1.120			0.960		1.600
224	1.600	1.600	1.000			1.120			0.960		1.600
225	1.000	1.000	1.000	1.120		1.120			0.960		1.600
226	1.600	1.600	1.000	1.120		1.120			0.960		1.600
227	1.000	1.000	1.000		1.120	1.120			0.960		1.600
228	1.600	1.600	1.000		1.120	1.120			0.960		1.600
229	1.000	1.000	1.000	1.120	1.120	1.120			0.960		1.600
230	1.600	1.600	1.000	1.120	1.120	1.120			0.960		1.600

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
231	1.000	1.000	1.000							0.960	1.600
232	1.600	1.600	1.000							0.960	1.600
233	1.000	1.000	1.000	1.120						0.960	1.600
234	1.600	1.600	1.000	1.120						0.960	1.600
235	1.000	1.000	1.000		1.120					0.960	1.600
236	1.600	1.600	1.000		1.120					0.960	1.600
237	1.000	1.000	1.000	1.120	1.120					0.960	1.600
238	1.600	1.600	1.000	1.120	1.120					0.960	1.600
239	1.000	1.000	1.000			1.120				0.960	1.600
240	1.600	1.600	1.000			1.120				0.960	1.600
241	1.000	1.000	1.000	1.120		1.120				0.960	1.600
242	1.600	1.600	1.000	1.120		1.120				0.960	1.600
243	1.000	1.000	1.000		1.120	1.120				0.960	1.600
244	1.600	1.600	1.000		1.120	1.120				0.960	1.600
245	1.000	1.000	1.000	1.120	1.120	1.120				0.960	1.600
246	1.600	1.600	1.000	1.120	1.120	1.120				0.960	1.600
247	1.000	1.000	1.000	1.600							0.800
248	1.600	1.600	1.000	1.600							0.800
249	1.000	1.000	1.000		1.600						0.800
250	1.600	1.600	1.000		1.600						0.800
251	1.000	1.000	1.000	1.120	1.600						0.800
252	1.600	1.600	1.000	1.120	1.600						0.800
253	1.000	1.000	1.000	1.600	1.120						0.800
254	1.600	1.600	1.000	1.600	1.120						0.800
255	1.000	1.000	1.000			1.600					0.800
256	1.600	1.600	1.000			1.600					0.800
257	1.000	1.000	1.000	1.120		1.600					0.800
258	1.600	1.600	1.000	1.120		1.600					0.800
259	1.000	1.000	1.000		1.600	1.600					0.800
260	1.600	1.600	1.000		1.600	1.600					0.800
261	1.000	1.000	1.000	1.120	1.600	1.600					0.800
262	1.600	1.600	1.000	1.120	1.600	1.600					0.800
263	1.000	1.000	1.000	1.600		1.120					0.800
264	1.600	1.600	1.000	1.600		1.120					0.800
265	1.000	1.000	1.000	1.600	1.120	1.120					0.800
266	1.600	1.600	1.000	1.600	1.120	1.120					0.800
267	1.000	1.000	1.000				1.600				0.800
268	1.600	1.600	1.000				1.600				0.800
269	1.000	1.000	1.000	1.120			1.600				0.800
270	1.600	1.600	1.000	1.120			1.600				0.800
271	1.000	1.000	1.000		1.120		1.600				0.800
272	1.600	1.600	1.000		1.120		1.600				0.800
273	1.000	1.000	1.000	1.120	1.120		1.600				0.800
274	1.600	1.600	1.000	1.120	1.120		1.600				0.800
275	1.000	1.000	1.000			1.120	1.600				0.800
276	1.600	1.600	1.000			1.120	1.600				0.800

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
277	1.000	1.000	1.000	1.120		1.120	1.600				0.800
278	1.600	1.600	1.000	1.120		1.120	1.600				0.800
279	1.000	1.000	1.000		1.120	1.120	1.600				0.800
280	1.600	1.600	1.000		1.120	1.120	1.600				0.800
281	1.000	1.000	1.000	1.120	1.120	1.120	1.600				0.800
282	1.600	1.600	1.000	1.120	1.120	1.120	1.600				0.800
283	1.000	1.000	1.000	1.600			0.960				0.800
284	1.600	1.600	1.000	1.600			0.960				0.800
285	1.000	1.000	1.000		1.600		0.960				0.800
286	1.600	1.600	1.000		1.600		0.960				0.800
287	1.000	1.000	1.000	1.120	1.600		0.960				0.800
288	1.600	1.600	1.000	1.120	1.600		0.960				0.800
289	1.000	1.000	1.000	1.600	1.120		0.960				0.800
290	1.600	1.600	1.000	1.600	1.120		0.960				0.800
291	1.000	1.000	1.000			1.600	0.960				0.800
292	1.600	1.600	1.000			1.600	0.960				0.800
293	1.000	1.000	1.000	1.120		1.600	0.960				0.800
294	1.600	1.600	1.000	1.120		1.600	0.960				0.800
295	1.000	1.000	1.000		1.600	1.600	0.960				0.800
296	1.600	1.600	1.000		1.600	1.600	0.960				0.800
297	1.000	1.000	1.000	1.120	1.600	1.600	0.960				0.800
298	1.600	1.600	1.000	1.120	1.600	1.600	0.960				0.800
299	1.000	1.000	1.000	1.600		1.120	0.960				0.800
300	1.600	1.600	1.000	1.600		1.120	0.960				0.800
301	1.000	1.000	1.000	1.600	1.120	1.120	0.960				0.800
302	1.600	1.600	1.000	1.600	1.120	1.120	0.960				0.800
303	1.000	1.000	1.000					1.600			0.800
304	1.600	1.600	1.000					1.600			0.800
305	1.000	1.000	1.000	1.120				1.600			0.800
306	1.600	1.600	1.000	1.120				1.600			0.800
307	1.000	1.000	1.000		1.120			1.600			0.800
308	1.600	1.600	1.000		1.120			1.600			0.800
309	1.000	1.000	1.000	1.120	1.120			1.600			0.800
310	1.600	1.600	1.000	1.120	1.120			1.600			0.800
311	1.000	1.000	1.000			1.120		1.600			0.800
312	1.600	1.600	1.000			1.120		1.600			0.800
313	1.000	1.000	1.000	1.120		1.120		1.600			0.800
314	1.600	1.600	1.000	1.120		1.120		1.600			0.800
315	1.000	1.000	1.000		1.120	1.120		1.600			0.800
316	1.600	1.600	1.000		1.120	1.120		1.600			0.800
317	1.000	1.000	1.000	1.120	1.120	1.120		1.600			0.800
318	1.600	1.600	1.000	1.120	1.120	1.120		1.600			0.800
319	1.000	1.000	1.000	1.600				0.960			0.800
320	1.600	1.600	1.000	1.600				0.960			0.800
321	1.000	1.000	1.000		1.600			0.960			0.800
322	1.600	1.600	1.000		1.600			0.960			0.800

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
323	1.000	1.000	1.000	1.120	1.600			0.960			0.800
324	1.600	1.600	1.000	1.120	1.600			0.960			0.800
325	1.000	1.000	1.000	1.600	1.120			0.960			0.800
326	1.600	1.600	1.000	1.600	1.120			0.960			0.800
327	1.000	1.000	1.000			1.600		0.960			0.800
328	1.600	1.600	1.000			1.600		0.960			0.800
329	1.000	1.000	1.000	1.120		1.600		0.960			0.800
330	1.600	1.600	1.000	1.120		1.600		0.960			0.800
331	1.000	1.000	1.000		1.600	1.600		0.960			0.800
332	1.600	1.600	1.000		1.600	1.600		0.960			0.800
333	1.000	1.000	1.000	1.120	1.600	1.600		0.960			0.800
334	1.600	1.600	1.000	1.120	1.600	1.600		0.960			0.800
335	1.000	1.000	1.000	1.600		1.120		0.960			0.800
336	1.600	1.600	1.000	1.600		1.120		0.960			0.800
337	1.000	1.000	1.000	1.600	1.120	1.120		0.960			0.800
338	1.600	1.600	1.000	1.600	1.120	1.120		0.960			0.800
339	1.000	1.000	1.000						1.600		0.800
340	1.600	1.600	1.000						1.600		0.800
341	1.000	1.000	1.000	1.120					1.600		0.800
342	1.600	1.600	1.000	1.120					1.600		0.800
343	1.000	1.000	1.000		1.120				1.600		0.800
344	1.600	1.600	1.000		1.120				1.600		0.800
345	1.000	1.000	1.000	1.120	1.120				1.600		0.800
346	1.600	1.600	1.000	1.120	1.120				1.600		0.800
347	1.000	1.000	1.000			1.120			1.600		0.800
348	1.600	1.600	1.000			1.120			1.600		0.800
349	1.000	1.000	1.000	1.120		1.120			1.600		0.800
350	1.600	1.600	1.000	1.120		1.120			1.600		0.800
351	1.000	1.000	1.000		1.120	1.120			1.600		0.800
352	1.600	1.600	1.000		1.120	1.120			1.600		0.800
353	1.000	1.000	1.000	1.120	1.120	1.120			1.600		0.800
354	1.600	1.600	1.000	1.120	1.120	1.120			1.600		0.800
355	1.000	1.000	1.000	1.600					0.960		0.800
356	1.600	1.600	1.000	1.600					0.960		0.800
357	1.000	1.000	1.000		1.600				0.960		0.800
358	1.600	1.600	1.000		1.600				0.960		0.800
359	1.000	1.000	1.000	1.120	1.600				0.960		0.800
360	1.600	1.600	1.000	1.120	1.600				0.960		0.800
361	1.000	1.000	1.000	1.600	1.120				0.960		0.800
362	1.600	1.600	1.000	1.600	1.120				0.960		0.800
363	1.000	1.000	1.000			1.600			0.960		0.800
364	1.600	1.600	1.000			1.600			0.960		0.800
365	1.000	1.000	1.000	1.120		1.600			0.960		0.800
366	1.600	1.600	1.000	1.120		1.600			0.960		0.800
367	1.000	1.000	1.000		1.600	1.600			0.960		0.800
368	1.600	1.600	1.000		1.600	1.600			0.960		0.800

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
369	1.000	1.000	1.000	1.120	1.600	1.600			0.960		0.800
370	1.600	1.600	1.000	1.120	1.600	1.600			0.960		0.800
371	1.000	1.000	1.000	1.600		1.120			0.960		0.800
372	1.600	1.600	1.000	1.600		1.120			0.960		0.800
373	1.000	1.000	1.000	1.600	1.120	1.120			0.960		0.800
374	1.600	1.600	1.000	1.600	1.120	1.120			0.960		0.800
375	1.000	1.000	1.000							1.600	0.800
376	1.600	1.600	1.000							1.600	0.800
377	1.000	1.000	1.000	1.120						1.600	0.800
378	1.600	1.600	1.000	1.120						1.600	0.800
379	1.000	1.000	1.000		1.120					1.600	0.800
380	1.600	1.600	1.000		1.120					1.600	0.800
381	1.000	1.000	1.000	1.120	1.120					1.600	0.800
382	1.600	1.600	1.000	1.120	1.120					1.600	0.800
383	1.000	1.000	1.000			1.120				1.600	0.800
384	1.600	1.600	1.000			1.120				1.600	0.800
385	1.000	1.000	1.000	1.120		1.120				1.600	0.800
386	1.600	1.600	1.000	1.120		1.120				1.600	0.800
387	1.000	1.000	1.000		1.120	1.120				1.600	0.800
388	1.600	1.600	1.000		1.120	1.120				1.600	0.800
389	1.000	1.000	1.000	1.120	1.120	1.120				1.600	0.800
390	1.600	1.600	1.000	1.120	1.120	1.120				1.600	0.800
391	1.000	1.000	1.000	1.600						0.960	0.800
392	1.600	1.600	1.000	1.600						0.960	0.800
393	1.000	1.000	1.000		1.600					0.960	0.800
394	1.600	1.600	1.000		1.600					0.960	0.800
395	1.000	1.000	1.000	1.120	1.600					0.960	0.800
396	1.600	1.600	1.000	1.120	1.600					0.960	0.800
397	1.000	1.000	1.000	1.600	1.120					0.960	0.800
398	1.600	1.600	1.000	1.600	1.120					0.960	0.800
399	1.000	1.000	1.000			1.600				0.960	0.800
400	1.600	1.600	1.000			1.600				0.960	0.800
401	1.000	1.000	1.000	1.120		1.600				0.960	0.800
402	1.600	1.600	1.000	1.120		1.600				0.960	0.800
403	1.000	1.000	1.000		1.600	1.600				0.960	0.800
404	1.600	1.600	1.000		1.600	1.600				0.960	0.800
405	1.000	1.000	1.000	1.120	1.600	1.600				0.960	0.800
406	1.600	1.600	1.000	1.120	1.600	1.600				0.960	0.800
407	1.000	1.000	1.000	1.600		1.120				0.960	0.800
408	1.600	1.600	1.000	1.600		1.120				0.960	0.800
409	1.000	1.000	1.000	1.600	1.120	1.120				0.960	0.800
410	1.600	1.600	1.000	1.600	1.120	1.120				0.960	0.800
411	1.000	1.000	1.600								
412	1.600	1.600	1.600								
413	1.000	1.000	1.600	1.600							
414	1.600	1.600	1.600	1.600							

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
415	1.000	1.000	1.600		1.600						
416	1.600	1.600	1.600		1.600						
417	1.000	1.000	1.600	1.120	1.600						
418	1.600	1.600	1.600	1.120	1.600						
419	1.000	1.000	1.600	1.600	1.120						
420	1.600	1.600	1.600	1.600	1.120						
421	1.000	1.000	1.600			1.600					
422	1.600	1.600	1.600			1.600					
423	1.000	1.000	1.600	1.120		1.600					
424	1.600	1.600	1.600	1.120		1.600					
425	1.000	1.000	1.600		1.600	1.600					
426	1.600	1.600	1.600		1.600	1.600					
427	1.000	1.000	1.600	1.120	1.600	1.600					
428	1.600	1.600	1.600	1.120	1.600	1.600					
429	1.000	1.000	1.600	1.600		1.120					
430	1.600	1.600	1.600	1.600		1.120					
431	1.000	1.000	1.600	1.600	1.120	1.120					
432	1.600	1.600	1.600	1.600	1.120	1.120					
433	1.000	1.000	1.600				1.600				
434	1.600	1.600	1.600				1.600				
435	1.000	1.000	1.600	1.120			1.600				
436	1.600	1.600	1.600	1.120			1.600				
437	1.000	1.000	1.600		1.120		1.600				
438	1.600	1.600	1.600		1.120		1.600				
439	1.000	1.000	1.600	1.120	1.120		1.600				
440	1.600	1.600	1.600	1.120	1.120		1.600				
441	1.000	1.000	1.600			1.120	1.600				
442	1.600	1.600	1.600			1.120	1.600				
443	1.000	1.000	1.600	1.120		1.120	1.600				
444	1.600	1.600	1.600	1.120		1.120	1.600				
445	1.000	1.000	1.600		1.120	1.120	1.600				
446	1.600	1.600	1.600		1.120	1.120	1.600				
447	1.000	1.000	1.600	1.120	1.120	1.120	1.600				
448	1.600	1.600	1.600	1.120	1.120	1.120	1.600				
449	1.000	1.000	1.600	1.600			0.960				
450	1.600	1.600	1.600	1.600			0.960				
451	1.000	1.000	1.600		1.600		0.960				
452	1.600	1.600	1.600		1.600		0.960				
453	1.000	1.000	1.600	1.120	1.600		0.960				
454	1.600	1.600	1.600	1.120	1.600		0.960				
455	1.000	1.000	1.600	1.600	1.120		0.960				
456	1.600	1.600	1.600	1.600	1.120		0.960				
457	1.000	1.000	1.600			1.600	0.960				
458	1.600	1.600	1.600			1.600	0.960				
459	1.000	1.000	1.600	1.120		1.600	0.960				
460	1.600	1.600	1.600	1.120		1.600	0.960				

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
461	1.000	1.000	1.600		1.600	1.600	0.960				
462	1.600	1.600	1.600		1.600	1.600	0.960				
463	1.000	1.000	1.600	1.120	1.600	1.600	0.960				
464	1.600	1.600	1.600	1.120	1.600	1.600	0.960				
465	1.000	1.000	1.600	1.600		1.120	0.960				
466	1.600	1.600	1.600	1.600		1.120	0.960				
467	1.000	1.000	1.600	1.600	1.120	1.120	0.960				
468	1.600	1.600	1.600	1.600	1.120	1.120	0.960				
469	1.000	1.000	1.600					1.600			
470	1.600	1.600	1.600					1.600			
471	1.000	1.000	1.600	1.120				1.600			
472	1.600	1.600	1.600	1.120				1.600			
473	1.000	1.000	1.600		1.120			1.600			
474	1.600	1.600	1.600		1.120			1.600			
475	1.000	1.000	1.600	1.120	1.120			1.600			
476	1.600	1.600	1.600	1.120	1.120			1.600			
477	1.000	1.000	1.600			1.120		1.600			
478	1.600	1.600	1.600			1.120		1.600			
479	1.000	1.000	1.600	1.120		1.120		1.600			
480	1.600	1.600	1.600	1.120		1.120		1.600			
481	1.000	1.000	1.600		1.120	1.120		1.600			
482	1.600	1.600	1.600		1.120	1.120		1.600			
483	1.000	1.000	1.600	1.120	1.120	1.120		1.600			
484	1.600	1.600	1.600	1.120	1.120	1.120		1.600			
485	1.000	1.000	1.600	1.600				0.960			
486	1.600	1.600	1.600	1.600				0.960			
487	1.000	1.000	1.600		1.600			0.960			
488	1.600	1.600	1.600		1.600			0.960			
489	1.000	1.000	1.600	1.120	1.600			0.960			
490	1.600	1.600	1.600	1.120	1.600			0.960			
491	1.000	1.000	1.600	1.600	1.120			0.960			
492	1.600	1.600	1.600	1.600	1.120			0.960			
493	1.000	1.000	1.600			1.600		0.960			
494	1.600	1.600	1.600			1.600		0.960			
495	1.000	1.000	1.600	1.120		1.600		0.960			
496	1.600	1.600	1.600	1.120		1.600		0.960			
497	1.000	1.000	1.600		1.600	1.600		0.960			
498	1.600	1.600	1.600		1.600	1.600		0.960			
499	1.000	1.000	1.600	1.120	1.600	1.600		0.960			
500	1.600	1.600	1.600	1.120	1.600	1.600		0.960			
501	1.000	1.000	1.600	1.600		1.120		0.960			
502	1.600	1.600	1.600	1.600		1.120		0.960			
503	1.000	1.000	1.600	1.600	1.120	1.120		0.960			
504	1.600	1.600	1.600	1.600	1.120	1.120		0.960			
505	1.000	1.000	1.600						1.600		
506	1.600	1.600	1.600						1.600		

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
507	1.000	1.000	1.600	1.120					1.600		
508	1.600	1.600	1.600	1.120					1.600		
509	1.000	1.000	1.600		1.120				1.600		
510	1.600	1.600	1.600		1.120				1.600		
511	1.000	1.000	1.600	1.120	1.120				1.600		
512	1.600	1.600	1.600	1.120	1.120				1.600		
513	1.000	1.000	1.600			1.120			1.600		
514	1.600	1.600	1.600			1.120			1.600		
515	1.000	1.000	1.600	1.120		1.120			1.600		
516	1.600	1.600	1.600	1.120		1.120			1.600		
517	1.000	1.000	1.600		1.120	1.120			1.600		
518	1.600	1.600	1.600		1.120	1.120			1.600		
519	1.000	1.000	1.600	1.120	1.120	1.120			1.600		
520	1.600	1.600	1.600	1.120	1.120	1.120			1.600		
521	1.000	1.000	1.600	1.600					0.960		
522	1.600	1.600	1.600	1.600					0.960		
523	1.000	1.000	1.600		1.600				0.960		
524	1.600	1.600	1.600		1.600				0.960		
525	1.000	1.000	1.600	1.120	1.600				0.960		
526	1.600	1.600	1.600	1.120	1.600				0.960		
527	1.000	1.000	1.600	1.600	1.120				0.960		
528	1.600	1.600	1.600	1.600	1.120				0.960		
529	1.000	1.000	1.600			1.600			0.960		
530	1.600	1.600	1.600			1.600			0.960		
531	1.000	1.000	1.600	1.120		1.600			0.960		
532	1.600	1.600	1.600	1.120		1.600			0.960		
533	1.000	1.000	1.600		1.600	1.600			0.960		
534	1.600	1.600	1.600		1.600	1.600			0.960		
535	1.000	1.000	1.600	1.120	1.600	1.600			0.960		
536	1.600	1.600	1.600	1.120	1.600	1.600			0.960		
537	1.000	1.000	1.600	1.600		1.120			0.960		
538	1.600	1.600	1.600	1.600		1.120			0.960		
539	1.000	1.000	1.600	1.600	1.120	1.120			0.960		
540	1.600	1.600	1.600	1.600	1.120	1.120			0.960		
541	1.000	1.000	1.600							1.600	
542	1.600	1.600	1.600							1.600	
543	1.000	1.000	1.600	1.120						1.600	
544	1.600	1.600	1.600	1.120						1.600	
545	1.000	1.000	1.600		1.120					1.600	
546	1.600	1.600	1.600		1.120					1.600	
547	1.000	1.000	1.600	1.120	1.120					1.600	
548	1.600	1.600	1.600	1.120	1.120					1.600	
549	1.000	1.000	1.600			1.120				1.600	
550	1.600	1.600	1.600			1.120				1.600	
551	1.000	1.000	1.600	1.120		1.120				1.600	
552	1.600	1.600	1.600	1.120		1.120				1.600	

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
553	1.000	1.000	1.600		1.120	1.120				1.600	
554	1.600	1.600	1.600		1.120	1.120				1.600	
555	1.000	1.000	1.600	1.120	1.120	1.120				1.600	
556	1.600	1.600	1.600	1.120	1.120	1.120				1.600	
557	1.000	1.000	1.600	1.600						0.960	
558	1.600	1.600	1.600	1.600						0.960	
559	1.000	1.000	1.600		1.600					0.960	
560	1.600	1.600	1.600		1.600					0.960	
561	1.000	1.000	1.600	1.120	1.600					0.960	
562	1.600	1.600	1.600	1.120	1.600					0.960	
563	1.000	1.000	1.600	1.600	1.120					0.960	
564	1.600	1.600	1.600	1.600	1.120					0.960	
565	1.000	1.000	1.600			1.600				0.960	
566	1.600	1.600	1.600			1.600				0.960	
567	1.000	1.000	1.600	1.120		1.600				0.960	
568	1.600	1.600	1.600	1.120		1.600				0.960	
569	1.000	1.000	1.600		1.600	1.600				0.960	
570	1.600	1.600	1.600		1.600	1.600				0.960	
571	1.000	1.000	1.600	1.120	1.600	1.600				0.960	
572	1.600	1.600	1.600	1.120	1.600	1.600				0.960	
573	1.000	1.000	1.600	1.600		1.120				0.960	
574	1.600	1.600	1.600	1.600		1.120				0.960	
575	1.000	1.000	1.600	1.600	1.120	1.120				0.960	
576	1.600	1.600	1.600	1.600	1.120	1.120				0.960	
577	1.000	1.000	1.600								1.600
578	1.600	1.600	1.600								1.600
579	1.000	1.000	1.600	1.120							1.600
580	1.600	1.600	1.600	1.120							1.600
581	1.000	1.000	1.600		1.120						1.600
582	1.600	1.600	1.600		1.120						1.600
583	1.000	1.000	1.600	1.120	1.120						1.600
584	1.600	1.600	1.600	1.120	1.120						1.600
585	1.000	1.000	1.600			1.120					1.600
586	1.600	1.600	1.600			1.120					1.600
587	1.000	1.000	1.600	1.120		1.120					1.600
588	1.600	1.600	1.600	1.120		1.120					1.600
589	1.000	1.000	1.600		1.120	1.120					1.600
590	1.600	1.600	1.600		1.120	1.120					1.600
591	1.000	1.000	1.600	1.120	1.120	1.120					1.600
592	1.600	1.600	1.600	1.120	1.120	1.120					1.600
593	1.000	1.000	1.600				0.960				1.600
594	1.600	1.600	1.600				0.960				1.600
595	1.000	1.000	1.600	1.120			0.960				1.600
596	1.600	1.600	1.600	1.120			0.960				1.600
597	1.000	1.000	1.600		1.120		0.960				1.600
598	1.600	1.600	1.600		1.120		0.960				1.600

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
599	1.000	1.000	1.600	1.120	1.120		0.960				1.600
600	1.600	1.600	1.600	1.120	1.120		0.960				1.600
601	1.000	1.000	1.600			1.120	0.960				1.600
602	1.600	1.600	1.600			1.120	0.960				1.600
603	1.000	1.000	1.600	1.120		1.120	0.960				1.600
604	1.600	1.600	1.600	1.120		1.120	0.960				1.600
605	1.000	1.000	1.600		1.120	1.120	0.960				1.600
606	1.600	1.600	1.600		1.120	1.120	0.960				1.600
607	1.000	1.000	1.600	1.120	1.120	1.120	0.960				1.600
608	1.600	1.600	1.600	1.120	1.120	1.120	0.960				1.600
609	1.000	1.000	1.600					0.960			1.600
610	1.600	1.600	1.600					0.960			1.600
611	1.000	1.000	1.600	1.120				0.960			1.600
612	1.600	1.600	1.600	1.120				0.960			1.600
613	1.000	1.000	1.600		1.120			0.960			1.600
614	1.600	1.600	1.600		1.120			0.960			1.600
615	1.000	1.000	1.600	1.120	1.120			0.960			1.600
616	1.600	1.600	1.600	1.120	1.120			0.960			1.600
617	1.000	1.000	1.600			1.120		0.960			1.600
618	1.600	1.600	1.600			1.120		0.960			1.600
619	1.000	1.000	1.600	1.120		1.120		0.960			1.600
620	1.600	1.600	1.600	1.120		1.120		0.960			1.600
621	1.000	1.000	1.600		1.120	1.120		0.960			1.600
622	1.600	1.600	1.600		1.120	1.120		0.960			1.600
623	1.000	1.000	1.600	1.120	1.120	1.120		0.960			1.600
624	1.600	1.600	1.600	1.120	1.120	1.120		0.960			1.600
625	1.000	1.000	1.600						0.960		1.600
626	1.600	1.600	1.600						0.960		1.600
627	1.000	1.000	1.600	1.120					0.960		1.600
628	1.600	1.600	1.600	1.120					0.960		1.600
629	1.000	1.000	1.600		1.120				0.960		1.600
630	1.600	1.600	1.600		1.120				0.960		1.600
631	1.000	1.000	1.600	1.120	1.120				0.960		1.600
632	1.600	1.600	1.600	1.120	1.120				0.960		1.600
633	1.000	1.000	1.600			1.120			0.960		1.600
634	1.600	1.600	1.600			1.120			0.960		1.600
635	1.000	1.000	1.600	1.120		1.120			0.960		1.600
636	1.600	1.600	1.600	1.120		1.120			0.960		1.600
637	1.000	1.000	1.600		1.120	1.120			0.960		1.600
638	1.600	1.600	1.600		1.120	1.120			0.960		1.600
639	1.000	1.000	1.600	1.120	1.120	1.120			0.960		1.600
640	1.600	1.600	1.600	1.120	1.120	1.120			0.960		1.600
641	1.000	1.000	1.600							0.960	1.600
642	1.600	1.600	1.600							0.960	1.600
643	1.000	1.000	1.600	1.120						0.960	1.600
644	1.600	1.600	1.600	1.120						0.960	1.600

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
645	1.000	1.000	1.600		1.120					0.960	1.600
646	1.600	1.600	1.600		1.120					0.960	1.600
647	1.000	1.000	1.600	1.120	1.120					0.960	1.600
648	1.600	1.600	1.600	1.120	1.120					0.960	1.600
649	1.000	1.000	1.600			1.120				0.960	1.600
650	1.600	1.600	1.600			1.120				0.960	1.600
651	1.000	1.000	1.600	1.120		1.120				0.960	1.600
652	1.600	1.600	1.600	1.120		1.120				0.960	1.600
653	1.000	1.000	1.600		1.120	1.120				0.960	1.600
654	1.600	1.600	1.600		1.120	1.120				0.960	1.600
655	1.000	1.000	1.600	1.120	1.120	1.120				0.960	1.600
656	1.600	1.600	1.600	1.120	1.120	1.120				0.960	1.600
657	1.000	1.000	1.600	1.600							0.800
658	1.600	1.600	1.600	1.600							0.800
659	1.000	1.000	1.600		1.600						0.800
660	1.600	1.600	1.600		1.600						0.800
661	1.000	1.000	1.600	1.120	1.600						0.800
662	1.600	1.600	1.600	1.120	1.600						0.800
663	1.000	1.000	1.600	1.600	1.120						0.800
664	1.600	1.600	1.600	1.600	1.120						0.800
665	1.000	1.000	1.600			1.600					0.800
666	1.600	1.600	1.600			1.600					0.800
667	1.000	1.000	1.600	1.120		1.600					0.800
668	1.600	1.600	1.600	1.120		1.600					0.800
669	1.000	1.000	1.600		1.600	1.600					0.800
670	1.600	1.600	1.600		1.600	1.600					0.800
671	1.000	1.000	1.600	1.120	1.600	1.600					0.800
672	1.600	1.600	1.600	1.120	1.600	1.600					0.800
673	1.000	1.000	1.600	1.600		1.120					0.800
674	1.600	1.600	1.600	1.600		1.120					0.800
675	1.000	1.000	1.600	1.600	1.120	1.120					0.800
676	1.600	1.600	1.600	1.600	1.120	1.120					0.800
677	1.000	1.000	1.600				1.600				0.800
678	1.600	1.600	1.600				1.600				0.800
679	1.000	1.000	1.600	1.120			1.600				0.800
680	1.600	1.600	1.600	1.120			1.600				0.800
681	1.000	1.000	1.600		1.120		1.600				0.800
682	1.600	1.600	1.600		1.120		1.600				0.800
683	1.000	1.000	1.600	1.120	1.120		1.600				0.800
684	1.600	1.600	1.600	1.120	1.120		1.600				0.800
685	1.000	1.000	1.600			1.120	1.600				0.800
686	1.600	1.600	1.600			1.120	1.600				0.800
687	1.000	1.000	1.600	1.120		1.120	1.600				0.800
688	1.600	1.600	1.600	1.120		1.120	1.600				0.800
689	1.000	1.000	1.600		1.120	1.120	1.600				0.800
690	1.600	1.600	1.600		1.120	1.120	1.600				0.800

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
691	1.000	1.000	1.600	1.120	1.120	1.120	1.600				0.800
692	1.600	1.600	1.600	1.120	1.120	1.120	1.600				0.800
693	1.000	1.000	1.600	1.600			0.960				0.800
694	1.600	1.600	1.600	1.600			0.960				0.800
695	1.000	1.000	1.600		1.600		0.960				0.800
696	1.600	1.600	1.600		1.600		0.960				0.800
697	1.000	1.000	1.600	1.120	1.600		0.960				0.800
698	1.600	1.600	1.600	1.120	1.600		0.960				0.800
699	1.000	1.000	1.600	1.600	1.120		0.960				0.800
700	1.600	1.600	1.600	1.600	1.120		0.960				0.800
701	1.000	1.000	1.600			1.600	0.960				0.800
702	1.600	1.600	1.600			1.600	0.960				0.800
703	1.000	1.000	1.600	1.120		1.600	0.960				0.800
704	1.600	1.600	1.600	1.120		1.600	0.960				0.800
705	1.000	1.000	1.600		1.600	1.600	0.960				0.800
706	1.600	1.600	1.600		1.600	1.600	0.960				0.800
707	1.000	1.000	1.600	1.120	1.600	1.600	0.960				0.800
708	1.600	1.600	1.600	1.120	1.600	1.600	0.960				0.800
709	1.000	1.000	1.600	1.600		1.120	0.960				0.800
710	1.600	1.600	1.600	1.600		1.120	0.960				0.800
711	1.000	1.000	1.600	1.600	1.120	1.120	0.960				0.800
712	1.600	1.600	1.600	1.600	1.120	1.120	0.960				0.800
713	1.000	1.000	1.600					1.600			0.800
714	1.600	1.600	1.600					1.600			0.800
715	1.000	1.000	1.600	1.120				1.600			0.800
716	1.600	1.600	1.600	1.120				1.600			0.800
717	1.000	1.000	1.600		1.120			1.600			0.800
718	1.600	1.600	1.600		1.120			1.600			0.800
719	1.000	1.000	1.600	1.120	1.120			1.600			0.800
720	1.600	1.600	1.600	1.120	1.120			1.600			0.800
721	1.000	1.000	1.600			1.120		1.600			0.800
722	1.600	1.600	1.600			1.120		1.600			0.800
723	1.000	1.000	1.600	1.120		1.120		1.600			0.800
724	1.600	1.600	1.600	1.120		1.120		1.600			0.800
725	1.000	1.000	1.600		1.120	1.120		1.600			0.800
726	1.600	1.600	1.600		1.120	1.120		1.600			0.800
727	1.000	1.000	1.600	1.120	1.120	1.120		1.600			0.800
728	1.600	1.600	1.600	1.120	1.120	1.120		1.600			0.800
729	1.000	1.000	1.600	1.600				0.960			0.800
730	1.600	1.600	1.600	1.600				0.960			0.800
731	1.000	1.000	1.600		1.600			0.960			0.800
732	1.600	1.600	1.600		1.600			0.960			0.800
733	1.000	1.000	1.600	1.120	1.600			0.960			0.800
734	1.600	1.600	1.600	1.120	1.600			0.960			0.800
735	1.000	1.000	1.600	1.600	1.120			0.960			0.800
736	1.600	1.600	1.600	1.600	1.120			0.960			0.800

## Listado de datos de la obra

Fecha: 02/03/21

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
737	1.000	1.000	1.600			1.600		0.960			0.800
738	1.600	1.600	1.600			1.600		0.960			0.800
739	1.000	1.000	1.600	1.120		1.600		0.960			0.800
740	1.600	1.600	1.600	1.120		1.600		0.960			0.800
741	1.000	1.000	1.600		1.600	1.600		0.960			0.800
742	1.600	1.600	1.600		1.600	1.600		0.960			0.800
743	1.000	1.000	1.600	1.120	1.600	1.600		0.960			0.800
744	1.600	1.600	1.600	1.120	1.600	1.600		0.960			0.800
745	1.000	1.000	1.600	1.600		1.120		0.960			0.800
746	1.600	1.600	1.600	1.600		1.120		0.960			0.800
747	1.000	1.000	1.600	1.600	1.120	1.120		0.960			0.800
748	1.600	1.600	1.600	1.600	1.120	1.120		0.960			0.800
749	1.000	1.000	1.600						1.600		0.800
750	1.600	1.600	1.600						1.600		0.800
751	1.000	1.000	1.600	1.120					1.600		0.800
752	1.600	1.600	1.600	1.120					1.600		0.800
753	1.000	1.000	1.600		1.120				1.600		0.800
754	1.600	1.600	1.600		1.120				1.600		0.800
755	1.000	1.000	1.600	1.120	1.120				1.600		0.800
756	1.600	1.600	1.600	1.120	1.120				1.600		0.800
757	1.000	1.000	1.600			1.120			1.600		0.800
758	1.600	1.600	1.600			1.120			1.600		0.800
759	1.000	1.000	1.600	1.120		1.120			1.600		0.800
760	1.600	1.600	1.600	1.120		1.120			1.600		0.800
761	1.000	1.000	1.600		1.120	1.120			1.600		0.800
762	1.600	1.600	1.600		1.120	1.120			1.600		0.800
763	1.000	1.000	1.600	1.120	1.120	1.120			1.600		0.800
764	1.600	1.600	1.600	1.120	1.120	1.120			1.600		0.800
765	1.000	1.000	1.600	1.600					0.960		0.800
766	1.600	1.600	1.600	1.600					0.960		0.800
767	1.000	1.000	1.600		1.600				0.960		0.800
768	1.600	1.600	1.600		1.600				0.960		0.800
769	1.000	1.000	1.600	1.120	1.600				0.960		0.800
770	1.600	1.600	1.600	1.120	1.600				0.960		0.800
771	1.000	1.000	1.600	1.600	1.120				0.960		0.800
772	1.600	1.600	1.600	1.600	1.120				0.960		0.800
773	1.000	1.000	1.600			1.600			0.960		0.800
774	1.600	1.600	1.600			1.600			0.960		0.800
775	1.000	1.000	1.600	1.120		1.600			0.960		0.800
776	1.600	1.600	1.600	1.120		1.600			0.960		0.800
777	1.000	1.000	1.600		1.600	1.600			0.960		0.800
778	1.600	1.600	1.600		1.600	1.600			0.960		0.800
779	1.000	1.000	1.600	1.120	1.600	1.600			0.960		0.800
780	1.600	1.600	1.600	1.120	1.600	1.600			0.960		0.800
781	1.000	1.000	1.600	1.600		1.120			0.960		0.800
782	1.600	1.600	1.600	1.600		1.120			0.960		0.800

## Listado de datos de la obra

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
783	1.000	1.000	1.600	1.600	1.120	1.120			0.960		0.800
784	1.600	1.600	1.600	1.600	1.120	1.120			0.960		0.800
785	1.000	1.000	1.600							1.600	0.800
786	1.600	1.600	1.600							1.600	0.800
787	1.000	1.000	1.600	1.120						1.600	0.800
788	1.600	1.600	1.600	1.120						1.600	0.800
789	1.000	1.000	1.600		1.120					1.600	0.800
790	1.600	1.600	1.600		1.120					1.600	0.800
791	1.000	1.000	1.600	1.120	1.120					1.600	0.800
792	1.600	1.600	1.600	1.120	1.120					1.600	0.800
793	1.000	1.000	1.600			1.120				1.600	0.800
794	1.600	1.600	1.600			1.120				1.600	0.800
795	1.000	1.000	1.600	1.120		1.120				1.600	0.800
796	1.600	1.600	1.600	1.120		1.120				1.600	0.800
797	1.000	1.000	1.600		1.120	1.120				1.600	0.800
798	1.600	1.600	1.600		1.120	1.120				1.600	0.800
799	1.000	1.000	1.600	1.120	1.120	1.120				1.600	0.800
800	1.600	1.600	1.600	1.120	1.120	1.120				1.600	0.800
801	1.000	1.000	1.600	1.600						0.960	0.800
802	1.600	1.600	1.600	1.600						0.960	0.800
803	1.000	1.000	1.600		1.600					0.960	0.800
804	1.600	1.600	1.600		1.600					0.960	0.800
805	1.000	1.000	1.600	1.120	1.600					0.960	0.800
806	1.600	1.600	1.600	1.120	1.600					0.960	0.800
807	1.000	1.000	1.600	1.600	1.120					0.960	0.800
808	1.600	1.600	1.600	1.600	1.120					0.960	0.800
809	1.000	1.000	1.600			1.600				0.960	0.800
810	1.600	1.600	1.600			1.600				0.960	0.800
811	1.000	1.000	1.600	1.120		1.600				0.960	0.800
812	1.600	1.600	1.600	1.120		1.600				0.960	0.800
813	1.000	1.000	1.600		1.600	1.600				0.960	0.800
814	1.600	1.600	1.600		1.600	1.600				0.960	0.800
815	1.000	1.000	1.600	1.120	1.600	1.600				0.960	0.800
816	1.600	1.600	1.600	1.120	1.600	1.600				0.960	0.800
817	1.000	1.000	1.600	1.600		1.120				0.960	0.800
818	1.600	1.600	1.600	1.600		1.120				0.960	0.800
819	1.000	1.000	1.600	1.600	1.120	1.120				0.960	0.800
820	1.600	1.600	1.600	1.600	1.120	1.120				0.960	0.800

■ Tensiones sobre el terreno

■ Desplazamientos

Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
1	1.000	1.000	1.000								
2	1.000	1.000	1.000	1.000							

## Listado de datos de la obra

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
3	1.000	1.000	1.000		1.000						
4	1.000	1.000	1.000	1.000	1.000						
5	1.000	1.000	1.000			1.000					
6	1.000	1.000	1.000	1.000		1.000					
7	1.000	1.000	1.000		1.000	1.000					
8	1.000	1.000	1.000	1.000	1.000	1.000					
9	1.000	1.000	1.000				1.000				
10	1.000	1.000	1.000	1.000			1.000				
11	1.000	1.000	1.000		1.000		1.000				
12	1.000	1.000	1.000	1.000	1.000		1.000				
13	1.000	1.000	1.000			1.000	1.000				
14	1.000	1.000	1.000	1.000		1.000	1.000				
15	1.000	1.000	1.000		1.000	1.000	1.000				
16	1.000	1.000	1.000	1.000	1.000	1.000	1.000				
17	1.000	1.000	1.000					1.000			
18	1.000	1.000	1.000	1.000				1.000			
19	1.000	1.000	1.000		1.000			1.000			
20	1.000	1.000	1.000	1.000	1.000			1.000			
21	1.000	1.000	1.000			1.000		1.000			
22	1.000	1.000	1.000	1.000		1.000		1.000			
23	1.000	1.000	1.000		1.000	1.000		1.000			
24	1.000	1.000	1.000	1.000	1.000	1.000		1.000			
25	1.000	1.000	1.000						1.000		
26	1.000	1.000	1.000	1.000					1.000		
27	1.000	1.000	1.000		1.000				1.000		
28	1.000	1.000	1.000	1.000	1.000				1.000		
29	1.000	1.000	1.000			1.000			1.000		
30	1.000	1.000	1.000	1.000		1.000			1.000		
31	1.000	1.000	1.000		1.000	1.000			1.000		
32	1.000	1.000	1.000	1.000	1.000	1.000			1.000		
33	1.000	1.000	1.000							1.000	
34	1.000	1.000	1.000	1.000						1.000	
35	1.000	1.000	1.000		1.000					1.000	
36	1.000	1.000	1.000	1.000	1.000					1.000	
37	1.000	1.000	1.000			1.000				1.000	
38	1.000	1.000	1.000	1.000		1.000				1.000	
39	1.000	1.000	1.000		1.000	1.000				1.000	
40	1.000	1.000	1.000	1.000	1.000	1.000				1.000	
41	1.000	1.000	1.000								1.000
42	1.000	1.000	1.000	1.000							1.000
43	1.000	1.000	1.000		1.000						1.000
44	1.000	1.000	1.000	1.000	1.000						1.000
45	1.000	1.000	1.000			1.000					1.000
46	1.000	1.000	1.000	1.000		1.000					1.000
47	1.000	1.000	1.000		1.000	1.000					1.000
48	1.000	1.000	1.000	1.000	1.000	1.000					1.000

## Listado de datos de la obra

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Comb.	PP	CM	RELLENO	Qa (C)	Qa (E)	TFCO (E)	E+X	E-X	E+Y	E-Y	N
49	1.000	1.000	1.000				1.000				1.000
50	1.000	1.000	1.000	1.000			1.000				1.000
51	1.000	1.000	1.000		1.000		1.000				1.000
52	1.000	1.000	1.000	1.000	1.000		1.000				1.000
53	1.000	1.000	1.000			1.000	1.000				1.000
54	1.000	1.000	1.000	1.000		1.000	1.000				1.000
55	1.000	1.000	1.000		1.000	1.000	1.000				1.000
56	1.000	1.000	1.000	1.000	1.000	1.000	1.000				1.000
57	1.000	1.000	1.000					1.000			1.000
58	1.000	1.000	1.000	1.000				1.000			1.000
59	1.000	1.000	1.000		1.000			1.000			1.000
60	1.000	1.000	1.000	1.000	1.000			1.000			1.000
61	1.000	1.000	1.000			1.000		1.000			1.000
62	1.000	1.000	1.000	1.000		1.000		1.000			1.000
63	1.000	1.000	1.000		1.000	1.000		1.000			1.000
64	1.000	1.000	1.000	1.000	1.000	1.000		1.000			1.000
65	1.000	1.000	1.000						1.000		1.000
66	1.000	1.000	1.000	1.000					1.000		1.000
67	1.000	1.000	1.000		1.000				1.000		1.000
68	1.000	1.000	1.000	1.000	1.000				1.000		1.000
69	1.000	1.000	1.000			1.000			1.000		1.000
70	1.000	1.000	1.000	1.000		1.000			1.000		1.000
71	1.000	1.000	1.000		1.000	1.000			1.000		1.000
72	1.000	1.000	1.000	1.000	1.000	1.000			1.000		1.000
73	1.000	1.000	1.000							1.000	1.000
74	1.000	1.000	1.000	1.000						1.000	1.000
75	1.000	1.000	1.000		1.000					1.000	1.000
76	1.000	1.000	1.000	1.000	1.000					1.000	1.000
77	1.000	1.000	1.000			1.000				1.000	1.000
78	1.000	1.000	1.000	1.000		1.000				1.000	1.000
79	1.000	1.000	1.000		1.000	1.000				1.000	1.000
80	1.000	1.000	1.000	1.000	1.000	1.000				1.000	1.000

### 7.- DATOS GEOMÉTRICOS DE GRUPOS Y PLANTAS

Grupo	Nombre del grupo	Planta	Nombre planta	Altura	Cota
I	Forjado I		I Forjado I	6.00	0.00
0	Cimentación				-6.00

### 8.- LOSAS Y ELEMENTOS DE CIMENTACIÓN

Losas cimentación	Canto (cm)	Módulo balasto (kN/m <sup>3</sup> )	Tensión admisible en situaciones persistentes (MPa)	Tensión admisible en situaciones accidentales (MPa)
Todas	85	45 10.00	0.147	0.300

# Listado de datos de la obra

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## 9.- MATERIALES UTILIZADOS

### 9.1.- Hormigones

Elemento	Hormigón	$f_{ck}$ (MPa)	$\gamma_c$	Árido		$E_c$ (MPa)
				Naturaleza	Tamaño máximo (mm)	
Vigas y losas de cimentación	HA-30	30	1.50	Cuarcita	20	28577
Forjados	HA-30	30	1.50	Cuarcita	20	28577
Pilares y pantallas	HA-25	25	1.50	Cuarcita	20	27264
Muros	HA-30	30	1.50	Cuarcita	20	28577

### 9.2.- Aceros por elemento y posición

#### 9.2.1.- Aceros en barras

Elemento	Acero	$f_{yk}$ (MPa)	$\gamma_s$
Todos	B 500 S	500	1.15

#### 9.2.2.- Aceros en perfiles

Tipo de acero para perfiles	Acero	Límite elástico (MPa)	Módulo de elasticidad (GPa)
Acero conformado	S235	235	210
Acero laminado	S275 (EAE)	275	210



## Esfuerzos en nudos de losas y reticulares

Cortantes en KN. Momentos en KN x m.

Coord. X y Coord. Y son coordenadas generales. Los esfuerzos están referidos a los ejes locales de la malla correspondiente.

Envoltentes de esfuerzos mayorados

		Cimentación					
Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.325	0.565	Máx.	17.1346	52.3327	38.4704	29.8360	58.9714
		Mín.	-12.2502	-32.6504	13.9522	12.6063	-108.4320
		Dif.	29.3848	84.9831	24.5182	17.2297	167.4034
0.325	0.815	Máx.	32.0039	49.5297	51.8081	22.5835	51.4933
		Mín.	-5.1302	-38.8590	25.0935	11.3799	-116.3890
		Dif.	37.1341	88.3887	26.7146	11.2037	167.8824
0.325	1.065	Máx.	39.0329	50.0185	64.4118	18.5035	47.5253
		Mín.	-1.9585	-45.4791	32.4272	8.7502	-124.4050
		Dif.	40.9914	95.4976	31.9847	9.7533	171.9303
0.325	1.315	Máx.	63.2207	52.2698	88.7207	16.0128	44.6764
		Mín.	10.7526	-50.5917	44.1001	7.1484	-131.4069
		Dif.	52.4681	102.8615	44.6206	8.8644	176.0833
0.325	1.565	Máx.	68.1711	54.4567	102.3676	13.7747	42.0252
		Mín.	18.9224	-53.7063	55.1078	4.6108	-137.0739
		Dif.	49.2487	108.1631	47.2599	9.1639	179.0991
0.325	1.815	Máx.	92.2119	57.2112	127.4972	12.0510	39.2692
		Mín.	33.4458	-54.8208	69.6293	3.3099	-141.3109
		Dif.	58.7661	112.0320	57.8678	8.7411	180.5801
0.325	2.065	Máx.	87.9066	57.2461	138.7065	9.9916	36.4579
		Mín.	35.2472	-56.7012	77.5877	0.3867	-144.0478
		Dif.	52.6595	113.9474	61.1188	9.6048	180.5057
0.325	2.315	Máx.	120.0303	57.8315	169.5903	9.1602	33.3119
		Mín.	56.5049	-56.6348	95.8531	-0.4813	-145.6426
		Dif.	63.5254	114.4663	73.7372	9.6416	178.9545
0.325	2.565	Máx.	114.4672	59.0600	180.7738	7.6454	29.7889
		Mín.	59.3584	-54.8713	104.4950	-3.3646	-146.2657
		Dif.	55.1088	113.9314	76.2788	11.0100	176.0546
0.325	2.815	Máx.	145.1409	61.1845	210.9572	7.5972	25.9531
		Mín.	80.2530	-51.1078	122.2843	-4.4989	-145.8951
		Dif.	64.8879	112.2922	88.6729	12.0961	171.8481
0.325	3.065	Máx.	125.0416	59.8095	214.4629	5.9824	22.0943
		Mín.	72.2217	-49.4493	125.7248	-8.0637	-144.2806
		Dif.	52.8199	109.2588	88.7381	14.0461	166.3749
0.325	3.315	Máx.	162.7957	57.5852	249.0809	6.7955	17.9567
		Mín.	100.5281	-46.6013	146.1519	-8.6820	-141.6559
		Dif.	62.2676	104.1865	102.9290	15.4774	159.6126
0.325	3.565	Máx.	144.0043	55.4283	253.1023	5.3626	13.4738
		Mín.	94.1501	-42.1972	150.5209	-11.7458	-138.1853
		Dif.	49.8542	97.6255	102.5814	17.1084	151.6591
0.325	3.815	Máx.	184.3712	53.1955	287.1670	5.9512	8.7034
		Mín.	119.6553	-35.4147	170.4019	-12.0458	-133.8912
		Dif.	64.7158	88.6102	116.7652	17.9970	142.5945
0.325	4.065	Máx.	148.5872	45.5572	281.8605	3.1972	4.1320
		Mín.	98.4732	-31.6939	168.2696	-15.0777	-128.5088
		Dif.	50.1140	77.2511	113.5909	18.2749	132.6408



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.325	4.315	Máx.	195.6177	32.9584	319.4379	3.5942	-0.2646
		Mín.	123.2036	-28.4199	189.8546	-13.3211	-122.3847
		Dif.	72.4141	61.3784	129.5834	16.9153	122.1201
0.325	4.565	Máx.	159.5910	17.6662	317.1751	0.4363	-4.3021
		Mín.	100.6438	-26.9464	189.9505	-12.4590	-116.1641
		Dif.	58.9472	44.6126	127.2246	12.8953	111.8621
0.325	4.815	Máx.	194.0902	-3.8609	355.6334	1.3026	-7.5456
		Mín.	111.1925	-29.4271	211.1213	-4.8526	-110.9564
		Dif.	82.8977	25.5662	144.5121	6.1552	103.4108
0.325	5.065	Máx.	131.3181	-28.5040	349.7454	8.2176	-9.0951
		Mín.	47.1397	-54.2754	207.9849	-4.2828	-108.7111
		Dif.	84.1784	25.7715	141.7605	12.5004	99.6160
0.325	5.315	Máx.	149.5439	-51.0806	403.1201	33.9004	-9.1496
		Mín.	5.8992	-97.6395	237.1621	-1.7649	-114.3016
		Dif.	143.6448	46.5589	165.9580	35.6653	105.1520
0.325	5.565	Máx.	52.0909	-57.4583	425.6369	60.4557	-8.9787
		Mín.	-122.6056	-104.3455	251.3612	1.7071	-134.3244
		Dif.	174.6966	46.8871	174.2756	58.7486	125.3457
0.325	5.815	Máx.	16.2009	-2.8806	497.5652	59.7039	-10.1436
		Mín.	-167.6362	-46.4572	291.1811	10.3954	-162.0258
		Dif.	183.8371	43.5765	206.3841	49.3084	151.8822
0.325	6.065	Máx.	-20.2323	75.5946	480.6406	24.9472	-9.7214
		Mín.	-121.2312	-13.6259	279.7270	4.9866	-170.4990
		Dif.	100.9988	89.2204	200.9136	19.9606	160.7777
0.325	6.315	Máx.	70.0397	91.8850	511.8197	8.6262	-7.6541
		Mín.	0.6067	-9.1846	293.2013	4.4744	-170.7014
		Dif.	69.4330	101.0696	218.6185	4.1519	163.0474
0.325	6.565	Máx.	147.6605	89.9369	489.8318	1.2159	-5.2299
		Mín.	-6.2374	-8.3759	277.4578	-7.8643	-168.4104
		Dif.	153.8979	98.3128	212.3741	9.0802	163.1804
0.325	6.815	Máx.	306.8082	75.6812	523.2070	0.2968	-2.9142
		Mín.	76.4266	-4.6981	293.7423	-27.0721	-163.1663
		Dif.	230.3817	80.3793	229.4647	27.3690	160.2521
0.325	7.065	Máx.	355.5064	3.8033	486.4949	-9.9458	0.1264
		Mín.	60.4172	-13.1021	270.6577	-74.9236	-147.9608
		Dif.	295.0892	16.9055	215.8372	64.9778	148.0871
0.325	7.315	Máx.	439.1391	-9.4358	498.7089	-15.5291	6.9197
		Mín.	210.5531	-110.6984	283.0331	-90.5725	-105.7134
		Dif.	228.5860	101.2626	215.6758	75.0434	112.6331
0.325	7.565	Máx.	353.5772	-28.8187	447.2330	-16.2409	12.0211
		Mín.	219.7916	-133.4816	256.2601	-67.3181	-69.2859
		Dif.	133.7856	104.6629	190.9728	51.0772	81.3070
0.325	7.815	Máx.	388.0702	-30.5380	475.5316	-7.8422	11.9505
		Mín.	264.4957	-109.1587	273.2037	-34.4925	-51.5696
		Dif.	123.5745	78.6207	202.3278	26.6503	63.5201
0.325	8.065	Máx.	287.4984	-27.5127	435.8823	-6.9931	8.5939
		Mín.	192.6851	-87.0647	250.2917	-16.0850	-45.7165
		Dif.	94.8133	59.5520	185.5906	9.0919	54.3104
0.325	8.315	Máx.	330.7824	-26.8774	480.5358	4.0803	4.4788
		Mín.	196.3976	-83.7494	274.1385	-4.5702	-46.6675
		Dif.	134.3848	56.8720	206.3973	8.6505	51.1463



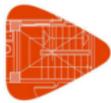
## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.325	8.565	Máx.	221.7954	-32.0913	465.9007	20.1426	1.7969
		Mín.	112.0331	-95.3241	266.1647	-8.8734	-53.2989
		Dif.	109.7623	63.2328	199.7360	29.0161	55.0958
0.325	8.815	Máx.	207.1134	-48.0020	532.5416	44.9771	2.0589
		Mín.	60.4382	-112.7710	300.9822	-5.7605	-68.3248
		Dif.	146.6752	64.7690	231.5593	50.7376	70.3836
0.325	9.065	Máx.	19.6853	-28.6316	552.8460	51.2304	4.4929
		Mín.	-99.9441	-58.5939	311.8893	-0.3404	-94.5062
		Dif.	119.6294	29.9623	240.9567	51.5708	98.9990
0.325	9.315	Máx.	56.3976	36.1320	600.8718	24.8272	5.8918
		Mín.	-27.6257	-18.5716	336.2933	4.7432	-103.4821
		Dif.	84.0233	54.7036	264.5785	20.0840	109.3739
0.325	9.565	Máx.	49.0126	53.3902	572.9787	8.9659	8.1881
		Mín.	-30.6316	-13.1354	319.9635	2.0639	-104.5465
		Dif.	79.6442	66.5256	253.0153	6.9020	112.7346
0.325	9.815	Máx.	153.0104	57.5674	610.0152	5.1690	10.9609
		Mín.	44.9402	-11.0297	337.7637	1.8034	-103.1233
		Dif.	108.0702	68.5972	272.2516	3.3656	114.0842
0.325	10.065	Máx.	168.1009	52.0187	571.6524	0.5067	14.1078
		Mín.	-15.9504	-12.9767	313.3679	-9.5051	-100.7091
		Dif.	184.0513	64.9954	258.2845	10.0119	114.8169
0.325	10.315	Máx.	292.8052	32.8973	614.9919	2.3158	17.1018
		Mín.	69.3179	-13.0984	336.3836	-23.5467	-95.7994
		Dif.	223.4874	45.9958	278.6083	25.8625	112.9012
0.325	10.565	Máx.	317.9418	3.8225	577.9559	-5.5004	19.6070
		Mín.	46.3917	-45.5294	316.4419	-61.2873	-82.8790
		Dif.	271.5501	49.3519	261.5140	55.7869	102.4860
0.325	10.815	Máx.	377.3100	3.3971	569.4779	-10.4078	24.6700
		Mín.	235.6216	-100.5887	317.1158	-58.1842	-48.9906
		Dif.	141.6884	103.9858	252.3621	47.7764	73.6606
0.325	11.065	Máx.	305.3142	-19.2975	497.5257	-11.2239	26.2929
		Mín.	205.4694	-84.9851	279.0346	-37.3152	-30.9514
		Dif.	99.8449	65.6876	218.4912	26.0914	57.2443
0.325	11.315	Máx.	391.1311	-27.3436	528.8457	-2.1045	22.9732
		Mín.	253.1273	-60.4605	297.3303	-17.3868	-24.7961
		Dif.	138.0038	33.1169	231.5154	15.2823	47.7693
0.325	11.565	Máx.	314.1758	-20.4626	488.6943	-1.7516	15.6064
		Mín.	204.2921	-36.9194	276.3716	-9.9975	-25.0051
		Dif.	109.8837	16.4568	212.3227	8.2459	40.6115
0.325	11.815	Máx.	384.7226	-6.1951	531.0620	2.5277	6.3541
		Mín.	238.0958	-19.3455	299.0492	-2.3767	-27.9442
		Dif.	146.6268	13.1504	232.0128	4.9044	34.2982
0.325	12.065	Máx.	282.1194	2.9449	489.7257	-0.9478	-2.0440
		Mín.	176.0695	-12.0633	275.9815	-4.9625	-31.4123
		Dif.	106.0499	15.0082	213.7442	4.0148	29.3682
0.325	12.315	Máx.	342.2630	1.2087	541.8706	3.8602	-7.3496
		Mín.	199.5580	-16.9087	303.1393	-5.7095	-34.7331
		Dif.	142.7050	18.1174	238.7313	9.5697	27.3835
0.325	12.565	Máx.	227.3781	-7.5325	526.8850	6.8161	-8.0656
		Mín.	126.4336	-31.7937	295.0203	-14.3364	-38.6189
		Dif.	100.9445	24.2612	231.8647	21.1525	30.5534



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.325	12.815	Máx.	214.0626	-14.5734	607.2942	16.7077	-4.1277
		Mín.	104.2506	-49.0632	336.7895	-9.9027	-44.7012
		Dif.	109.8120	34.4898	270.5047	26.6104	40.5734
0.325	13.065	Máx.	51.1541	0.9109	613.4160	16.0069	0.8834
		Mín.	-33.8445	-34.5343	338.3381	-3.2002	-51.8367
		Dif.	84.9986	35.4452	275.0779	19.2071	52.7200
0.325	13.315	Máx.	103.4635	22.9005	661.9636	9.5866	3.7126
		Mín.	11.2200	-12.6947	363.3120	3.5912	-53.4566
		Dif.	92.2434	35.5952	298.6516	5.9954	57.1692
0.325	13.565	Máx.	85.2687	28.4734	628.1525	3.7006	6.8063
		Mín.	-48.2443	-7.6360	344.4772	0.6800	-52.5954
		Dif.	133.5130	36.1094	283.6753	3.0206	59.4017
0.325	13.815	Máx.	159.1213	30.3941	665.9620	6.3887	10.0047
		Mín.	21.5019	-3.9346	363.5972	-0.6741	-50.9006
		Dif.	137.6194	34.3287	302.3648	7.0628	60.9053
0.325	14.065	Máx.	137.4218	24.4819	620.0236	2.2271	13.1081
		Mín.	-50.8852	-0.1342	337.1493	-10.3566	-48.1447
		Dif.	188.3070	24.6162	282.8743	12.5837	61.2527
0.325	14.315	Máx.	228.8705	25.5347	655.8167	4.1632	15.3752
		Mín.	56.1086	-2.9606	357.3222	-23.4563	-42.2438
		Dif.	172.7619	28.4954	298.4945	27.6196	57.6190
0.325	14.565	Máx.	229.9196	33.6030	575.1364	-9.1682	18.1242
		Mín.	112.0039	-33.2016	316.5834	-35.1870	-27.3373
		Dif.	117.9158	66.8046	258.5529	26.0188	45.4615
0.325	14.815	Máx.	346.6321	11.7118	580.0945	-8.2776	20.4011
		Mín.	225.8370	-43.3973	321.3138	-25.1351	-14.5390
		Dif.	120.7951	55.1091	258.7807	16.8576	34.9401
0.325	15.065	Máx.	289.1089	-6.9087	513.4410	-8.3790	18.9071
		Mín.	188.0088	-35.7042	285.9636	-17.9268	-9.1658
		Dif.	101.1001	28.7955	227.4774	9.5477	28.0729
0.325	15.315	Máx.	386.5723	-11.0803	549.9058	-1.4901	13.3990
		Mín.	237.6323	-24.7990	306.1158	-7.7400	-8.9177
		Dif.	148.9400	13.7187	243.7901	6.2499	22.3167
0.325	15.565	Máx.	312.2428	-2.3736	509.5511	-2.5640	5.1414
		Mín.	197.1926	-12.0699	285.3520	-6.7774	-11.4939
		Dif.	115.0502	9.6963	224.1991	4.2134	16.6353
0.325	15.815	Máx.	389.4917	10.5210	554.1423	-0.4722	-2.8099
		Mín.	236.9321	-0.7044	308.6565	-2.9811	-15.0039
		Dif.	152.5596	11.2253	245.4858	2.5089	12.1940
0.325	16.065	Máx.	282.9928	16.1234	513.1807	-4.7324	-7.2344
		Mín.	174.4206	0.8558	285.7557	-11.5676	-17.8055
		Dif.	108.5721	15.2677	227.4250	6.8352	10.5711
0.325	16.315	Máx.	333.4546	13.5501	574.4081	-3.0007	-7.4230
		Mín.	197.5623	-15.1802	317.4013	-13.6545	-19.1750
		Dif.	135.8923	28.7302	257.0068	10.6538	11.7520
0.325	16.565	Máx.	183.4069	5.9459	572.9432	-3.4073	-2.8455
		Mín.	105.0228	-42.3774	315.8520	-19.3411	-19.1219
		Dif.	78.3841	48.3232	257.0912	15.9337	16.2765
0.325	16.815	Máx.	162.9771	3.3078	670.3673	4.4941	4.1443
		Mín.	62.5910	-34.4859	366.0782	-6.3890	-18.9141
		Dif.	100.3861	37.7937	304.2891	10.8830	23.0584



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.325	17.065	Máx.	93.2156	7.6772	632.9112	2.3329	7.3927
		Mín.	-52.1802	-9.4990	344.3751	-3.6483	-18.3668
		Dif.	145.3957	17.1763	288.5361	5.9812	25.7594
0.325	17.315	Máx.	140.9479	7.7413	675.6028	5.5614	10.4162
		Mín.	13.3010	-9.4609	367.0321	0.7049	-16.9744
		Dif.	127.6469	17.2021	308.5707	4.8565	27.3907
0.325	17.565	Máx.	103.4598	7.3787	640.9266	2.5236	13.3438
		Mín.	-52.2299	-9.7457	348.5936	-1.3530	-15.4596
		Dif.	155.6897	17.1244	292.3329	3.8766	28.8034
0.325	17.815	Máx.	158.8350	7.9716	682.4030	5.6589	16.6327
		Mín.	17.4990	-7.6863	370.6718	-0.7529	-13.8670
		Dif.	141.3360	15.6579	311.7312	6.4118	30.4997
0.325	18.065	Máx.	115.3749	3.3760	637.3038	0.2848	20.2730
		Mín.	-57.9579	-5.7516	345.7607	-8.1675	-11.4457
		Dif.	173.3328	9.1276	291.5432	8.4523	31.7187
0.325	18.315	Máx.	190.9645	22.1207	671.7476	-1.1338	23.8669
		Mín.	58.6255	-18.8469	365.5986	-16.8909	-6.5847
		Dif.	132.3389	40.9676	306.1490	15.7571	30.4516
0.325	18.565	Máx.	204.8847	19.3749	568.1046	-11.0798	30.8088
		Mín.	128.9113	-33.7318	313.1002	-23.6559	4.9919
		Dif.	75.9734	53.1067	255.0044	12.5761	25.8169
0.325	18.815	Máx.	343.0357	-11.6258	577.8289	-5.4778	33.8489
		Mín.	210.8656	-32.9183	319.9933	-13.1245	10.0541
		Dif.	132.1701	21.2925	257.8356	7.6467	23.7948
0.325	19.065	Máx.	275.8039	-17.9134	515.0731	-4.5017	31.2761
		Mín.	172.1115	-31.7989	287.1711	-10.3765	10.5802
		Dif.	103.6924	13.8854	227.9020	5.8748	20.6959
0.325	19.315	Máx.	368.6663	-16.1746	552.7664	2.8463	24.1792
		Mín.	221.6715	-28.2627	308.0642	-3.1978	8.4679
		Dif.	146.9948	12.0881	244.7022	6.0441	15.7113
0.325	19.565	Máx.	295.4529	-8.1599	511.9240	2.6475	14.7014
		Mín.	184.3428	-14.2884	287.4131	-3.8127	4.2511
		Dif.	111.1102	6.1285	224.5110	6.4602	10.4503
0.325	19.815	Máx.	377.6253	5.0759	553.5181	7.0031	7.0054
		Mín.	229.1368	2.1662	309.4455	-1.0796	-1.3110
		Dif.	148.4885	2.9097	244.0726	8.0826	8.3164
0.325	20.065	Máx.	284.1292	19.9324	506.0960	0.0980	2.3702
		Mín.	179.8826	9.9458	283.4662	-5.3104	-11.3494
		Dif.	104.2466	9.9865	222.6298	5.4084	13.7196
0.325	20.315	Máx.	368.1155	28.6490	553.6814	-0.7679	-0.9791
		Mín.	228.4274	13.8474	308.4965	-5.3512	-19.4930
		Dif.	139.6880	14.8016	245.1850	4.5833	18.5139
0.325	20.565	Máx.	286.9326	34.4875	524.1618	-8.8892	-1.8505
		Mín.	186.0415	15.4738	292.6188	-14.4514	-24.2719
		Dif.	100.8912	19.0137	231.5430	5.5622	22.4214
0.325	20.815	Máx.	342.4474	41.7916	586.7565	-11.2641	1.1982
		Mín.	217.4696	0.1107	325.0850	-19.9143	-23.6898
		Dif.	124.9778	41.6809	261.6715	8.6502	24.8880
0.325	21.065	Máx.	204.4236	33.1486	577.2124	-16.0525	11.0370
		Mín.	105.5805	-34.7951	317.2016	-31.2675	-17.6177
		Dif.	98.8431	67.9437	260.0109	15.2149	28.6546



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.325	21.315	Máx.	211.7230	6.8080	677.6062	0.2597	25.8919
		Mín.	40.4338	-35.4376	368.9502	-22.4505	-10.5993
		Dif.	171.2893	42.2456	308.6561	22.7101	36.4912
0.325	21.565	Máx.	134.1741	-4.8403	648.8699	2.1076	31.5190
		Mín.	-64.3964	-13.9964	352.8474	-9.6875	-7.3194
		Dif.	198.5705	9.1561	296.0225	11.7952	38.8384
0.325	21.815	Máx.	154.3382	3.0541	688.1890	6.3987	34.0446
		Mín.	-6.0204	-17.2555	374.4165	-1.2060	-3.6339
		Dif.	160.3585	20.3096	313.7725	7.6047	37.6785
0.325	22.065	Máx.	77.7940	1.2535	642.2433	2.3253	36.1626
		Mín.	-92.3132	-19.7570	349.4926	-1.4517	1.0353
		Dif.	170.1072	21.0105	292.7507	3.7769	35.1273
0.325	22.315	Máx.	110.3761	-3.8651	684.9689	5.5128	38.3917
		Mín.	-20.8013	-23.3201	373.6152	1.8601	6.1479
		Dif.	131.1774	19.4550	311.3536	3.6527	32.2438
0.325	22.565	Máx.	60.5178	-0.2825	652.4053	3.4341	40.1622
		Mín.	-73.3943	-19.9057	357.6804	-0.8013	10.5170
		Dif.	133.9121	19.6232	294.7249	4.2354	29.6452
0.325	22.815	Máx.	118.4055	29.2805	685.6456	7.0910	40.8017
		Mín.	40.3677	-3.2938	376.8176	-5.7678	14.6555
		Dif.	78.0378	32.5743	308.8279	12.8588	26.1462
0.325	23.065	Máx.	154.9763	25.8732	569.3135	-3.7350	42.4189
		Mín.	88.5345	-4.0656	315.8156	-23.2399	21.8697
		Dif.	66.4418	29.9388	253.4979	19.5049	20.5492
0.325	23.315	Máx.	310.4496	-6.0977	576.9998	-3.2612	45.4471
		Mín.	182.3433	-25.4616	321.3376	-14.2842	25.0435
		Dif.	128.1063	19.3639	255.6622	11.0231	20.4036
0.325	23.565	Máx.	268.7855	-16.7426	522.9991	-3.9852	45.0275
		Mín.	163.1855	-37.8754	294.1999	-10.1915	25.2588
		Dif.	105.6001	21.1327	228.7992	6.2063	19.7686
0.325	23.815	Máx.	356.2463	-16.0890	555.3200	2.2473	40.9501
		Mín.	211.2231	-32.8025	311.5067	-2.7838	23.0670
		Dif.	145.0232	16.7135	243.8133	5.0312	17.8831
0.325	24.065	Máx.	263.7731	-12.8023	502.2763	2.6968	36.9147
		Mín.	162.6077	-24.1693	282.9289	-4.5311	17.7810
		Dif.	101.1654	11.3670	219.3474	7.2278	19.1337
0.325	24.315	Máx.	344.2933	-8.9727	540.9392	9.5130	33.2663
		Mín.	207.4306	-16.0009	303.3283	-0.9154	8.1538
		Dif.	136.8627	7.0282	237.6109	10.4284	25.1125
0.325	24.565	Máx.	273.1898	3.5629	501.7819	7.2793	29.0538
		Mín.	172.2688	-7.8167	282.9790	-2.6434	-3.1238
		Dif.	100.9211	11.3797	218.8028	9.9227	32.1776
0.325	24.815	Máx.	359.6891	20.3826	543.4415	10.1676	24.8684
		Mín.	221.1054	4.7330	304.8114	-0.4917	-15.0052
		Dif.	138.5837	15.6496	238.6301	10.6593	39.8735
0.325	25.065	Máx.	277.5998	33.7062	498.1163	2.8466	21.1523
		Mín.	179.7011	17.3830	279.8492	-5.6383	-26.0752
		Dif.	97.8986	16.3232	218.2670	8.4848	47.2275
0.325	25.315	Máx.	370.9731	46.1426	544.8492	1.7958	18.5532
		Mín.	236.0141	27.0630	304.6403	-7.6843	-34.9075
		Dif.	134.9590	19.0797	240.2088	9.4801	53.4608



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.325	25.565	Máx.	302.7586	59.4111	515.0140	-8.2952	18.6660
		Mín.	207.0747	37.0825	288.5655	-19.3702	-40.4352
		Dif.	95.6840	22.3287	226.4485	11.0750	59.1012
0.325	25.815	Máx.	370.1985	84.7535	571.9282	-11.8934	25.0986
		Mín.	254.0761	27.3410	318.2259	-32.9936	-40.9645
		Dif.	116.1224	57.4125	253.7023	21.1002	66.0631
0.325	26.065	Máx.	292.3829	88.9323	555.3749	-18.8996	43.1711
		Mín.	127.1197	-6.4766	305.8213	-57.1232	-35.4015
		Dif.	165.2632	95.4089	249.5536	38.2236	78.5726
0.325	26.315	Máx.	329.8840	30.9873	650.6059	-3.1849	73.6659
		Mín.	64.7361	-14.0919	354.3455	-50.9222	-27.1674
		Dif.	265.1479	45.0792	296.2604	47.7372	100.8333
0.325	26.565	Máx.	217.2260	9.9232	617.9599	0.2009	85.3329
		Mín.	-35.1584	-33.4098	335.7875	-22.1332	-23.2497
		Dif.	252.3844	43.3330	282.1724	22.3341	108.5826
0.325	26.815	Máx.	199.8662	15.1504	655.4986	5.2138	89.6924
		Mín.	26.3417	-47.1378	358.1198	-5.3815	-19.7229
		Dif.	173.5245	62.2882	297.3788	10.5953	109.4153
0.325	27.065	Máx.	84.2646	13.3851	610.3692	1.9872	92.1940
		Mín.	-51.7557	-50.6505	335.2752	-0.3831	-15.9454
		Dif.	136.0203	64.0356	275.0939	2.3703	108.1394
0.325	27.315	Máx.	76.3704	9.8089	650.2562	10.9181	93.8324
		Mín.	16.3615	-50.9100	359.5131	4.7356	-12.3654
		Dif.	60.0089	60.7188	290.7431	6.1825	106.1978
0.325	27.565	Máx.	10.3029	16.2125	616.4472	22.9056	92.5822
		Mín.	-57.2762	-30.4252	344.2600	1.3111	-9.9899
		Dif.	67.5792	46.6376	272.1872	21.5945	102.5721
0.325	27.815	Máx.	104.6563	68.4950	640.9454	51.6748	83.0993
		Mín.	-39.9008	37.3702	357.8531	0.7800	-8.7868
		Dif.	144.5570	31.1248	283.0923	50.8948	91.8861
0.325	28.065	Máx.	156.2948	122.4458	532.8510	38.4578	57.3946
		Mín.	39.3248	53.2162	299.0450	-13.9094	-4.9906
		Dif.	116.9700	69.2296	233.8060	52.3673	62.3852
0.325	28.315	Máx.	312.0595	99.6007	537.8185	17.9315	43.9903
		Mín.	166.9230	27.7088	300.6504	-9.0177	-3.5522
		Dif.	145.1365	71.8919	237.1680	26.9493	47.5425
0.325	28.565	Máx.	295.7819	92.0039	487.0981	-0.6955	37.8724
		Mín.	182.4640	21.3239	274.4964	-10.4589	-6.1128
		Dif.	113.3178	70.6800	212.6016	9.7634	43.9852
0.325	28.815	Máx.	411.1437	111.2625	523.5131	-6.4197	37.3451
		Mín.	260.0071	27.4139	293.9191	-18.1564	-10.5972
		Dif.	151.1365	83.8487	229.5940	11.7366	47.9422
0.325	29.065	Máx.	344.5265	145.9224	481.6925	-14.7522	45.5780
		Mín.	232.8878	29.0231	270.0357	-47.7307	-13.4353
		Dif.	111.6388	116.8993	211.6569	32.9785	59.0133
0.325	29.315	Máx.	458.4933	183.1164	543.0590	-17.2222	70.8489
		Mín.	281.1586	16.6033	302.3952	-85.8075	-11.3951
		Dif.	177.3346	166.5132	240.6638	68.5853	82.2439
0.325	29.565	Máx.	454.8837	91.3506	548.6093	-15.2168	124.1439
		Mín.	123.8468	8.5949	301.4744	-98.3503	-3.3904
		Dif.	331.0368	82.7557	247.1348	83.1335	127.5343



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.325	29.815	Máx.	417.5163	9.7877	587.8594	-2.4640	144.2306
		Mín.	148.4068	-43.0223	322.7399	-39.7885	-0.6527
		Dif.	269.1095	52.8100	265.1195	37.3245	144.8833
0.325	30.065	Máx.	242.5395	8.7933	539.6068	-2.3015	150.6165
		Mín.	48.6519	-74.7617	297.0104	-16.2638	1.3546
		Dif.	193.8876	83.5550	242.5964	13.9623	149.2619
0.325	30.315	Máx.	185.2039	4.1808	574.8773	3.2207	152.7117
		Mín.	91.7418	-84.1650	319.2116	0.5675	3.4826
		Dif.	93.4622	88.3458	255.6657	2.6532	149.2291
0.325	30.565	Máx.	51.8702	5.3482	543.6056	12.9565	152.8011
		Mín.	10.1119	-77.5041	305.9260	2.4893	4.9813
		Dif.	41.7583	82.8523	237.6796	10.4672	147.8198
0.325	30.815	Máx.	83.1582	17.2424	574.8489	37.6912	148.0953
		Mín.	-43.8135	-42.3502	324.3521	8.6689	4.9596
		Dif.	126.9717	59.5926	250.4969	29.0222	143.1357
0.325	31.065	Máx.	28.9436	104.4796	524.0649	80.9790	130.2904
		Mín.	-143.3787	55.8289	298.3005	10.2752	2.2560
		Dif.	172.3223	48.6507	225.7644	70.7038	128.0344
0.325	31.315	Máx.	189.8543	243.7492	505.3895	70.6808	85.1151
		Mín.	24.3131	83.3697	285.3210	5.1754	-3.3813
		Dif.	165.5412	160.3795	220.0686	65.5054	88.4964
0.325	31.565	Máx.	226.5537	275.8093	447.5540	16.3343	60.3440
		Mín.	133.0172	75.8802	255.0243	-6.5974	-7.2464
		Dif.	93.5365	199.9291	192.5297	22.9317	67.5904
0.325	31.815	Máx.	383.4971	302.1888	470.9055	-12.3178	63.0399
		Mín.	246.3304	72.1121	267.2418	-45.4420	-8.2074
		Dif.	137.1666	230.0767	203.6636	33.1242	71.2474
0.325	32.065	Máx.	432.0120	321.1889	433.5884	-26.9373	98.4867
		Mín.	208.1390	62.4305	244.7574	-120.0557	-3.3675
		Dif.	223.8730	258.7584	188.8309	93.1183	101.8543
0.325	32.315	Máx.	599.6692	155.1632	493.4820	-22.4633	175.9784
		Mín.	208.8762	32.3149	276.0645	-135.9965	9.6930
		Dif.	390.7931	122.8483	217.4175	113.5333	166.2854
0.325	32.565	Máx.	423.4281	8.6422	456.4312	-10.3744	206.6233
		Mín.	116.4703	-55.2557	254.5363	-60.2428	14.5976
		Dif.	306.9578	63.8979	201.8949	49.8684	192.0256
0.325	32.815	Máx.	312.6387	4.4176	483.5988	-1.1086	216.2604
		Mín.	132.5040	-106.8877	271.7242	-19.9053	16.4495
		Dif.	180.1347	111.3053	211.8746	18.7967	199.8108
0.325	33.065	Máx.	108.1739	3.5860	446.5987	-0.1337	219.3593
		Mín.	35.3438	-116.2964	254.2487	-1.3648	17.6870
		Dif.	72.8301	119.8824	192.3501	1.2311	201.6723
0.325	33.315	Máx.	57.1068	2.2850	472.1084	20.4191	219.8246
		Mín.	-36.4555	-113.2261	271.2041	5.8795	18.6854
		Dif.	93.5623	115.5111	200.9043	14.5396	201.1392
0.325	33.565	Máx.	-4.5962	15.2688	446.7682	52.8196	214.0939
		Mín.	-206.1468	-67.0708	261.2518	10.6718	17.8864
		Dif.	201.5506	82.3396	185.5164	42.1479	196.2076
0.325	33.815	Máx.	26.9687	125.9205	449.4443	120.6937	189.6760
		Mín.	-286.5393	66.0085	261.1138	24.5068	12.8497
		Dif.	313.5079	59.9120	188.3305	96.1868	176.8263



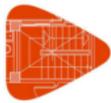
## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.325	34.065	Máx.	61.4920	290.4538	367.2196	107.5517	124.7469
		Mín.	-151.3456	103.7416	214.2427	16.6130	0.8761
		Dif.	212.8376	186.7122	152.9769	90.9387	123.8708
0.325	34.315	Máx.	157.8229	293.2862	352.2024	47.7347	87.4914
		Mín.	45.2327	92.1249	203.3588	8.9594	-7.1736
		Dif.	112.5902	201.1613	148.8436	38.7753	94.6651
0.325	34.565	Máx.	205.5142	288.9234	313.1441	1.7226	77.1784
		Mín.	128.2006	85.9297	182.6482	-12.3664	-12.4222
		Dif.	77.3136	202.9937	130.4959	14.0889	89.6006
0.325	34.815	Máx.	392.6502	321.7241	324.7103	-7.6261	91.7315
		Mín.	194.4668	88.8134	188.1171	-72.5361	-14.4720
		Dif.	198.1834	232.9107	136.5932	64.9100	106.2034
0.325	35.065	Máx.	490.2786	350.9574	288.4759	-21.2050	139.4171
		Mín.	161.5934	87.3329	165.2815	-152.1231	-10.9281
		Dif.	328.6852	263.6245	123.1944	130.9182	150.3452
0.325	35.315	Máx.	671.9139	161.9760	314.4651	-21.2994	231.8199
		Mín.	168.2751	55.7476	177.3416	-165.2697	0.4453
		Dif.	503.6387	106.2284	137.1236	143.9703	231.3746
0.325	35.565	Máx.	467.3943	24.5626	280.7370	-9.6751	266.6683
		Mín.	104.6643	-78.1579	156.9778	-72.6117	5.0023
		Dif.	362.7299	102.7205	123.7592	62.9366	261.6660
0.325	35.815	Máx.	300.6282	17.8548	288.7187	-1.9496	276.5080
		Mín.	87.4390	-135.3788	162.4599	-25.4248	6.6263
		Dif.	213.1892	153.2335	126.2588	23.4752	269.8817
0.325	36.065	Máx.	68.2589	16.7364	261.1995	0.7911	278.9860
		Mín.	1.2731	-143.9801	148.7782	-2.5773	7.6243
		Dif.	66.9858	160.7165	112.4212	3.3684	271.3617
0.325	36.315	Máx.	6.5135	15.1505	265.6743	21.7599	279.0128
		Mín.	-155.4813	-140.7246	152.5858	5.2890	8.5556
		Dif.	161.9948	155.8751	113.0885	16.4710	270.4572
0.325	36.565	Máx.	-40.5154	24.4277	249.7876	59.6177	272.8931
		Mín.	-361.0081	-93.0660	144.5950	11.6514	8.1788
		Dif.	320.4927	117.4937	105.1926	47.9663	264.7143
0.325	36.815	Máx.	-53.1731	111.3833	232.6802	136.2901	246.6145
		Mín.	-510.1141	59.9607	132.4240	25.9632	4.0678
		Dif.	456.9410	51.4226	100.2561	110.3269	242.5467
0.325	37.065	Máx.	-31.1362	259.5512	177.3051	124.6331	174.6608
		Mín.	-359.6915	90.9923	99.2620	24.0601	-7.8174
		Dif.	328.5552	168.5589	78.0431	100.5730	182.4782
0.325	37.315	Máx.	1.1831	200.2582	144.8354	67.1347	134.8716
		Mín.	-222.5423	76.3605	77.7903	17.9737	-15.5641
		Dif.	223.7254	123.8977	67.0451	49.1610	150.4356
0.325	37.565	Máx.	5.4759	120.2053	120.4446	30.3856	118.6223
		Mín.	-122.8786	60.5525	60.2346	14.3807	-20.7158
		Dif.	128.3545	59.6528	60.2100	16.0049	139.3381
0.325	37.815	Máx.	10.9250	68.4032	102.7321	18.3525	113.2727
		Mín.	-67.2831	40.3506	46.9896	8.6392	-24.7488
		Dif.	78.2081	28.0526	55.7425	9.7133	138.0215
0.325	38.065	Máx.	0.2775	43.3125	78.1008	18.2158	111.2804
		Mín.	-39.2938	15.3018	34.7698	2.9685	-28.6510
		Dif.	39.5713	28.0106	43.3310	15.2473	139.9314



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.325	38.315	Máx.	2.7257	31.8698	59.6067	21.1057	109.3106
		Mín.	-21.5345	-8.9031	29.3263	2.9457	-33.4529
		Dif.	24.2602	40.7729	30.2804	18.1600	142.7635
0.325	38.565	Máx.	3.1501	24.6308	41.4797	27.6504	106.6975
		Mín.	-17.4074	-27.1679	21.3627	4.0336	-41.3121
		Dif.	20.5574	51.7988	20.1170	23.6167	148.0096
0.515	0.325	Máx.	14.3515	55.9959	34.0925	37.0962	46.7764
		Mín.	-13.4776	-28.8126	12.2572	18.0694	-87.3407
		Dif.	27.8290	84.8085	21.8353	19.0267	134.1171
0.515	0.565	Máx.	14.3515	52.3327	34.0925	29.8360	45.6334
		Mín.	-13.4776	-32.6504	12.2572	12.6063	-93.9706
		Dif.	27.8290	84.9831	21.8353	17.2297	139.6040
0.515	0.815	Máx.	25.5057	49.5297	43.3482	22.5835	39.4943
		Mín.	-7.0259	-38.8590	21.0633	11.3799	-99.1002
		Dif.	32.5316	88.3887	22.2849	11.2037	138.5945
0.515	1.065	Máx.	34.0553	50.0185	55.3488	18.5035	36.0249
		Mín.	-2.8032	-45.4791	27.4880	8.7502	-104.9936
		Dif.	36.8586	95.4976	27.8608	9.7533	141.0186
0.515	1.315	Máx.	54.2660	52.2698	70.8676	16.0128	33.3962
		Mín.	7.8443	-50.5917	35.8661	7.1484	-110.3879
		Dif.	46.4217	102.8615	35.0015	8.8644	143.7841
0.515	1.565	Máx.	62.4512	54.4567	84.9290	13.7747	30.9554
		Mín.	16.4825	-53.7063	44.1602	4.6108	-114.8062
		Dif.	45.9686	108.1631	40.7688	9.1639	145.7616
0.515	1.815	Máx.	82.4082	57.2112	101.8664	12.0510	28.4701
		Mín.	28.8608	-54.8208	53.7998	3.3099	-118.1680
		Dif.	53.5474	112.0320	48.0666	8.7411	146.6381
0.515	2.065	Máx.	84.9342	57.2461	115.7440	9.9916	26.0914
		Mín.	33.9252	-56.7012	62.2300	0.3867	-120.2572
		Dif.	51.0089	113.9474	53.5139	9.6048	146.3486
0.515	2.315	Máx.	109.3925	57.8315	134.7450	9.1602	23.4823
		Mín.	50.6714	-56.6348	73.3857	-0.4813	-121.4699
		Dif.	58.7211	114.4663	61.3594	9.6416	144.9521
0.515	2.565	Máx.	110.8613	59.0600	148.7956	7.6454	20.6272
		Mín.	56.4669	-54.8713	82.3789	-3.3646	-121.9166
		Dif.	54.3944	113.9314	66.4168	11.0100	142.5439
0.515	2.815	Máx.	133.4324	61.1845	167.1649	7.5972	17.5170
		Mín.	72.6593	-51.1078	93.3736	-4.4989	-121.6298
		Dif.	60.7731	112.2922	73.7913	12.0961	139.1469
0.515	3.065	Máx.	124.9630	59.8095	178.6815	5.9824	14.5214
		Mín.	71.5263	-49.4493	100.8890	-8.0637	-120.2652
		Dif.	53.4367	109.2588	77.7925	14.0461	134.7865
0.515	3.315	Máx.	151.4781	57.5852	197.8503	6.7955	11.2870
		Mín.	92.3268	-46.6013	112.5879	-8.6820	-118.1331
		Dif.	59.1513	104.1865	85.2624	15.4774	129.4200
0.515	3.565	Máx.	143.1772	55.4283	209.1874	5.3626	7.7539
		Mín.	93.1381	-42.1972	120.4152	-11.7458	-115.3958
		Dif.	50.0392	97.6255	88.7721	17.1084	123.1497
0.515	3.815	Máx.	170.8067	53.1955	227.6216	5.9512	3.8510
		Mín.	111.0783	-35.4147	131.8280	-12.0458	-112.1423
		Dif.	59.7284	88.6102	95.7936	17.9970	115.9933



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.515	4.065	Máx.	152.9078	45.5572	236.1002	3.1972	0.0697
		Mín.	100.8734	-31.6939	137.8825	-15.0777	-108.0626
		Dif.	52.0344	77.2511	98.2178	18.2749	108.1323
0.515	4.315	Máx.	184.4002	32.9584	255.8525	3.5942	-3.9048
		Mín.	117.7379	-28.4199	150.1998	-13.3211	-103.6075
		Dif.	66.6623	61.3784	105.6527	16.9153	99.7027
0.515	4.565	Máx.	166.0425	17.6662	266.7240	0.4363	-8.2623
		Mín.	105.2417	-26.9464	157.9688	-12.4590	-99.5678
		Dif.	60.8007	44.6126	108.7552	12.8953	91.3054
0.515	4.815	Máx.	187.2147	-3.8609	290.3132	1.3026	-13.3494
		Mín.	110.8270	-29.4271	172.3439	-4.8526	-97.1797
		Dif.	76.3877	25.5662	117.9693	6.1552	83.8304
0.515	5.065	Máx.	143.7818	-28.5040	308.2193	8.2176	-19.3621
		Mín.	70.1366	-54.2754	183.8023	-4.2828	-98.5735
		Dif.	73.6452	25.7715	124.4170	12.5004	79.2114
0.515	5.315	Máx.	149.6967	-51.0806	354.9993	33.9004	-27.7252
		Mín.	16.6555	-97.6395	211.4160	-1.7649	-108.3385
		Dif.	133.0412	46.5589	143.5834	35.6653	80.6133
0.515	5.565	Máx.	59.3436	-57.4583	430.6271	60.4557	-34.7717
		Mín.	-142.9803	-104.3455	256.4563	1.7071	-128.9564
		Dif.	202.3239	46.8871	174.1708	58.7486	94.1847
0.515	5.815	Máx.	-20.3436	-2.8806	547.7021	59.7039	-26.7093
		Mín.	-250.3941	-46.4572	322.4517	10.3954	-139.1322
		Dif.	230.0506	43.5765	225.2504	49.3084	112.4229
0.515	6.065	Máx.	-22.6502	75.5946	519.5320	24.9472	-11.5966
		Mín.	-136.5909	-13.6259	297.3381	4.9866	-119.0135
		Dif.	113.9407	89.2204	222.1939	19.9606	107.4169
0.515	6.315	Máx.	56.0932	91.8850	505.6759	8.6262	-6.0662
		Mín.	-12.8070	-9.1846	277.9350	4.4744	-111.9951
		Dif.	68.9003	101.0696	227.7409	4.1519	105.9289
0.515	6.565	Máx.	151.2456	89.9369	478.9522	1.2159	-2.7124
		Mín.	-2.0476	-8.3759	249.9395	-7.8643	-109.5194
		Dif.	153.2933	98.3128	229.0127	9.0802	106.8070
0.515	6.815	Máx.	305.0155	75.6812	476.9020	0.2968	1.8608
		Mín.	60.3871	-4.6981	223.8314	-27.0721	-109.2408
		Dif.	244.6284	80.3793	253.0706	27.3690	111.1016
0.515	7.065	Máx.	424.7502	3.8033	472.4785	-9.9458	15.9512
		Mín.	66.4975	-13.1021	185.4540	-74.9236	-108.6887
		Dif.	358.2527	16.9055	287.0245	64.9778	124.6399
0.515	7.315	Máx.	457.8028	-9.4358	399.6097	-15.5291	30.1832
		Mín.	208.2946	-110.6984	173.5164	-90.5725	-74.6114
		Dif.	249.5081	101.2626	226.0933	75.0434	104.7947
0.515	7.565	Máx.	348.4564	-28.8187	344.9422	-16.2409	26.2917
		Mín.	230.1391	-133.4816	170.2891	-67.3181	-50.2880
		Dif.	118.3173	104.6629	174.6531	51.0772	76.5797
0.515	7.815	Máx.	360.3545	-30.5380	344.6600	-7.8422	15.9391
		Mín.	244.4831	-109.1587	183.4630	-34.4925	-42.9348
		Dif.	115.8714	78.6207	161.1969	26.6503	58.8739
0.515	8.065	Máx.	292.8986	-27.5127	341.4153	-6.9931	5.7262
		Mín.	193.2014	-87.0647	186.7505	-16.0850	-42.7459
		Dif.	99.6971	59.5520	154.6649	9.0919	48.4720



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.515	8.315	Máx.	312.6023	-26.8774	366.9443	4.0803	-4.9906
		Mín.	185.7769	-83.7494	204.0080	-4.5702	-47.3855
		Dif.	126.8254	56.8720	162.9363	8.6505	42.3949
0.515	8.565	Máx.	237.0176	-32.0913	388.5313	20.1426	-17.9799
		Mín.	123.0155	-95.3241	218.0012	-8.8734	-58.5211
		Dif.	114.0021	63.2328	170.5301	29.0161	40.5412
0.515	8.815	Máx.	203.5203	-48.0020	458.0860	44.9771	-32.6730
		Mín.	53.4045	-112.7710	256.9018	-5.7605	-78.5079
		Dif.	150.1158	64.7690	201.1843	50.7376	45.8349
0.515	9.065	Máx.	9.4055	-28.6316	604.5032	51.2304	-22.7129
		Mín.	-168.7857	-58.5939	338.3068	-0.3404	-94.8918
		Dif.	178.1913	29.9623	266.1963	51.5708	72.1789
0.515	9.315	Máx.	38.0946	36.1320	602.9497	24.8272	-2.8186
		Mín.	-57.2590	-18.5716	331.2582	4.7432	-75.9451
		Dif.	95.3536	54.7036	271.6916	20.0840	73.1265
0.515	9.565	Máx.	48.3116	53.3902	582.2169	8.9659	3.5986
		Mín.	-26.5788	-13.1354	313.2065	2.0639	-69.4562
		Dif.	74.8904	66.5256	269.0103	6.9020	73.0548
0.515	9.815	Máx.	137.8684	57.5674	580.6909	5.1690	6.8924
		Mín.	28.0976	-11.0297	304.1030	1.8034	-66.7960
		Dif.	109.7708	68.5972	276.5879	3.3656	73.6884
0.515	10.065	Máx.	176.1428	52.0187	570.1782	0.5067	10.6164
		Mín.	-5.1711	-12.9767	275.5394	-9.5051	-65.3507
		Dif.	181.3139	64.9954	294.6388	10.0119	75.9671
0.515	10.315	Máx.	291.3658	32.8973	586.2510	2.3158	17.9618
		Mín.	51.4550	-13.0984	260.1948	-23.5467	-63.9547
		Dif.	239.9108	45.9958	326.0563	25.8625	81.9165
0.515	10.565	Máx.	381.8145	3.8225	588.1708	-5.5004	40.6138
		Mín.	42.2341	-45.5294	242.6260	-61.2873	-59.1108
		Dif.	339.5804	49.3519	345.5449	55.7869	99.7245
0.515	10.815	Máx.	357.2072	3.3971	456.4100	-10.4078	54.7295
		Mín.	230.4684	-100.5887	213.3018	-58.1842	-25.2160
		Dif.	126.7388	103.9858	243.1082	47.7764	79.9455
0.515	11.065	Máx.	313.8905	-19.2975	399.9233	-11.2239	40.3549
		Mín.	209.8338	-84.9851	201.8262	-37.3152	-19.3304
		Dif.	104.0568	65.6876	198.0970	26.0914	59.6853
0.515	11.315	Máx.	363.9513	-27.3436	396.1803	-2.1045	27.1718
		Mín.	233.5687	-60.4605	210.9562	-17.3868	-19.5837
		Dif.	130.3825	33.1169	185.2240	15.2823	46.7554
0.515	11.565	Máx.	315.3505	-20.4626	386.2812	-1.7516	15.2404
		Mín.	201.4581	-36.9194	209.3265	-9.9975	-22.2679
		Dif.	113.8924	16.4568	176.9548	8.2459	37.5083
0.515	11.815	Máx.	354.9765	-6.1951	400.7613	2.5277	3.5478
		Mín.	219.2183	-19.3455	219.1907	-2.3767	-26.2116
		Dif.	135.7582	13.1504	181.5705	4.9044	29.7594
0.515	12.065	Máx.	291.5349	2.9449	397.0933	-0.9478	-7.8408
		Mín.	180.1602	-12.0633	217.7969	-4.9625	-30.8516
		Dif.	111.3747	15.0082	179.2964	4.0148	23.0108
0.515	12.315	Máx.	325.7031	1.2087	423.4099	3.8602	-18.8452
		Mín.	190.2644	-16.9087	231.5785	-5.7095	-36.8558
		Dif.	135.4387	18.1174	191.8313	9.5697	18.0106



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.515	12.565	Máx.	248.7715	-7.5325	447.3658	6.8161	-27.8928
		Mín.	138.0767	-31.7937	243.5437	-14.3364	-48.7472
		Dif.	110.6949	24.2612	203.8221	21.1525	20.8543
0.515	12.815	Máx.	203.1101	-14.5734	538.3228	16.7077	-33.5051
		Mín.	91.4884	-49.0632	289.6900	-9.9027	-60.3900
		Dif.	111.6218	34.4898	248.6328	26.6104	26.8849
0.515	13.065	Máx.	39.8776	0.9109	652.7926	16.0069	-23.0457
		Mín.	-49.9702	-34.5343	346.9366	-3.2002	-53.8417
		Dif.	89.8478	35.4452	305.8560	19.2071	30.7960
0.515	13.315	Máx.	86.1625	22.9005	654.2224	9.5866	-3.7776
		Mín.	-10.6221	-12.6947	344.3210	3.5912	-39.6073
		Dif.	96.7846	35.5952	309.9014	5.9954	35.8297
0.515	13.565	Máx.	86.9236	28.4734	638.0375	3.7006	3.1801
		Mín.	-41.1405	-7.6360	331.7151	0.6800	-34.9336
		Dif.	128.0641	36.1094	306.3224	3.0206	38.1138
0.515	13.815	Máx.	143.8276	30.3941	648.1231	6.3887	7.6251
		Mín.	2.1683	-3.9346	325.2403	-0.6741	-32.7394
		Dif.	141.6594	34.3287	322.8828	7.0628	40.3644
0.515	14.065	Máx.	146.4992	24.4819	639.7247	2.2271	14.9458
		Mín.	-43.4396	-0.1342	306.8276	-10.3566	-29.9559
		Dif.	189.9388	24.6162	332.8971	12.5837	44.9017
0.515	14.315	Máx.	230.2148	25.5347	656.3393	4.1632	35.8708
		Mín.	18.7875	-2.9606	307.0516	-23.4563	-22.1825
		Dif.	211.4272	28.4954	349.2878	27.6196	58.0533
0.515	14.565	Máx.	247.5524	33.6030	527.6141	-9.1682	51.1455
		Mín.	133.2594	-33.2016	255.3458	-35.1870	-5.6333
		Dif.	114.2930	66.8046	272.2683	26.0188	56.7788
0.515	14.815	Máx.	333.4323	11.7118	458.2045	-8.2776	42.7870
		Mín.	215.3763	-43.3973	235.4883	-25.1351	-0.4560
		Dif.	118.0560	55.1091	222.7162	16.8576	43.2430
0.515	15.065	Máx.	303.2611	-6.9087	416.5013	-8.3790	28.8608
		Mín.	192.8868	-35.7042	221.3169	-17.9268	-2.5501
		Dif.	110.3743	28.7955	195.1844	9.5477	31.4109
0.515	15.315	Máx.	360.8520	-11.0803	418.4862	-1.4901	16.5844
		Mín.	221.0631	-24.7990	225.0350	-7.7400	-6.0235
		Dif.	139.7889	13.7187	193.4512	6.2499	22.6080
0.515	15.565	Máx.	315.9051	-2.3736	407.1885	-2.5640	4.7366
		Mín.	196.3933	-12.0699	220.6055	-6.7774	-10.3220
		Dif.	119.5118	9.6963	186.5830	4.2134	15.0585
0.515	15.815	Máx.	361.5008	10.5210	421.3449	-0.4722	-5.6646
		Mín.	219.3234	-0.7044	228.1773	-2.9811	-15.2551
		Dif.	142.1774	11.2253	193.1676	2.5089	9.5905
0.515	16.065	Máx.	297.1050	16.1234	419.0102	-4.7324	-12.2094
		Mín.	180.4497	0.8558	225.8172	-11.5676	-25.1567
		Dif.	116.6552	15.2677	193.1930	6.8352	12.9473
0.515	16.315	Máx.	322.7088	13.5501	455.7052	-3.0007	-18.7520
		Mín.	190.0322	-15.1802	242.9924	-13.6545	-38.2322
		Dif.	132.6766	28.7302	212.7128	10.6538	19.4802
0.515	16.565	Máx.	209.2367	5.9459	511.5733	-3.4073	-23.8378
		Mín.	116.5976	-42.3774	268.7909	-19.3411	-50.3062
		Dif.	92.6390	48.3232	242.7823	15.9337	26.4685



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.515	16.815	Máx.	144.4687	3.3078	671.1545	4.4941	-13.3344
		Mín.	19.8316	-34.4859	341.6214	-6.3890	-36.0346
		Dif.	124.6371	37.7937	329.5331	10.8830	22.7001
0.515	17.065	Máx.	97.9058	7.6772	654.4639	2.3329	-0.4240
		Mín.	-45.2264	-9.4990	328.7213	-3.6483	-16.0796
		Dif.	143.1322	17.1763	325.7427	5.9812	15.6556
0.515	17.315	Máx.	126.8235	7.7413	663.4396	5.5614	5.5104
		Mín.	-3.9651	-9.4609	331.9956	0.7049	-11.8543
		Dif.	130.7886	17.2021	331.4439	4.8565	17.3647
0.515	17.565	Máx.	106.1386	7.3787	655.5777	2.5236	8.6609
		Mín.	-43.1234	-9.7457	324.6008	-1.3530	-9.9594
		Dif.	149.2620	17.1244	330.9769	3.8766	18.6204
0.515	17.815	Máx.	143.4572	7.9716	669.6633	5.6589	12.7125
		Mín.	-2.1030	-7.6863	329.2652	-0.7529	-8.3507
		Dif.	145.5602	15.6579	340.3981	6.4118	21.0633
0.515	18.065	Máx.	123.7467	3.3760	664.3142	0.2848	21.8690
		Mín.	-50.2096	-5.7516	322.3685	-8.1675	-4.5633
		Dif.	173.9563	9.1276	341.9457	8.4523	26.4323
0.515	18.315	Máx.	187.4783	22.1207	685.9898	-1.1338	50.8624
		Mín.	20.0898	-18.8469	333.9508	-16.8909	8.4464
		Dif.	167.3885	40.9676	352.0390	15.7571	42.4159
0.515	18.565	Máx.	221.7425	19.3749	492.8679	-11.0798	67.8572
		Mín.	144.0446	-33.7318	253.4854	-23.6559	23.7906
		Dif.	77.6979	53.1067	239.3825	12.5761	44.0666
0.515	18.815	Máx.	327.5212	-11.6258	453.4648	-5.4778	49.8184
		Mín.	199.8232	-32.9183	241.5383	-13.1245	17.5518
		Dif.	127.6979	21.2925	211.9264	7.6467	32.2666
0.515	19.065	Máx.	288.6402	-17.9134	423.1941	-4.5017	35.9102
		Mín.	177.2771	-31.7989	228.0984	-10.3765	12.4567
		Dif.	111.3630	13.8854	195.0956	5.8748	23.4535
0.515	19.315	Máx.	342.5166	-16.1746	427.9714	2.8463	24.2908
		Mín.	206.2969	-28.2627	232.1880	-3.1978	8.3029
		Dif.	136.2197	12.0881	195.7835	6.0441	15.9879
0.515	19.565	Máx.	297.8319	-8.1599	416.1852	2.6475	13.2539
		Mín.	183.9062	-14.2884	226.8429	-3.8127	3.9441
		Dif.	113.9258	6.1285	189.3423	6.4602	9.3098
0.515	19.815	Máx.	346.4459	5.0759	426.4498	7.0031	5.9615
		Mín.	210.5847	2.1662	232.1704	-1.0796	-1.5772
		Dif.	135.8612	2.9097	194.2794	8.0826	7.5387
0.515	20.065	Máx.	291.2509	19.9324	414.4675	0.0980	1.6484
		Mín.	181.8048	9.9458	225.1229	-5.3104	-11.8450
		Dif.	109.4461	9.9865	189.3446	5.4084	13.4934
0.515	20.315	Máx.	343.6198	28.6490	428.7952	-0.7679	-2.3555
		Mín.	212.5304	13.8474	231.4528	-5.3512	-22.0397
		Dif.	131.0894	14.8016	197.3424	4.5833	19.6841
0.515	20.565	Máx.	298.4274	34.4875	428.5945	-8.8892	-6.3113
		Mín.	189.4404	15.4738	229.2426	-14.4514	-32.8973
		Dif.	108.9870	19.0137	199.3519	5.5622	26.5860
0.515	20.815	Máx.	330.2705	41.7916	466.2903	-11.2641	-9.8651
		Mín.	207.8885	0.1107	243.0778	-19.9143	-45.5323
		Dif.	122.3819	41.6809	223.2125	8.6502	35.6672



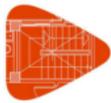
## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.515	21.065	Máx.	223.1029	33.1486	525.6128	-16.0525	-9.3122
		Mín.	132.7962	-34.7951	259.3885	-31.2675	-55.9441
		Dif.	90.3067	67.9437	266.2244	15.2149	46.6320
0.515	21.315	Máx.	211.7083	6.8080	691.5495	0.2597	8.5659
		Mín.	-0.8155	-35.4376	326.0926	-22.4505	-37.6040
		Dif.	212.5238	42.2456	365.4569	22.7101	46.1700
0.515	21.565	Máx.	140.3115	-4.8403	675.5054	2.1076	18.5661
		Mín.	-61.5150	-13.9964	322.4503	-9.6875	-12.5805
		Dif.	201.8264	9.1561	353.0551	11.7952	31.1466
0.515	21.815	Máx.	139.0783	3.0541	681.9628	6.3987	21.4182
		Mín.	-25.4842	-17.2555	334.6636	-1.2060	-4.3525
		Dif.	164.5624	20.3096	347.2992	7.6047	25.7707
0.515	22.065	Máx.	83.2130	1.2535	669.5047	2.3253	23.3049
		Mín.	-79.2192	-19.7570	335.0272	-1.4517	0.6348
		Dif.	162.4322	21.0105	334.4775	3.7769	22.6701
0.515	22.315	Máx.	96.4430	-3.8651	682.8698	5.5128	26.0305
		Mín.	-36.9803	-23.3201	350.7352	1.8601	6.0908
		Dif.	133.4233	19.4550	332.1346	3.6527	19.9397
0.515	22.565	Máx.	60.9959	-0.2825	680.6405	3.4341	31.6241
		Mín.	-69.5427	-19.9057	356.5499	-0.8013	14.7908
		Dif.	130.5386	19.6232	324.0906	4.2354	16.8333
0.515	22.815	Máx.	91.9271	29.2805	705.7137	7.0910	56.6096
		Mín.	0.7413	-3.2938	372.8113	-5.7678	32.1529
		Dif.	91.1858	32.5743	332.9025	12.8588	24.4567
0.515	23.065	Máx.	189.4992	25.8732	504.2015	-3.7350	75.6697
		Mín.	109.1188	-4.0656	270.6226	-23.2399	41.8548
		Dif.	80.3804	29.9388	233.5789	19.5049	33.8149
0.515	23.315	Máx.	302.4272	-6.0977	463.0900	-3.2612	59.4484
		Mín.	177.7137	-25.4616	251.4970	-14.2842	32.7272
		Dif.	124.7135	19.3639	211.5929	11.0231	26.7213
0.515	23.565	Máx.	280.2848	-16.7426	432.9481	-3.9852	47.2002
		Mín.	168.6714	-37.8754	237.2584	-10.1915	26.3729
		Dif.	111.6134	21.1327	195.6896	6.2063	20.8274
0.515	23.815	Máx.	330.0253	-16.0890	434.6364	2.2473	37.1867
		Mín.	196.6855	-32.8025	238.7426	-2.7838	21.4623
		Dif.	133.3398	16.7135	195.8938	5.0312	15.7244
0.515	24.065	Máx.	271.4722	-12.8023	417.8157	2.6968	31.6668
		Mín.	166.3740	-24.1693	229.8302	-4.5311	16.4399
		Dif.	105.0983	11.3670	187.9855	7.2278	15.2270
0.515	24.315	Máx.	317.7679	-8.9727	425.8524	9.5130	28.4762
		Mín.	192.4273	-16.0009	233.7881	-0.9154	7.6504
		Dif.	125.3406	7.0282	192.0642	10.4284	20.8258
0.515	24.565	Máx.	275.6545	3.5629	414.2190	7.2793	25.0997
		Mín.	172.0716	-7.8167	227.2295	-2.6434	-2.1825
		Dif.	103.5829	11.3797	186.9896	9.9227	27.2822
0.515	24.815	Máx.	328.8469	20.3826	422.8972	10.1676	21.7479
		Mín.	202.5120	4.7330	230.8059	-0.4917	-12.6126
		Dif.	126.3349	15.6496	192.0913	10.6593	34.3605
0.515	25.065	Máx.	282.8874	33.7062	409.0310	2.8466	18.5892
		Mín.	180.0706	17.3830	221.8523	-5.6383	-22.9283
		Dif.	102.8168	16.3232	187.1787	8.4848	41.5175



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.515	25.315	Máx.	343.5872	46.1426	419.7302	1.7958	15.6031
		Mín.	217.3512	27.0630	225.4365	-7.6843	-32.9300
		Dif.	126.2360	19.0797	194.2936	9.4801	48.5331
0.515	25.565	Máx.	308.6138	59.4111	416.7231	-8.2952	13.0172
		Mín.	205.8791	37.0825	217.1359	-19.3702	-43.5796
		Dif.	102.7347	22.3287	199.5872	11.0750	56.5969
0.515	25.815	Máx.	351.4980	84.7535	448.0187	-11.8934	12.2959
		Mín.	239.3101	27.3410	221.3116	-32.9936	-55.7734
		Dif.	112.1879	57.4125	226.7071	21.1002	68.0694
0.515	26.065	Máx.	304.9531	88.9323	494.1334	-18.8996	18.6461
		Mín.	161.2592	-6.4766	222.8054	-57.1232	-67.0152
		Dif.	143.6940	95.4089	271.3280	38.2236	85.6613
0.515	26.315	Máx.	363.8031	30.9873	657.4584	-3.1849	49.5878
		Mín.	30.2560	-14.0919	272.3996	-50.9222	-48.0183
		Dif.	333.5471	45.0792	385.0588	47.7372	97.6061
0.515	26.565	Máx.	232.6154	9.9232	635.5013	0.2009	56.2019
		Mín.	-30.4765	-33.4098	278.9598	-22.1332	-22.4894
		Dif.	263.0919	43.3330	356.5415	22.3341	78.6913
0.515	26.815	Máx.	186.1869	15.1504	636.5854	5.2138	57.9898
		Mín.	7.6946	-47.1378	306.4415	-5.3815	-14.4500
		Dif.	178.4923	62.2882	330.1439	10.5953	72.4397
0.515	27.065	Máx.	89.1380	13.3851	620.5701	1.9872	59.6721
		Mín.	-39.7320	-50.6505	322.5854	-0.3831	-10.1659
		Dif.	128.8700	64.0356	297.9847	2.3703	69.8381
0.515	27.315	Máx.	59.9077	9.8089	639.3502	10.9181	62.7477
		Mín.	-0.2951	-50.9100	342.6514	4.7356	-5.9652
		Dif.	60.2028	60.7188	296.6988	6.1825	68.7128
0.515	27.565	Máx.	8.0203	16.2125	640.7588	22.9056	69.0755
		Mín.	-74.1724	-30.4252	351.9968	1.3111	0.9804
		Dif.	82.1926	46.6376	288.7620	21.5945	68.0951
0.515	27.815	Máx.	63.7450	68.4950	659.3510	51.6748	87.4736
		Mín.	-127.5535	37.3702	368.5203	0.7800	22.4780
		Dif.	191.2985	31.1248	290.8306	50.8948	64.9956
0.515	28.065	Máx.	185.1301	122.4458	473.5167	38.4578	70.3502
		Mín.	53.9148	53.2162	264.3838	-13.9094	34.0350
		Dif.	131.2153	69.2296	209.1329	52.3673	36.3153
0.515	28.315	Máx.	301.7016	99.6007	423.2479	17.9315	51.1035
		Mín.	162.7221	27.7088	234.6531	-9.0177	17.4651
		Dif.	138.9794	71.8919	188.5947	26.9493	33.6384
0.515	28.565	Máx.	303.9185	92.0039	385.8423	-0.6955	40.4084
		Mín.	184.2467	21.3239	211.6823	-10.4589	2.9156
		Dif.	119.6717	70.6800	174.1600	9.7634	37.4928
0.515	28.815	Máx.	380.3994	111.2625	381.9666	-6.4197	35.5610
		Mín.	238.1782	27.4139	205.2968	-18.1564	-10.3807
		Dif.	142.2212	83.8487	176.6698	11.7366	45.9417
0.515	29.065	Máx.	345.0254	145.9224	373.5619	-14.7522	36.4019
		Mín.	231.0788	29.0231	184.3274	-47.7307	-24.0796
		Dif.	113.9467	116.8993	189.2344	32.9785	60.4815
0.515	29.315	Máx.	424.0140	183.1164	413.6103	-17.2222	46.9579
		Mín.	270.0405	16.6033	179.2167	-85.8075	-38.9112
		Dif.	153.9736	166.5132	234.3936	68.5853	85.8691



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.515	29.565	Máx.	567.8564	91.3506	530.6418	-15.2168	98.7914
		Mín.	133.2558	8.5949	181.1664	-98.3503	-24.2176
		Dif.	434.6006	82.7557	349.4754	83.1335	123.0090
0.515	29.815	Máx.	425.0993	9.7877	531.8318	-2.4640	99.2847
		Mín.	131.0235	-43.0223	207.9924	-39.7885	-5.7241
		Dif.	294.0758	52.8100	323.8394	37.3245	105.0088
0.515	30.065	Máx.	253.3563	8.7933	517.4648	-2.3015	98.5662
		Mín.	59.7372	-74.7617	236.0099	-16.2638	-0.3556
		Dif.	193.6191	83.5550	281.4549	13.9623	98.9218
0.515	30.315	Máx.	170.9963	4.1808	529.0796	3.2207	99.0963
		Mín.	76.9546	-84.1650	279.1346	0.5675	2.4725
		Dif.	94.0417	88.3458	249.9451	2.6532	96.6238
0.515	30.565	Máx.	50.8596	5.3482	540.6415	12.9565	101.2978
		Mín.	7.6355	-77.5041	297.9645	2.4893	4.9313
		Dif.	43.2241	82.8523	242.6770	10.4672	96.3665
0.515	30.815	Máx.	58.6497	17.2424	568.5228	37.6912	106.9499
		Mín.	-86.3274	-42.3502	324.5586	8.6689	9.4498
		Dif.	144.9771	59.5926	243.9642	29.0222	97.5001
0.515	31.065	Máx.	6.6651	104.4796	570.3781	80.9790	123.5152
		Mín.	-258.2420	55.8289	334.3920	10.2752	24.4939
		Dif.	264.9070	48.6507	235.9861	70.7038	99.0213
0.515	31.315	Máx.	179.5019	243.7492	438.4012	70.6808	90.9477
		Mín.	-12.5878	83.3697	253.0562	5.1754	25.3404
		Dif.	192.0897	160.3795	185.3449	65.5054	65.6072
0.515	31.565	Máx.	233.4458	275.8093	361.7778	16.3343	64.2040
		Mín.	132.6655	75.8802	203.8690	-6.5974	7.7654
		Dif.	100.7803	199.9291	157.9088	22.9317	56.4386
0.515	31.815	Máx.	357.3906	302.1888	335.9224	-12.3178	57.8458
		Mín.	228.3452	72.1121	181.2046	-45.4420	-8.4889
		Dif.	129.0454	230.0767	154.7178	33.1242	66.3347
0.515	32.065	Máx.	433.0588	321.1889	331.1124	-26.9373	75.1295
		Mín.	225.7739	62.4305	142.9720	-120.0557	-20.8184
		Dif.	207.2849	258.7584	188.1404	93.1183	95.9480
0.515	32.315	Máx.	751.3619	155.1632	417.0655	-22.4633	147.0688
		Mín.	214.8670	32.3149	126.0916	-135.9965	-5.1118
		Dif.	536.4949	122.8483	290.9739	113.5333	152.1806
0.515	32.565	Máx.	468.1315	8.6422	405.8259	-10.3744	144.2258
		Mín.	127.2952	-55.2557	149.1569	-60.2428	7.1368
		Dif.	340.8363	63.8979	256.6691	49.8684	137.0891
0.515	32.815	Máx.	304.9575	4.4176	415.3119	-1.1086	142.1434
		Mín.	119.0364	-106.8877	204.3169	-19.9053	10.1611
		Dif.	185.9210	111.3053	210.9950	18.7967	131.9823
0.515	33.065	Máx.	111.1991	3.5860	429.0424	-0.1337	142.2367
		Mín.	42.3002	-116.2964	235.6874	-1.3648	11.6418
		Dif.	68.8989	119.8824	193.3551	1.2311	130.5949
0.515	33.315	Máx.	44.0979	2.2850	467.1527	20.4191	145.4007
		Mín.	-55.7208	-113.2261	269.8734	5.8795	13.8047
		Dif.	99.8187	115.5111	197.2793	14.5396	131.5959
0.515	33.565	Máx.	-11.4706	15.2688	490.6104	52.8196	153.2837
		Mín.	-245.6923	-67.0708	295.7450	10.6718	17.8912
		Dif.	234.2217	82.3396	194.8654	42.1479	135.3926



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.515	33.815	Máx.	-25.2766	125.9205	514.8417	120.6937	175.1282
		Mín.	-449.8085	66.0085	316.8470	24.5068	30.9099
		Dif.	424.5319	59.9120	197.9947	96.1868	144.2182
0.515	34.065	Máx.	70.9168	290.4538	362.1713	107.5517	126.1803
		Mín.	-164.2887	103.7416	220.2730	16.6130	25.6219
		Dif.	235.2055	186.7122	141.8982	90.9387	100.5584
0.515	34.315	Máx.	153.8103	293.2862	293.3415	47.7347	91.4022
		Mín.	44.6840	92.1249	173.2021	8.9594	9.5661
		Dif.	109.1264	201.1613	120.1394	38.7753	81.8360
0.515	34.565	Máx.	205.9073	288.9234	241.9997	1.7226	78.5849
		Mín.	126.8534	85.9297	137.0985	-12.3664	-2.8723
		Dif.	79.0539	202.9937	104.9013	14.0889	81.4572
0.515	34.815	Máx.	353.0776	321.7241	212.8196	-7.6261	84.2747
		Mín.	180.6124	88.8134	112.0138	-72.5361	-12.0221
		Dif.	172.4651	232.9107	100.8058	64.9100	96.2967
0.515	35.065	Máx.	486.9841	350.9574	201.7073	-21.2050	114.0017
		Mín.	169.9513	87.3329	60.7871	-152.1231	-17.6835
		Dif.	317.0329	263.6245	140.9201	130.9182	131.6852
0.515	35.315	Máx.	849.4258	161.9760	239.3575	-21.2994	196.8461
		Mín.	184.9191	55.7476	5.8623	-165.2697	-4.2898
		Dif.	664.5068	106.2284	233.4952	143.9703	201.1360
0.515	35.565	Máx.	514.4233	24.5626	228.2689	-9.6751	186.5482
		Mín.	112.2552	-78.1579	42.3500	-72.6117	2.7621
		Dif.	402.1681	102.7205	185.9189	62.9366	183.7862
0.515	35.815	Máx.	296.4935	17.8548	230.1398	-1.9496	181.6750
		Mín.	78.9573	-135.3788	106.3753	-25.4248	4.3460
		Dif.	217.5362	153.2335	123.7645	23.4752	177.3290
0.515	36.065	Máx.	67.6453	16.7364	255.3999	0.7911	180.5890
		Mín.	1.5424	-143.9801	138.2324	-2.5773	5.1933
		Dif.	66.1029	160.7165	117.1675	3.3684	175.3957
0.515	36.315	Máx.	-0.8718	15.1505	294.8631	21.7599	183.6137
		Mín.	-172.1510	-140.7246	168.0950	5.2890	6.7225
		Dif.	171.2792	155.8751	126.7681	16.4710	176.8912
0.515	36.565	Máx.	-49.3973	24.4277	352.9540	59.6177	192.4973
		Mín.	-407.2717	-93.0660	174.9022	11.6514	9.3102
		Dif.	357.8743	117.4937	178.0519	47.9663	183.1871
0.515	36.815	Máx.	-90.8573	111.3833	408.6995	136.2901	217.8080
		Mín.	-680.4980	59.9607	174.7416	25.9632	16.2148
		Dif.	589.6407	51.4226	233.9579	110.3269	201.5932
0.515	37.065	Máx.	-27.0971	259.5512	266.5875	124.6331	162.1450
		Mín.	-352.1894	90.9923	114.8029	24.0601	7.3247
		Dif.	325.0923	168.5589	151.7845	100.5730	154.8203
0.515	37.315	Máx.	5.4827	200.2582	195.0460	67.1347	126.1065
		Mín.	-184.7956	76.3605	84.2119	17.9737	-3.2557
		Dif.	190.2784	123.8977	110.8340	49.1610	129.3622
0.515	37.565	Máx.	9.8870	120.2053	149.3397	30.3856	109.8899
		Mín.	-95.7615	60.5525	63.9172	14.3807	-10.5249
		Dif.	105.6485	59.6528	85.4226	16.0049	120.4148
0.515	37.815	Máx.	11.5732	68.4032	115.7144	18.3525	103.5014
		Mín.	-50.6354	40.3506	49.4365	8.6392	-15.6037
		Dif.	62.2085	28.0526	66.2779	9.7133	119.1051



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.515	38.065	Máx.	2.8983	43.3125	86.0472	18.2158	100.6770
		Mín.	-29.9199	15.3018	38.1460	2.9685	-19.8254
		Dif.	32.8183	28.0106	47.9013	15.2473	120.5024
0.515	38.315	Máx.	3.4823	31.8698	60.4661	21.1057	98.6375
		Mín.	-19.0960	-8.9031	31.1817	2.9457	-24.2948
		Dif.	22.5784	40.7729	29.2843	18.1600	122.9323
0.515	38.565	Máx.	4.0291	24.6308	40.3136	27.6504	96.9713
		Mín.	-17.6047	-27.1679	23.4553	4.0336	-30.8458
		Dif.	21.6338	51.7988	16.8583	23.6167	127.8171
0.515	38.805	Máx.	4.0291	20.8025	40.3136	29.9751	92.7302
		Mín.	-17.6047	-35.8012	23.4553	10.2215	-32.8125
		Dif.	21.6338	56.6036	16.8583	19.7536	125.5427
0.651	5.815	Máx.	-56.8880	-2.8806	631.7837	59.7039	-20.0861
		Mín.	-333.1521	-46.4572	373.0132	10.3954	-196.9766
		Dif.	276.2640	43.5765	258.7705	49.3084	176.8905
0.651	6.065	Máx.	-25.0681	75.5946	557.2571	24.9472	-15.0797
		Mín.	-151.9506	-13.6259	316.0074	4.9866	-171.3230
		Dif.	126.8825	89.2204	241.2497	19.9606	156.2434
0.651	6.315	Máx.	42.1467	91.8850	509.4444	8.6262	-11.5661
		Mín.	-26.2208	-9.1846	270.3133	4.4744	-160.7558
		Dif.	68.3675	101.0696	239.1311	4.1519	149.1897
0.651	6.565	Máx.	154.8308	89.9369	471.9519	1.2159	-9.2885
		Mín.	2.1422	-8.3759	222.0480	-7.8643	-160.1520
		Dif.	152.6887	98.3128	249.9039	9.0802	150.8635
0.651	6.815	Máx.	303.2228	75.6812	469.2335	0.2968	-8.5137
		Mín.	44.3477	-4.6981	145.1272	-27.0721	-170.4299
		Dif.	258.8751	80.3793	324.1063	27.3690	161.9162
0.651	7.065	Máx.	493.9939	3.8033	477.6568	-9.9458	-11.1235
		Mín.	72.5778	-13.1021	63.9358	-74.9236	-200.7365
		Dif.	421.4161	16.9055	413.7211	64.9778	189.6130
0.651	9.065	Máx.	-0.8742	-28.6316	676.2251	51.2304	0.8081
		Mín.	-237.6273	-58.5939	379.3851	-0.3404	-133.7459
		Dif.	236.7531	29.9623	296.8400	51.5708	134.5540
0.651	9.315	Máx.	19.7916	36.1320	621.1147	24.8272	2.4463
		Mín.	-86.8923	-18.5716	337.5990	4.7432	-110.7672
		Dif.	106.6839	54.7036	283.5157	20.0840	113.2135
0.651	9.565	Máx.	47.6105	53.3902	588.5080	8.9659	5.0005
		Mín.	-22.5261	-13.1354	307.7123	2.0639	-100.0978
		Dif.	70.1366	66.5256	280.7957	6.9020	105.0983
0.651	9.815	Máx.	122.7264	57.5674	573.2493	5.1690	7.6283
		Mín.	11.2551	-11.0297	275.6172	1.8034	-96.1942
		Dif.	111.4714	68.5972	297.6321	3.3656	103.8225
0.651	10.065	Máx.	184.1848	52.0187	574.3043	0.5067	9.8163
		Mín.	5.6083	-12.9767	230.4147	-9.5051	-97.9929
		Dif.	178.5765	64.9954	343.8896	10.0119	107.8091
0.651	10.315	Máx.	289.9264	32.8973	584.0798	2.3158	11.2031
		Mín.	33.5922	-13.0984	186.9178	-23.5467	-107.6613
		Dif.	256.3342	45.9958	397.1621	25.8625	118.8644
0.651	10.565	Máx.	445.6872	3.8225	613.7208	-5.5004	10.5828
		Mín.	38.0764	-45.5294	141.7553	-61.2873	-132.7709
		Dif.	407.6108	49.3519	471.9654	55.7869	143.3537



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.651	13.065	Máx.	29.0432	0.9109	700.0553	16.0069	2.1353
		Mín.	-66.5382	-34.5343	361.6244	-3.2002	-60.9639
		Dif.	95.5814	35.4452	338.4309	19.2071	63.0992
0.651	13.315	Máx.	68.8616	22.9005	662.7706	9.5866	2.9645
		Mín.	-32.4641	-12.6947	335.6687	3.5912	-53.0871
		Dif.	101.3258	35.5952	327.1019	5.9954	56.0517
0.651	13.565	Máx.	88.5786	28.4734	652.3430	3.7006	5.6491
		Mín.	-34.0367	-7.6360	311.9427	0.6800	-49.2347
		Dif.	122.6152	36.1094	340.4003	3.0206	54.8839
0.651	13.815	Máx.	128.5340	30.3941	653.0365	6.3887	8.9089
		Mín.	-17.1654	-3.9346	291.6180	-0.6741	-48.2566
		Dif.	145.6994	34.3287	361.4185	7.0628	57.1655
0.651	14.065	Máx.	155.5766	24.4819	660.3362	2.2271	12.0830
		Mín.	-35.9939	-0.1342	271.5884	-10.3566	-51.0683
		Dif.	191.5706	24.6162	388.7478	12.5837	63.1513
0.651	14.315	Máx.	231.5590	25.5347	689.5950	4.1632	14.4987
		Mín.	-18.5336	-2.9606	258.1187	-23.4563	-60.7981
		Dif.	250.0926	28.4954	431.4763	27.6196	75.2968
0.651	16.815	Máx.	127.0362	3.3078	708.3426	4.4941	10.9495
		Mín.	-22.9278	-34.4859	324.9435	-6.3890	-18.2854
		Dif.	149.9639	37.7937	383.3991	10.8830	29.2349
0.651	17.065	Máx.	102.5960	7.6772	676.8111	2.3329	8.9672
		Mín.	-38.2727	-9.4990	308.4417	-3.6483	-16.8027
		Dif.	140.8687	17.1763	368.3693	5.9812	25.7698
0.651	17.315	Máx.	112.6991	7.7413	669.7247	5.5614	9.6317
		Mín.	-21.2312	-9.4609	302.8709	0.7049	-15.5739
		Dif.	133.9303	17.2021	366.8539	4.8565	25.2056
0.651	17.565	Máx.	108.8174	7.3787	668.8106	2.5236	11.4557
		Mín.	-34.0169	-9.7457	298.6884	-1.3530	-14.7541
		Dif.	142.8343	17.1244	370.1222	3.8766	26.2098
0.651	17.815	Máx.	128.0793	7.9716	676.1855	5.6589	14.0119
		Mín.	-21.7050	-7.6863	296.0045	-0.7529	-14.8058
		Dif.	149.7843	15.6579	380.1810	6.4118	28.8177
0.651	18.065	Máx.	132.1185	3.3760	689.9100	0.2848	16.4590
		Mín.	-42.4614	-5.7516	295.1113	-8.1675	-17.0999
		Dif.	174.5799	9.1276	394.7987	8.4523	33.5589
0.651	18.315	Máx.	183.9922	22.1207	732.3574	-1.1338	16.7042
		Mín.	-18.4459	-18.8469	305.0742	-16.8909	-24.3117
		Dif.	202.4380	40.9676	427.2832	15.7571	41.0159
0.651	21.315	Máx.	211.6936	6.8080	738.0015	0.2597	45.7729
		Mín.	-42.0647	-35.4376	285.8047	-22.4505	-7.1597
		Dif.	253.7584	42.2456	452.1967	22.7101	52.9326
0.651	21.565	Máx.	146.4488	-4.8403	703.2296	2.1076	36.3578
		Mín.	-58.6335	-13.9964	289.9844	-9.6875	-5.9201
		Dif.	205.0824	9.1561	413.2452	11.7952	42.2779
0.651	21.815	Máx.	124.0222	3.0541	694.0572	6.3987	33.3063
		Mín.	-44.9480	-17.2555	302.3832	-1.2060	-2.5974
		Dif.	168.9702	20.3096	391.6740	7.6047	35.9037
0.651	22.065	Máx.	88.7151	1.2535	692.0690	2.3253	32.9900
		Mín.	-66.1253	-19.7570	314.8798	-1.4517	0.9342
		Dif.	154.8404	21.0105	377.1892	3.7769	32.0557



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.651	22.315	Máx.	82.5099	-3.8651	698.4312	5.5128	34.0249
		Mín.	-53.1592	-23.3201	330.3742	1.8601	4.1487
		Dif.	135.6692	19.4550	368.0571	3.6527	29.8762
0.651	22.565	Máx.	61.4740	-0.2825	712.1149	3.4341	36.1792
		Mín.	-65.6911	-19.9057	349.3087	-0.8013	6.5731
		Dif.	127.1651	19.6232	362.8062	4.2354	29.6061
0.651	22.815	Máx.	65.4487	29.2805	755.6498	7.0910	39.0934
		Mín.	-41.1266	-3.2938	383.8107	-5.7678	5.8320
		Dif.	106.5753	32.5743	371.8391	12.8588	33.2613
0.651	26.315	Máx.	397.7221	30.9873	695.4132	-3.1849	115.8309
		Mín.	-4.2243	-14.0919	180.7730	-50.9222	-16.9856
		Dif.	401.9464	45.0792	514.6402	47.7372	132.8165
0.651	26.565	Máx.	248.0048	9.9232	654.9231	0.2009	94.5787
		Mín.	-25.7945	-33.4098	219.5037	-22.1332	-17.4241
		Dif.	273.7993	43.3330	435.4195	22.3341	112.0028
0.651	26.815	Máx.	173.0518	15.1504	639.9055	5.2138	86.8278
		Mín.	-10.9524	-47.1378	261.2315	-5.3815	-15.3041
		Dif.	184.0042	62.2882	378.6740	10.5953	102.1320
0.651	27.065	Máx.	94.0114	13.3851	632.6252	1.9872	85.9000
		Mín.	-27.7083	-50.6505	301.0288	-0.3831	-12.7014
		Dif.	121.7197	64.0356	331.5964	2.3703	98.6013
0.651	27.315	Máx.	43.4451	9.8089	641.0754	10.9181	89.8435
		Mín.	-17.1659	-50.9100	335.4562	4.7356	-10.1769
		Dif.	60.6110	60.7188	305.6191	6.1825	100.0203
0.651	27.565	Máx.	5.7376	16.2125	666.1583	22.9056	100.4713
		Mín.	-91.0685	-30.4252	363.5805	1.3111	-7.8541
		Dif.	96.8061	46.6376	302.5778	21.5945	108.3254
0.651	27.815	Máx.	22.8338	68.4950	718.8316	51.6748	122.8944
		Mín.	-215.2062	37.3702	408.4476	0.7800	-6.9896
		Dif.	238.0401	31.1248	310.3840	50.8948	129.8839
0.651	29.565	Máx.	680.8291	91.3506	523.0863	-15.2168	206.1818
		Mín.	142.6648	8.5949	16.8201	-98.3503	12.2993
		Dif.	538.1643	82.7557	506.2661	83.1335	193.8825
0.651	29.815	Máx.	432.6823	9.7877	506.4050	-2.4640	165.0544
		Mín.	113.6401	-43.0223	97.0632	-39.7885	7.0621
		Dif.	319.0422	52.8100	409.3418	37.3245	157.9923
0.651	30.065	Máx.	264.1732	8.7933	504.0061	-2.3015	148.0829
		Mín.	70.8226	-74.7617	169.7389	-16.2638	5.8543
		Dif.	193.3506	83.5550	334.2671	13.9623	142.2286
0.651	30.315	Máx.	156.7886	4.1808	510.0295	3.2207	143.4701
		Mín.	62.1674	-84.1650	240.4168	0.5675	6.4067
		Dif.	94.6212	88.3458	269.6127	2.6532	137.0633
0.651	30.565	Máx.	49.8491	5.3482	537.9865	12.9565	147.8829
		Mín.	4.9779	-77.5041	291.4655	2.4893	8.3963
		Dif.	44.8712	82.8523	246.5209	10.4672	139.4866
0.651	30.815	Máx.	34.1412	17.2424	584.5892	37.6912	163.3548
		Mín.	-129.3015	-42.3502	338.1259	8.6689	11.9754
		Dif.	163.4427	59.5926	246.4633	29.0222	151.3793
0.651	31.065	Máx.	-15.6134	104.4796	651.9546	80.9790	198.5977
		Mín.	-373.1052	55.8289	398.3204	10.2752	17.6238
		Dif.	357.4918	48.6507	253.6343	70.7038	180.9739



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.651	32.315	Máx.	903.0546	155.1632	379.1310	-22.4633	295.2149
		Mín.	220.8578	32.3149	-105.5091	-135.9965	34.8367
		Dif.	682.1968	122.8483	484.6400	113.5333	260.3782
0.651	32.565	Máx.	512.8349	8.6422	374.7632	-10.3744	237.1282
		Mín.	138.1201	-55.2557	20.8071	-60.2428	25.0809
		Dif.	374.7148	63.8979	353.9560	49.8684	212.0473
0.651	32.815	Máx.	297.2763	4.4176	385.7400	-1.1086	212.9423
		Mín.	105.5689	-106.8877	128.1211	-19.9053	21.6914
		Dif.	191.7074	111.3053	257.6188	18.7967	191.2509
0.651	33.065	Máx.	114.2243	3.5860	411.4608	-0.1337	206.6584
		Mín.	49.2426	-116.2964	217.7774	-1.3648	21.4666
		Dif.	64.9817	119.8824	193.6835	1.2311	185.1918
0.651	33.315	Máx.	31.0890	2.2850	473.2293	20.4191	212.8987
		Mín.	-74.9861	-113.2261	275.3450	5.8795	23.4471
		Dif.	106.0751	115.5111	197.8843	14.5396	189.4516
0.651	33.565	Máx.	-18.3451	15.2688	542.1886	52.8196	235.4933
		Mín.	-285.2378	-67.0708	334.0834	10.6718	28.6329
		Dif.	266.8927	82.3396	208.1052	42.1479	206.8605
0.651	33.815	Máx.	-77.5218	125.9205	644.3161	120.6937	287.2831
		Mín.	-615.1402	66.0085	402.4817	24.5068	39.1191
		Dif.	537.6184	59.9120	241.8344	96.1868	248.1640
0.651	35.315	Máx.	1027.9944	161.9760	198.2415	-21.2994	371.3601
		Mín.	201.5630	55.7476	-265.6706	-165.2697	27.8627
		Dif.	826.4315	106.2284	463.9121	143.9703	343.4975
0.651	35.565	Máx.	561.4524	24.5626	198.7531	-9.6751	300.5783
		Mín.	119.8461	-78.1579	-101.1252	-72.6117	18.6493
		Dif.	441.6063	102.7205	299.8784	62.9366	281.9290
0.651	35.815	Máx.	292.3588	17.8548	210.8046	-1.9496	270.6815
		Mín.	70.4756	-135.3788	34.0816	-25.4248	15.1777
		Dif.	221.8832	153.2335	176.7230	23.4752	255.5038
0.651	36.065	Máx.	67.0317	16.7364	250.4538	0.7911	262.2164
		Mín.	1.8117	-143.9801	129.6798	-2.5773	14.8328
		Dif.	65.2200	160.7165	120.7740	3.3684	247.3836
0.651	36.315	Máx.	-8.2571	15.1505	336.7107	21.7599	268.4571
		Mín.	-188.8208	-140.7246	178.8437	5.2890	16.8013
		Dif.	180.5636	155.8751	157.8669	16.4710	251.6558
0.651	36.565	Máx.	-58.2793	24.4277	478.4514	59.6177	293.5341
		Mín.	-453.5352	-93.0660	201.9169	11.6514	22.1798
		Dif.	395.2560	117.4937	276.5345	47.9663	271.3543
0.651	36.815	Máx.	-128.5415	111.3833	658.7829	136.2901	352.1973
		Mín.	-850.8818	59.9607	232.5451	25.9632	33.5967
		Dif.	722.3403	51.4226	426.2378	110.3269	318.6006
0.765	0.325	Máx.	11.2045	53.3765	26.9969	54.0228	37.9581
		Mín.	-16.0448	-20.1952	11.2279	21.9980	-93.5278
		Dif.	27.2493	73.5717	15.7690	32.0249	131.4860
0.765	0.565	Máx.	11.2045	46.7078	26.9969	40.5766	34.9980
		Mín.	-16.0448	-22.0708	11.2279	20.1193	-93.9576
		Dif.	27.2493	68.7786	15.7690	20.4573	128.9556
0.765	0.815	Máx.	16.6272	37.5113	36.3539	33.6523	30.7112
		Mín.	-10.4774	-25.6625	16.8176	16.2806	-100.6205
		Dif.	27.1047	63.1738	19.5363	17.3718	131.3318



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.765	1.065	Máx.	26.2561	33.3447	47.2256	28.0131	26.7209
		Mín.	-4.7058	-29.8301	22.1670	13.0860	-106.6675
		Dif.	30.9619	63.1748	25.0586	14.9270	133.3884
0.765	1.315	Máx.	40.2127	31.2989	59.0899	23.3753	23.2108
		Mín.	3.3013	-33.9257	28.3330	10.6511	-111.7786
		Dif.	36.9114	65.2246	30.7569	12.7242	134.9894
0.765	1.565	Máx.	52.7348	30.1774	71.4329	19.4985	20.0748
		Mín.	11.9060	-37.1312	35.0585	8.2219	-115.8386
		Dif.	40.8288	67.3086	36.3744	11.2766	135.9134
0.765	1.815	Máx.	67.1222	29.5475	84.4082	16.9447	17.1936
		Mín.	21.5825	-39.3135	42.2914	5.4520	-118.8289
		Dif.	45.5396	68.8610	42.1168	11.4926	136.0226
0.765	2.065	Máx.	77.7754	28.7522	97.4458	14.6353	14.4657
		Mín.	30.2816	-41.0607	49.7775	2.4070	-120.8237
		Dif.	47.4938	69.8129	47.6682	12.2283	135.2894
0.765	2.315	Máx.	92.6697	28.3215	111.0657	12.9940	11.8261
		Mín.	41.3953	-41.6606	57.7258	-0.2011	-121.8923
		Dif.	51.2744	69.9822	53.3398	13.1951	133.7184
0.765	2.565	Máx.	102.4364	28.3441	124.2230	11.4698	9.2237
		Mín.	50.4911	-41.0290	65.6301	-3.5647	-122.1111
		Dif.	51.9453	69.3730	58.5930	15.0345	131.3348
0.765	2.815	Máx.	115.3724	28.5175	137.4750	11.0609	6.6199
		Mín.	60.9202	-39.3515	73.6627	-6.5783	-121.5405
		Dif.	54.4521	67.8690	63.8123	17.6392	128.1604
0.765	3.065	Máx.	121.6522	27.4964	149.8943	10.5251	3.9590
		Mín.	67.9534	-37.6934	81.4143	-10.0137	-120.2587
		Dif.	53.6989	65.1899	68.4801	20.5388	124.2177
0.765	3.315	Máx.	134.3045	25.7144	162.6925	10.5853	1.2048
		Mín.	79.5087	-35.2086	89.5126	-12.7131	-118.3125
		Dif.	54.7959	60.9230	73.1799	23.2985	119.5173
0.765	3.565	Máx.	139.8698	23.3103	174.5120	10.1826	-1.6823
		Mín.	87.5063	-31.5188	97.3004	-15.7163	-115.7542
		Dif.	52.3635	54.8290	77.2116	25.8990	114.0719
0.765	3.815	Máx.	150.8843	19.5420	186.5258	9.9268	-4.7526
		Mín.	98.4097	-26.6471	105.3084	-17.9835	-112.6730
		Dif.	52.4746	46.1892	81.2174	27.9102	107.9204
0.765	4.065	Máx.	155.2452	12.7915	197.4558	8.6856	-8.1036
		Mín.	101.8675	-22.7568	112.9318	-20.1984	-109.2461
		Dif.	53.3777	35.5483	84.5241	28.8840	101.1425
0.765	4.315	Máx.	168.9048	2.4851	209.3910	7.7049	-11.8709
		Mín.	110.4075	-19.9321	121.3022	-20.1133	-105.7903
		Dif.	58.4973	22.4172	88.0888	27.8182	93.9194
0.765	4.565	Máx.	173.1319	-10.1822	221.0884	5.5250	-16.3658
		Mín.	112.1550	-24.5327	129.5924	-17.7632	-102.9620
		Dif.	60.9768	14.3506	91.4960	23.2882	86.5962
0.765	4.815	Máx.	182.5572	-8.5309	234.8390	3.3321	-22.4083
		Mín.	114.5280	-52.3370	139.0678	-9.7646	-102.2802
		Dif.	68.0292	43.8061	95.7712	13.0967	79.8719
0.765	5.065	Máx.	173.8991	-9.8275	250.3320	10.6723	-32.3212
		Mín.	102.9974	-102.4061	149.4842	-0.5815	-107.3532
		Dif.	70.9016	92.5786	100.8478	11.2538	75.0321



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.765	5.315	Máx.	156.8076	-20.9410	273.4516	54.4989	-53.5866
		Mín.	77.0122	-194.7998	163.6651	-1.5091	-128.5652
		Dif.	79.7954	173.8588	109.7865	56.0080	74.9786
0.765	5.565	Máx.	90.2132	-54.3555	310.5751	165.5162	-109.7115
		Mín.	-39.5160	-383.0885	185.7819	5.5640	-204.4117
		Dif.	129.7292	328.7330	124.7932	159.9522	94.7002
0.765	5.590	Máx.	90.2132	-80.6223	310.5751	281.4438	-267.1972
		Mín.	-39.5160	-512.3621	185.7819	19.6064	-438.2747
		Dif.	129.7292	431.7399	124.7932	261.8374	171.0775
0.765	7.290	Máx.	309.6904	-137.4906	247.8317	-61.4987	286.5691
		Mín.	179.6259	-690.2533	51.6086	-379.7875	-29.2215
		Dif.	130.0645	552.7627	196.2231	318.2888	315.7906
0.765	7.315	Máx.	309.6904	-113.6986	247.8317	-39.4942	98.3592
		Mín.	179.6259	-528.5063	51.6086	-238.0939	-60.8500
		Dif.	130.0645	414.8078	196.2231	198.5997	159.2092
0.765	7.565	Máx.	295.5659	-78.2339	243.0746	-17.0095	39.5623
		Mín.	200.7356	-296.9980	85.1519	-103.6614	-54.1706
		Dif.	94.8303	218.7641	157.9228	86.6520	93.7329
0.765	7.815	Máx.	300.0163	-51.8891	246.5784	-3.8693	16.2924
		Mín.	197.3636	-189.2031	111.7452	-45.4543	-52.3344
		Dif.	102.6527	137.3140	134.8332	41.5851	68.6268
0.765	8.065	Máx.	282.0835	-29.4305	252.7542	1.0950	1.2950
		Mín.	179.2890	-136.9871	132.2282	-15.5856	-53.9221
		Dif.	102.7946	107.5566	120.5260	16.6806	55.2171
0.765	8.315	Máx.	279.4725	-10.3539	268.6534	7.7792	-13.7849
		Mín.	168.3573	-120.5206	145.5955	1.8490	-60.2909
		Dif.	111.1152	110.1666	123.0579	5.9302	46.5060
0.765	8.565	Máx.	250.6229	4.7757	285.3453	33.4068	-36.5346
		Mín.	140.7610	-138.3910	157.9296	-3.0178	-76.3810
		Dif.	109.8619	143.1667	127.4158	36.4246	39.8464
0.765	8.815	Máx.	194.2886	11.3503	308.7491	84.7717	-76.4529
		Mín.	90.0324	-208.1357	172.8892	-9.8188	-129.3041
		Dif.	104.2563	219.4860	135.8599	94.5905	52.8512
0.765	8.960	Máx.	194.2886	14.0852	308.7491	166.2258	-175.9479
		Mín.	90.0324	-258.1997	172.8892	-15.9274	-302.6756
		Dif.	104.2563	272.2849	135.8599	182.1532	126.7277
0.765	10.660	Máx.	278.2858	-79.9585	299.7213	-36.4763	264.1311
		Mín.	184.5638	-368.0568	107.6289	-216.1071	31.8645
		Dif.	93.7220	288.0983	192.0924	179.6308	232.2666
0.765	10.815	Máx.	278.2858	-72.6912	299.7213	-16.6309	104.2322
		Mín.	184.5638	-284.6450	107.6289	-104.5678	-13.3654
		Dif.	93.7220	211.9538	192.0924	87.9369	117.5976
0.765	11.065	Máx.	299.3327	-61.5173	295.0528	-4.8151	51.6984
		Mín.	191.1780	-163.1387	125.6816	-46.6718	-21.8378
		Dif.	108.1546	101.6214	169.3711	41.8567	73.5362
0.765	11.315	Máx.	311.4648	-45.4470	296.4760	5.8086	28.7418
		Mín.	194.1570	-99.6624	140.8451	-19.4411	-25.3469
		Dif.	117.3078	54.2154	155.6309	25.2497	54.0886
0.765	11.565	Máx.	300.0441	-24.9744	298.0190	10.8939	13.9344
		Mín.	185.8349	-61.2034	152.2779	-6.8750	-27.9833
		Dif.	114.2093	36.2290	145.7411	17.7689	41.9177

## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.765	11.815	Máx.	305.2940	-2.3614	302.9649	12.5558	1.2585
		Mín.	186.8976	-36.8966	161.0354	-0.2125	-31.1494
		Dif.	118.3964	34.5352	141.9295	12.7683	32.4079
0.765	12.065	Máx.	291.5810	18.4141	308.2362	8.0118	-11.9907
		Mín.	177.4035	-24.2148	165.0990	2.0294	-35.5892
		Dif.	114.1775	42.6289	143.1371	5.9825	23.5984
0.765	12.315	Máx.	295.7928	35.1897	316.6902	7.2597	-25.4043
		Mín.	175.3467	-22.8319	169.8363	0.0082	-45.5825
		Dif.	120.4461	58.0216	146.8539	7.2516	20.1782
0.765	12.565	Máx.	267.3042	46.4605	327.5560	15.6053	-42.6621
		Mín.	151.8886	-34.3492	174.9112	-13.4044	-75.4349
		Dif.	115.4156	80.8097	152.6448	29.0096	32.7727
0.765	12.815	Máx.	190.9235	46.9726	352.1181	42.1949	-89.0889
		Mín.	95.4098	-68.1528	185.7627	-28.3059	-162.9216
		Dif.	95.5137	115.1254	166.3553	70.5008	73.8327
0.765	12.845	Máx.	190.9235	46.5181	352.1181	68.6189	-230.5052
		Mín.	95.4098	-91.3586	185.7627	-37.3047	-436.4772
		Dif.	95.5137	137.8767	166.3553	105.9236	205.9720
0.765	14.545	Máx.	213.4686	-15.7569	347.6487	-17.1766	436.6746
		Mín.	141.3314	-277.7935	140.8964	-138.5673	142.6247
		Dif.	72.1372	262.0366	206.7523	121.3907	294.0499
0.765	14.565	Máx.	213.4686	-29.9111	347.6487	-17.0742	158.2491
		Mín.	141.3314	-214.2940	140.8964	-87.7662	34.8179
		Dif.	72.1372	184.3829	206.7523	70.6920	123.4311
0.765	14.815	Máx.	299.0867	-40.7633	328.0788	-8.5788	69.9437
		Mín.	185.2718	-118.3846	148.5862	-38.3518	6.7289
		Dif.	113.8149	77.6213	179.4926	29.7730	63.2148
0.765	15.065	Máx.	304.5854	-35.0455	319.4010	0.1788	37.0893
		Mín.	185.7408	-70.7083	154.7855	-17.4762	-2.9382
		Dif.	118.8446	35.6628	164.6155	17.6550	40.0275
0.765	15.315	Máx.	315.4763	-20.0545	317.8205	7.8301	18.8279
		Mín.	190.8146	-41.9744	160.9883	-6.3189	-8.0521
		Dif.	124.6617	21.9199	156.8322	14.1491	26.8800
0.765	15.565	Máx.	306.1504	-0.0796	316.6148	9.6200	4.7193
		Mín.	185.5686	-20.7634	164.6998	-1.7272	-12.3645
		Dif.	120.5818	20.6838	151.9150	11.3472	17.0838
0.765	15.815	Máx.	314.2341	22.5632	318.5301	7.7374	-6.5548
		Mín.	189.3256	-4.1506	167.3714	-0.0200	-17.3655
		Dif.	124.9086	26.7138	151.1587	7.7574	10.8107
0.765	16.065	Máx.	300.8591	42.5884	320.3275	0.4129	-14.6642
		Mín.	179.6080	7.8680	167.2909	-3.0284	-31.7759
		Dif.	121.2511	34.7203	153.0366	3.4413	17.1117
0.765	16.315	Máx.	296.2269	61.2116	328.1006	-1.4212	-28.2828
		Mín.	173.3203	12.4549	167.8330	-14.2450	-59.4153
		Dif.	122.9065	48.7567	160.2677	12.8239	31.1325
0.765	16.565	Máx.	225.2870	87.9428	343.4470	-1.7288	-61.0639
		Mín.	128.5141	11.0761	168.5226	-33.5032	-131.2646
		Dif.	96.7728	76.8668	174.9244	31.7744	70.2008
0.765	16.652	Máx.	225.2870	103.3645	343.4470	-1.2858	-164.9221
		Mín.	128.5141	2.9548	168.5226	-52.8852	-356.4613
		Dif.	96.7728	100.4096	174.9244	51.5995	191.5392



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.765	18.352	Máx.	244.2424	-42.4968	339.9391	-26.1578	277.9898
		Mín.	149.4669	-119.4617	161.1064	-65.6957	111.4193
		Dif.	94.7755	76.9649	178.8327	39.5379	166.5705
0.765	18.565	Máx.	244.2424	-47.4553	339.9391	-12.4667	115.8997
		Mín.	149.4669	-98.6730	161.1064	-30.0894	41.2346
		Dif.	94.7755	51.2177	178.8327	17.6227	74.6651
0.765	18.815	Máx.	296.6925	-40.2504	335.0945	-4.0160	62.5599
		Mín.	177.4872	-72.4193	167.2839	-13.1157	19.5705
		Dif.	119.2053	32.1689	167.8106	9.0998	42.9894
0.765	19.065	Máx.	291.9985	-30.0374	332.2210	4.2110	39.1306
		Mín.	175.6237	-55.9446	171.1116	-5.6877	11.1355
		Dif.	116.3748	25.9072	161.1094	9.8987	27.9951
0.765	19.315	Máx.	299.1352	-19.8027	333.4127	13.1054	24.4062
		Mín.	180.3957	-37.4675	174.9132	-0.8940	6.5395
		Dif.	118.7395	17.6648	158.4995	13.9994	17.8667
0.765	19.565	Máx.	288.3698	-7.8924	333.2905	16.9805	12.7475
		Mín.	175.5332	-16.8059	176.2833	0.6832	3.1083
		Dif.	112.8366	8.9136	157.0072	16.2973	9.6392
0.765	19.815	Máx.	296.7990	7.2077	334.4614	18.4004	6.6831
		Mín.	180.4861	1.8529	176.7729	1.3793	-1.6775
		Dif.	116.3129	5.3548	157.6885	17.0210	8.3607
0.765	20.065	Máx.	287.7287	28.7057	333.0542	14.2624	3.2838
		Mín.	175.9411	13.0205	174.3370	-0.7101	-12.0301
		Dif.	111.7876	15.6852	158.7172	14.9725	15.3140
0.765	20.315	Máx.	302.1158	49.6697	334.0003	8.0323	-0.5873
		Mín.	184.3412	23.5985	171.3656	-3.5864	-24.0041
		Dif.	117.7746	26.0712	162.6348	11.6186	23.4168
0.765	20.565	Máx.	298.5403	71.3930	334.8750	-3.7571	-5.5782
		Mín.	182.5515	35.2589	166.1332	-11.2540	-39.8489
		Dif.	115.9888	36.1341	168.7418	7.4969	34.2707
0.765	20.815	Máx.	300.2144	99.7644	341.8432	-14.3532	-14.9394
		Mín.	182.8456	47.1127	161.0249	-27.0813	-68.1759
		Dif.	117.3688	52.6517	180.8184	12.7281	53.2365
0.765	21.065	Máx.	230.9278	163.3182	357.2456	-27.6732	-40.9096
		Mín.	142.5096	34.3131	154.7903	-61.3277	-142.0153
		Dif.	88.4182	129.0051	202.4553	33.6545	101.1057
0.765	21.151	Máx.	230.9278	204.3147	357.2456	-31.7647	-134.7006
		Mín.	142.5096	18.1329	154.7903	-108.9422	-378.1144
		Dif.	88.4182	186.1818	202.4553	77.1775	243.4138
0.765	22.851	Máx.	231.3657	-1.0525	349.0205	4.2992	288.9190
		Mín.	134.6179	-53.8009	183.4677	-46.9838	149.9591
		Dif.	96.7478	52.7484	165.5528	51.2830	138.9599
0.765	23.065	Máx.	231.3657	-10.6312	349.0205	-0.3127	123.2186
		Mín.	134.6179	-64.0436	183.4677	-29.9295	65.7256
		Dif.	96.7478	53.4124	165.5528	29.6168	57.4931
0.765	23.315	Máx.	286.0315	-19.8847	344.4347	-2.5308	70.9847
		Mín.	168.8338	-70.1710	183.4384	-14.1233	38.2294
		Dif.	117.1977	50.2863	160.9963	11.5925	32.7554
0.765	23.565	Máx.	284.7577	-20.5503	341.9664	0.5918	49.4272
		Mín.	170.4241	-61.5458	183.4245	-4.3380	27.2179
		Dif.	114.3336	40.9954	158.5419	4.9298	22.2093

**Esfuerzos en nudos de losas y reticulares**

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.765	23.815	Máx.	288.7350	-16.7746	342.9196	10.6321	37.0564
		Mín.	173.7748	-46.1551	184.3873	-1.9001	21.2997
		Dif.	114.9603	29.3805	158.5323	12.5322	15.7567
0.765	24.065	Máx.	271.0209	-11.6986	341.9276	16.3471	31.3430
		Mín.	165.0662	-29.6129	183.7846	-0.9844	16.3163
		Dif.	105.9547	17.9143	158.1430	17.3315	15.0268
0.765	24.315	Máx.	275.9212	-5.1311	342.2384	20.9234	28.7486
		Mín.	168.4312	-13.4448	183.4428	0.8189	7.6851
		Dif.	107.4900	8.3136	158.7956	20.1045	21.0636
0.765	24.565	Máx.	267.6321	4.9563	339.4943	21.6643	26.4586
		Mín.	164.9142	2.8455	181.1456	1.2317	-1.2825
		Dif.	102.7180	2.1108	158.3488	20.4326	27.7411
0.765	24.815	Máx.	280.1240	24.9519	337.6404	21.2153	24.5423
		Mín.	172.3397	14.7332	177.6148	1.4472	-10.5441
		Dif.	107.7843	10.2188	160.0256	19.7681	35.0863
0.765	25.065	Máx.	276.4439	46.5042	333.5373	16.3788	22.5710
		Mín.	171.1969	28.1205	170.2163	-1.5007	-20.4155
		Dif.	105.2470	18.3837	163.3210	17.8795	42.9865
0.765	25.315	Máx.	296.1804	70.3997	331.3520	10.2607	20.2422
		Mín.	183.3241	44.1568	161.5648	-6.9148	-31.4053
		Dif.	112.8563	26.2429	169.7872	17.1756	51.6474
0.765	25.565	Máx.	298.4005	101.7422	328.3407	-0.6052	17.2903
		Mín.	187.0817	64.9051	149.6765	-20.1647	-45.5792
		Dif.	111.3188	36.8370	178.6642	19.5596	62.8695
0.765	25.815	Máx.	307.0897	165.3594	329.9496	-13.4591	12.7524
		Mín.	196.5296	76.4012	136.1472	-46.6476	-69.8960
		Dif.	110.5601	88.9582	193.8024	33.1885	82.6484
0.765	26.065	Máx.	255.9866	284.4575	337.0626	-28.7550	0.3042
		Mín.	175.6064	71.2009	118.1351	-106.9339	-131.0658
		Dif.	80.3802	213.2566	218.9275	78.1789	131.3699
0.765	26.186	Máx.	255.9866	361.7076	337.0626	-42.2026	-58.2690
		Mín.	175.6064	60.8941	118.1351	-204.4533	-329.5206
		Dif.	80.3802	300.8136	218.9275	162.2507	271.2516
0.765	27.886	Máx.	211.5854	227.7068	322.2081	147.8871	290.7677
		Mín.	104.4013	-18.4845	179.7637	-24.2502	173.7019
		Dif.	107.1840	246.1913	142.4444	172.1374	117.0658
0.765	28.065	Máx.	211.5854	186.0099	322.2081	70.5743	119.0567
		Mín.	104.4013	-19.1038	179.7637	-15.4949	76.2216
		Dif.	107.1840	205.1137	142.4444	86.0692	42.8350
0.765	28.315	Máx.	281.8646	134.3880	302.2243	28.1137	68.8969
		Mín.	160.0203	-9.4418	165.7618	-4.7600	35.5301
		Dif.	121.8444	143.8298	136.4626	32.8737	33.3668
0.765	28.565	Máx.	299.4707	129.5178	284.4734	4.7119	54.2033
		Mín.	177.3414	9.4283	152.0171	-0.6880	10.8448
		Dif.	122.1293	120.0895	132.4563	5.3999	43.3585
0.765	28.815	Máx.	320.8589	162.0125	274.7687	0.6897	48.5706
		Mín.	194.6034	34.5720	133.5412	-20.8202	-7.3032
		Dif.	126.2555	127.4405	141.2275	21.5098	55.8738
0.765	29.065	Máx.	313.5741	237.0427	268.1696	-7.1706	46.9962
		Mín.	197.4386	63.1604	107.4583	-59.3299	-28.9953
		Dif.	116.1355	173.8823	160.7112	52.1593	75.9914



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.765	29.315	Máx.	305.3791	390.9836	264.9693	-21.7184	47.6201
		Mín.	202.8781	98.5414	77.1677	-136.4669	-71.7929
		Dif.	102.5009	292.4422	187.8016	114.7485	119.4130
0.765	29.516	Máx.	305.3791	497.0494	264.9693	-59.6764	29.8687
		Mín.	202.8781	121.8887	77.1677	-307.7291	-193.7760
		Dif.	102.5009	375.1606	187.8016	248.0527	223.6447
0.765	31.216	Máx.	167.8740	598.1302	293.3823	313.5770	332.4343
		Mín.	28.9228	70.5077	173.5217	30.3846	210.5402
		Dif.	138.9512	527.6225	119.8606	283.1923	121.8941
0.765	31.315	Máx.	167.8740	515.3052	293.3823	159.2639	151.3798
		Mín.	28.9228	68.9490	173.5217	15.2773	86.5863
		Dif.	138.9512	446.3562	119.8606	143.9866	64.7935
0.765	31.565	Máx.	236.8353	421.6482	251.4124	34.4339	95.5955
		Mín.	134.2727	73.0207	140.1967	2.0764	27.8975
		Dif.	102.5627	348.6275	111.2157	32.3575	67.6980
0.765	31.815	Máx.	289.5157	460.7567	222.9214	-10.1160	82.4318
		Mín.	178.7906	98.1066	103.5582	-63.8359	-3.0197
		Dif.	110.7251	362.6501	119.3631	53.7198	85.4515
0.765	32.065	Máx.	298.0327	644.2821	207.5517	-34.5441	90.3529
		Mín.	193.9768	146.9149	48.7086	-202.1324	-40.8226
		Dif.	104.0559	497.3672	158.8430	167.5883	131.1755
0.765	32.246	Máx.	298.0327	777.8671	207.5517	-87.1781	98.2061
		Mín.	193.9768	176.2677	48.7086	-455.3768	-133.6823
		Dif.	104.0559	601.5994	158.8430	368.1987	231.8884
0.765	33.946	Máx.	98.7741	763.9805	264.8220	433.4069	357.4855
		Mín.	-47.7281	134.0959	164.4957	70.7638	197.2588
		Dif.	146.5023	629.8845	100.3262	362.6431	160.2267
0.765	34.065	Máx.	98.7741	627.1086	264.8220	220.7296	192.0790
		Mín.	-47.7281	112.7328	164.4957	37.5647	77.6325
		Dif.	146.5023	514.3758	100.3262	183.1649	114.4465
0.765	34.315	Máx.	153.8617	447.3472	214.7812	75.3356	128.5211
		Mín.	77.5134	89.0553	128.9024	18.5979	31.7405
		Dif.	76.3483	358.2919	85.8787	56.7376	96.7806
0.765	34.565	Máx.	194.7669	414.6365	171.4778	8.2695	110.9556
		Mín.	116.8292	91.2979	94.9990	-12.6791	11.6975
		Dif.	77.9377	323.3386	76.4788	20.9486	99.2581
0.765	34.815	Máx.	236.6778	495.6427	143.3332	-5.9214	114.0878
		Mín.	144.0642	112.0369	47.0306	-103.3062	-2.4606
		Dif.	92.6136	383.6058	96.3026	97.3848	116.5484
0.765	35.065	Máx.	307.5248	736.4467	123.1453	-29.3096	140.2992
		Mín.	142.1600	156.5119	-17.8348	-262.7568	-22.0062
		Dif.	165.3648	579.9349	140.9802	233.4472	162.3054
0.765	35.234	Máx.	307.5248	906.4236	123.1453	-80.4786	184.2944
		Mín.	142.1600	184.8050	-17.8348	-552.2023	-72.8153
		Dif.	165.3648	721.6186	140.9802	471.7237	257.1098
0.765	36.934	Máx.	3.1729	807.9716	246.9402	483.7092	377.7759
		Mín.	-161.1428	143.9791	91.5169	79.4334	100.5873
		Dif.	164.3158	663.9925	155.4234	404.2759	277.1886
0.765	37.065	Máx.	3.1729	617.7775	246.9402	243.0848	217.4610
		Mín.	-161.1428	114.7408	91.5169	43.3185	38.3586
		Dif.	164.3158	503.0367	155.4234	199.7663	179.1023



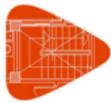
## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
0.765	37.315	Máx.	20.4430	334.3676	190.9814	98.6291	152.1864
		Mín.	-63.2036	72.1765	72.1264	26.8381	13.1860
		Dif.	83.6466	262.1911	118.8550	71.7909	139.0004
0.765	37.565	Máx.	19.5908	188.5941	149.3335	41.6019	129.2258
		Mín.	-24.2954	50.8908	57.2073	20.1224	1.9101
		Dif.	43.8862	137.7033	92.1262	21.4795	127.3157
0.765	37.815	Máx.	14.6365	103.6094	115.4229	26.1452	119.7942
		Mín.	-9.5714	37.8723	45.2322	11.8692	-5.1013
		Dif.	24.2079	65.7371	70.1907	14.2760	124.8955
0.765	38.065	Máx.	11.9912	51.1176	86.2027	26.1597	114.6269
		Mín.	-10.7510	24.3490	35.5495	6.3129	-10.7413
		Dif.	22.7422	26.7686	50.6531	19.8468	125.3682
0.765	38.315	Máx.	10.0847	24.6233	60.6725	29.2057	110.3521
		Mín.	-13.8069	7.8359	28.0214	8.2533	-16.0804
		Dif.	23.8916	16.7874	32.6511	20.9524	126.4325
0.765	38.565	Máx.	9.8099	15.9793	37.9972	34.1150	105.6664
		Mín.	-17.1322	-17.9615	21.8274	14.8199	-21.3313
		Dif.	26.9421	33.9408	16.1698	19.2951	126.9977
0.765	38.805	Máx.	9.8099	13.1332	37.9972	42.2513	107.9074
		Mín.	-17.1322	-31.6979	21.8274	19.2005	-24.3109
		Dif.	26.9421	44.8311	16.1698	23.0508	132.2183
1.015	0.325	Máx.	8.5135	49.2380	22.4454	67.6197	32.0027
		Mín.	-21.4614	-16.5840	8.3126	24.1566	-98.9865
		Dif.	29.9749	65.8220	14.1328	43.4632	130.9892
1.015	0.565	Máx.	8.5135	45.4526	22.4454	53.1011	28.4418
		Mín.	-21.4614	-16.9248	8.3126	24.6971	-96.3707
		Dif.	29.9749	62.3774	14.1328	28.4040	124.8125
1.015	0.815	Máx.	11.7973	38.5799	30.1431	44.9260	23.6555
		Mín.	-14.3987	-17.9822	13.0123	21.4245	-103.2310
		Dif.	26.1961	56.5621	17.1308	23.5016	126.8865
1.015	1.065	Máx.	20.4572	32.7079	39.2125	37.7081	19.1762
		Mín.	-7.5645	-20.1116	17.1527	17.5646	-109.4271
		Dif.	28.0217	52.8195	22.0598	20.1435	128.6033
1.015	1.315	Máx.	32.0619	28.2094	48.7888	31.3803	15.1259
		Mín.	0.0016	-22.9447	21.7775	14.2297	-114.5658
		Dif.	32.0603	51.1541	27.0112	17.1506	129.6917
1.015	1.565	Máx.	44.1105	24.8766	58.8562	25.8190	11.5174
		Mín.	8.1163	-25.6694	26.8777	11.3582	-118.5802
		Dif.	35.9942	50.5460	31.9786	14.4607	130.0977
1.015	1.815	Máx.	57.0340	22.3267	69.2778	22.1918	8.2994
		Mín.	16.8050	-27.9141	32.3616	7.6606	-121.5080
		Dif.	40.2290	50.2407	36.9162	14.5313	129.8074
1.015	2.065	Máx.	69.1059	20.1741	79.9569	19.2567	5.3928
		Mín.	25.6121	-29.6172	38.1681	3.8786	-123.4458
		Dif.	43.4938	49.7913	41.7888	15.3781	128.8386
1.015	2.315	Máx.	81.6062	18.4818	90.7015	16.8841	2.7524
		Mín.	35.0450	-30.5020	44.1780	0.1845	-124.4600
		Dif.	46.5612	48.9838	46.5235	16.6997	127.2125
1.015	2.565	Máx.	92.7497	17.2086	101.4080	14.9371	0.3242
		Mín.	44.1546	-30.4688	50.3382	-4.0829	-124.6302
		Dif.	48.5951	47.6774	51.0698	19.0200	124.9544



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.015	2.815	Máx.	103.8216	16.2902	111.8987	14.2165	-1.9597
		Mín.	53.2706	-29.5983	56.5447	-8.1822	-124.0523
		Dif.	50.5510	45.8886	55.3540	22.3987	122.0926
1.015	3.065	Máx.	113.2736	15.0489	122.1288	13.9146	-4.1856
		Mín.	61.7077	-28.1211	62.7955	-12.2114	-122.8414
		Dif.	51.5660	43.1699	59.3333	26.1260	118.6558
1.015	3.315	Máx.	123.5553	13.2995	131.9467	13.8389	-6.3885
		Mín.	70.9558	-25.7610	69.0159	-15.9314	-121.0538
		Dif.	52.5996	39.0604	62.9309	29.7703	114.6653
1.015	3.565	Máx.	132.3384	10.8198	141.3431	13.6924	-8.6143
		Mín.	79.6686	-22.2689	75.2376	-19.4846	-118.7455
		Dif.	52.6698	33.0887	66.1055	33.1770	110.1311
1.015	3.815	Máx.	141.5881	7.9401	150.1939	13.4316	-10.9466
		Mín.	89.0011	-18.5842	81.4033	-22.5542	-116.0193
		Dif.	52.5870	26.5243	68.7905	35.9858	105.0727
1.015	4.065	Máx.	149.1438	2.8538	158.5163	12.7259	-13.5335
		Mín.	97.5496	-14.3088	87.5580	-24.8748	-113.0550
		Dif.	51.5942	17.1627	70.9583	37.6007	99.5215
1.015	4.315	Máx.	160.7555	-3.7802	166.1318	11.6570	-16.5270
		Mín.	105.6309	-13.9101	93.5938	-25.3059	-110.0792
		Dif.	55.1246	10.1299	72.5380	36.9629	93.5522
1.015	4.565	Máx.	171.1334	4.1137	172.9431	9.7996	-20.2114
		Mín.	112.2617	-28.1758	99.2843	-22.9059	-107.5036
		Dif.	58.8717	32.2895	73.6588	32.7055	87.2922
1.015	4.815	Máx.	181.5679	15.5319	178.0853	7.1588	-25.1984
		Mín.	118.3523	-49.7615	104.0139	-15.0473	-106.1800
		Dif.	63.2156	65.2935	74.0714	22.2061	80.9816
1.015	5.065	Máx.	185.0329	30.3722	179.5197	8.4348	-32.7367
		Mín.	119.6687	-79.0579	105.8784	-0.9070	-107.6390
		Dif.	65.3642	109.4302	73.6413	9.3418	74.9023
1.015	5.315	Máx.	174.2388	51.5518	168.9158	38.9389	-44.8822
		Mín.	111.2761	-113.8487	100.3183	-3.7383	-113.8475
		Dif.	62.9627	165.4006	68.5975	42.6772	68.9653
1.015	5.565	Máx.	112.0576	80.4681	118.6677	91.0744	-60.6144
		Mín.	70.2817	-143.2965	70.7259	-14.3972	-122.3230
		Dif.	41.7759	223.7646	47.9418	105.4716	61.7086
1.015	5.590	Máx.	112.0576	96.4193	118.6677	126.2124	-126.5062
		Mín.	70.2817	-154.8176	70.7259	-25.8403	-225.4034
		Dif.	41.7759	251.2369	47.9418	152.0528	98.8972
1.015	7.290	Máx.	131.0489	-212.7035	90.9328	-76.3015	109.3847
		Mín.	78.8375	-409.9241	12.2001	-256.9019	-69.6534
		Dif.	52.2113	197.2206	78.7326	180.6004	179.0381
1.015	7.315	Máx.	131.0489	-182.2438	90.9328	-46.7473	43.7088
		Mín.	78.8375	-363.1422	12.2001	-187.5984	-54.8117
		Dif.	52.2113	180.8983	78.7326	140.8510	98.5205
1.015	7.565	Máx.	204.3784	-123.6708	140.6192	-14.8043	23.8998
		Mín.	123.2140	-269.9734	36.5220	-100.0160	-63.3960
		Dif.	81.1643	146.3027	104.0972	85.2117	87.2958
1.015	7.815	Máx.	231.5571	-71.9338	161.5791	2.3700	8.9746
		Mín.	141.1787	-190.3682	60.0063	-47.0973	-65.4916
		Dif.	90.3784	118.4344	101.5728	49.4673	74.4662



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.015	8.065	Máx.	238.7511	-28.5247	171.6861	9.6679	-2.9383
		Mín.	146.3487	-137.9004	80.5703	-16.0878	-66.7216
		Dif.	92.4024	109.3757	91.1158	25.7557	63.7833
1.015	8.315	Máx.	240.6887	12.0380	177.5506	11.5049	-14.9214
		Mín.	147.2881	-108.8568	92.9834	3.8740	-69.6833
		Dif.	93.4006	120.8948	84.5671	7.6309	54.7619
1.015	8.565	Máx.	226.5050	55.6751	174.7718	29.9055	-29.9594
		Mín.	137.8592	-96.7742	94.5530	2.5533	-75.8778
		Dif.	88.6458	152.4493	80.2188	27.3521	45.9184
1.015	8.815	Máx.	176.2982	104.8581	141.8118	59.0812	-47.4999
		Mín.	106.5617	-93.0983	78.2736	-13.0759	-85.7199
		Dif.	69.7365	197.9564	63.5382	72.1571	38.2200
1.015	8.960	Máx.	176.2982	131.1813	141.8118	88.9827	-94.0328
		Mín.	106.5617	-91.9227	78.2736	-45.8847	-161.4149
		Dif.	69.7365	223.1040	63.5382	134.8674	67.3822
1.015	10.660	Máx.	184.8322	-182.5537	143.4562	-76.2667	124.9901
		Mín.	106.5336	-280.8392	45.2708	-168.6774	-17.8112
		Dif.	78.2986	98.2856	98.1855	92.4107	142.8013
1.015	10.815	Máx.	184.8322	-156.4544	143.4562	-25.1426	57.2516
		Mín.	106.5336	-241.5072	45.2708	-92.8683	-26.1563
		Dif.	78.2986	85.0527	98.1855	67.7257	83.4079
1.015	11.065	Máx.	237.1759	-108.1581	188.1131	-0.1654	37.3038
		Mín.	139.8117	-168.5818	69.3640	-45.8585	-32.5471
		Dif.	97.3642	60.4238	118.7491	45.6931	69.8509
1.015	11.315	Máx.	255.1589	-68.3415	207.5357	14.4901	22.1810
		Mín.	152.7156	-108.5108	86.7663	-19.3404	-34.9617
		Dif.	102.4433	40.1693	120.7694	33.8305	57.1427
1.015	11.565	Máx.	258.5927	-33.6227	217.1527	21.7529	10.4641
		Mín.	156.3659	-66.4547	99.9240	-5.7735	-35.9929
		Dif.	102.2267	32.8321	117.2287	27.5264	46.4570
1.015	11.815	Máx.	262.0941	2.3879	221.0655	23.2415	-0.0336
		Mín.	158.7443	-38.4161	109.2581	0.8167	-37.1391
		Dif.	103.3498	40.8041	111.8074	22.4248	37.1055
1.015	12.065	Máx.	261.1669	38.9200	220.5328	18.8100	-11.1119
		Mín.	157.7040	-18.7787	114.2427	3.5909	-39.0372
		Dif.	103.4628	57.6987	106.2901	15.2191	27.9253
1.015	12.315	Máx.	259.2823	79.6558	214.9033	9.6569	-22.6807
		Mín.	155.1290	-3.5405	112.4863	3.7249	-43.6841
		Dif.	104.1533	83.1964	102.4170	5.9320	21.0033
1.015	12.565	Máx.	235.8173	130.1384	194.9068	10.8015	-32.4785
		Mín.	139.4399	12.6402	102.1231	-11.1186	-59.3975
		Dif.	96.3774	117.4982	92.7837	21.9201	26.9190
1.015	12.815	Máx.	154.9143	190.5595	132.6662	14.0200	-45.4298
		Mín.	90.4210	33.7315	69.1986	-43.5293	-84.0806
		Dif.	64.4933	156.8280	63.4676	57.5494	38.6508
1.015	12.845	Máx.	154.9143	223.0674	132.6662	11.9033	-99.8651
		Mín.	90.4210	46.0899	69.1986	-74.8225	-188.3999
		Dif.	64.4933	176.9774	63.4676	86.7258	88.5348
1.015	14.545	Máx.	151.0239	-165.0810	127.9641	-62.1792	180.9692
		Mín.	87.3096	-264.8793	48.1472	-110.7578	37.0547
		Dif.	63.7143	99.7983	79.8169	48.5786	143.9145



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.015	14.565	Máx.	151.0239	-142.1948	127.9641	-37.6992	78.2591
		Mín.	87.3096	-228.9043	48.1472	-77.9738	7.5389
		Dif.	63.7143	86.7095	79.8169	40.2746	70.7202
1.015	14.815	Máx.	239.5531	-97.5811	194.3524	-8.0447	51.4540
		Mín.	139.6473	-158.7044	79.8834	-38.3098	-3.7246
		Dif.	99.9058	61.1233	114.4690	30.2651	55.1785
1.015	15.065	Máx.	262.6164	-60.0552	218.6779	8.9708	31.2519
		Mín.	155.0372	-99.5470	96.2115	-16.3699	-9.5749
		Dif.	107.5792	39.4918	122.4664	25.3407	40.8268
1.015	15.315	Máx.	270.1254	-30.7445	228.7257	18.5033	16.7115
		Mín.	160.7051	-53.6189	105.7982	-4.8560	-12.7396
		Dif.	109.4203	22.8743	122.9275	23.3593	29.4511
1.015	15.565	Máx.	269.8737	-0.6578	232.0237	21.4547	4.7138
		Mín.	161.1955	-22.6951	111.1042	0.3156	-15.1073
		Dif.	108.6782	22.0373	120.9195	21.1391	19.8211
1.015	15.815	Máx.	271.2863	37.8836	230.3171	18.5178	-4.9727
		Mín.	161.4962	-0.2626	112.3060	1.7083	-17.5640
		Dif.	109.7901	38.1461	118.0111	16.8095	12.5913
1.015	16.065	Máx.	265.3821	80.3288	222.6960	8.9622	-11.2352
		Mín.	156.8075	21.5423	108.7437	-1.0959	-27.3372
		Dif.	108.5746	58.7866	113.9523	10.0581	16.1020
1.015	16.315	Máx.	248.0688	131.5096	202.7831	-1.5119	-19.2571
		Mín.	144.8626	47.2500	97.9224	-11.7997	-44.6425
		Dif.	103.2061	84.2596	104.8606	10.2878	25.3854
1.015	16.565	Máx.	178.1472	193.0935	148.5989	-11.5652	-29.4997
		Mín.	102.9884	79.0932	70.1504	-43.2040	-70.4719
		Dif.	75.1588	114.0003	78.4486	31.6388	40.9721
1.015	16.652	Máx.	178.1472	226.4073	148.5989	-28.6744	-69.2883
		Mín.	102.9884	95.2534	70.1504	-87.1519	-161.1911
		Dif.	75.1588	131.1539	78.4486	58.4775	91.9028
1.015	18.352	Máx.	204.8672	-114.7110	176.6614	-53.5473	141.3917
		Mín.	118.5749	-214.3370	79.7041	-99.6937	45.9661
		Dif.	86.2923	99.6260	96.9573	46.1464	95.4256
1.015	18.565	Máx.	204.8672	-98.5645	176.6614	-17.5495	69.2164
		Mín.	118.5749	-185.4388	79.7041	-34.6207	17.7515
		Dif.	86.2923	86.8743	96.9573	17.0712	51.4649
1.015	18.815	Máx.	252.3464	-68.2655	222.5206	-1.3200	48.1781
		Mín.	148.3215	-131.1523	103.6627	-13.0613	9.8777
		Dif.	104.0249	62.8868	118.8579	11.7413	38.3004
1.015	19.065	Máx.	260.4086	-44.2599	242.6589	13.8813	32.4689
		Mín.	155.2333	-87.3014	115.8484	-4.1231	5.5035
		Dif.	105.1753	43.0415	126.8105	18.0043	26.9654
1.015	19.315	Máx.	261.7154	-25.5033	252.9768	23.7422	20.7098
		Mín.	157.6073	-52.6633	122.5600	0.5549	3.0142
		Dif.	104.1081	27.1600	130.4168	23.1873	17.6957
1.015	19.565	Máx.	258.5020	-8.7494	258.1253	28.6983	11.6198
		Mín.	156.8390	-22.9266	125.8250	2.4615	1.5617
		Dif.	101.6630	14.1772	132.3003	26.2368	10.0580
1.015	19.815	Máx.	259.4367	9.0157	259.3162	29.6050	7.7734
		Mín.	157.5074	2.1877	126.1520	2.6878	-1.7654
		Dif.	101.9293	6.8280	133.1642	26.9172	9.5388

## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.015	20.065	Máx.	258.7863	38.9060	256.9818	25.9631	6.2148
		Mín.	156.6282	17.0509	123.6886	1.0760	-10.1538
		Dif.	102.1581	21.8551	133.2933	24.8872	16.3686
1.015	20.315	Máx.	263.2450	72.4446	250.8411	18.0532	4.1347
		Mín.	157.8317	33.7232	117.9853	-2.5026	-20.2782
		Dif.	105.4133	38.7214	132.8557	20.5557	24.4129
1.015	20.565	Máx.	261.9353	113.7391	239.0544	4.3542	1.0849
		Mín.	155.1756	55.0551	108.6580	-10.2959	-33.1968
		Dif.	106.7597	58.6840	130.3964	14.6502	34.2818
1.015	20.815	Máx.	247.9303	167.8193	215.2256	-13.6655	-4.3051
		Mín.	144.6054	84.2049	93.2656	-28.0861	-51.6745
		Dif.	103.3249	83.6144	121.9600	14.4206	47.3694
1.015	21.065	Máx.	178.9446	234.4556	156.2440	-34.6676	-14.1142
		Mín.	102.9030	120.8782	63.7491	-65.6508	-77.3462
		Dif.	76.0416	113.5773	92.4948	30.9831	63.2320
1.015	21.151	Máx.	178.9446	269.6168	156.2440	-61.8414	-46.2076
		Mín.	102.9030	140.2915	63.7491	-118.2250	-172.9916
		Dif.	76.0416	129.3253	92.4948	56.3836	126.7840
1.015	22.851	Máx.	207.1531	-80.9215	182.1447	-32.9366	148.0719
		Mín.	122.0075	-214.6164	94.2083	-103.6006	76.1666
		Dif.	85.1456	133.6949	87.9364	70.6640	71.9052
1.015	23.065	Máx.	207.1531	-69.3708	182.1447	-10.5218	74.5653
		Mín.	122.0075	-188.3894	94.2083	-37.7243	38.6270
		Dif.	85.1456	119.0187	87.9364	27.2025	35.9383
1.015	23.315	Máx.	252.4930	-48.2903	229.4145	-4.1011	55.2611
		Mín.	150.0009	-139.3433	119.5580	-11.2221	29.0661
		Dif.	102.4921	91.0531	109.8565	7.1210	26.1950
1.015	23.565	Máx.	258.4942	-32.6735	250.6947	7.9247	41.6213
		Mín.	155.4741	-99.5662	130.7044	-3.8069	22.7080
		Dif.	103.0201	66.8927	119.9903	11.7316	18.9133
1.015	23.815	Máx.	256.0472	-21.2792	262.3806	19.8729	33.4261
		Mín.	155.4434	-67.7564	135.9456	-1.4787	18.5904
		Dif.	100.6038	46.4771	126.4350	21.3515	14.8358
1.015	24.065	Máx.	248.0566	-11.7575	269.2297	27.1364	30.7411
		Mín.	151.8047	-41.3654	137.9152	-0.0350	13.9186
		Dif.	96.2519	29.6079	131.3145	27.1714	16.8225
1.015	24.315	Máx.	245.2896	-2.5605	272.4787	31.3985	29.7860
		Mín.	150.5408	-18.2076	137.3105	1.3779	6.7191
		Dif.	94.7488	15.6471	135.1682	30.0205	23.0669
1.015	24.565	Máx.	242.3613	8.3190	272.5712	32.6845	29.2226
		Mín.	148.8744	3.9629	134.4133	2.2236	-0.2549
		Dif.	93.4870	4.3562	138.1579	30.4608	29.4776
1.015	24.815	Máx.	244.9810	30.8544	269.4835	31.5181	29.1197
		Mín.	149.7420	18.4139	129.0552	2.1453	-7.4947
		Dif.	95.2390	12.4405	140.4283	29.3728	36.6145
1.015	25.065	Máx.	246.4328	58.5518	263.3034	27.0744	28.9784
		Mín.	149.5353	34.3622	121.0152	-0.2677	-15.4030
		Dif.	96.8975	24.1896	142.2883	27.3421	44.3814
1.015	25.315	Máx.	252.8120	92.3933	253.5981	19.3177	28.3779
		Mín.	151.4950	55.4596	109.7939	-6.4923	-24.4320
		Dif.	101.3169	36.9338	143.8042	25.8100	52.8099



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.015	25.565	Máx.	253.5867	136.4308	238.7456	6.4511	26.8950
		Mín.	149.7604	84.4012	95.2399	-20.3622	-35.7232
		Dif.	103.8263	52.0297	143.5057	26.8134	62.6182
1.015	25.815	Máx.	243.0353	195.4028	213.2883	-13.3181	23.8134
		Mín.	140.9157	123.6489	76.1762	-47.2102	-51.4276
		Dif.	102.1196	71.7539	137.1121	33.8921	75.2410
1.015	26.065	Máx.	183.4434	267.9784	157.8988	-45.1108	16.1681
		Mín.	104.3690	171.4130	49.1344	-95.2457	-72.8620
		Dif.	79.0744	96.5654	108.7644	50.1348	89.0301
1.015	26.186	Máx.	183.4434	306.1457	157.8988	-96.3973	2.1593
		Mín.	104.3690	196.3687	49.1344	-163.2692	-155.6107
		Dif.	79.0744	109.7770	108.7644	66.8719	157.7699
1.015	27.886	Máx.	194.6459	82.5883	152.9822	79.3572	153.6025
		Mín.	115.2904	-139.9340	84.1060	-55.6560	96.6567
		Dif.	79.3555	222.5223	68.8763	135.0132	56.9457
1.015	28.065	Máx.	194.6459	85.9837	152.9822	50.6021	79.4347
		Mín.	115.2904	-112.4591	84.1060	-15.7607	49.3359
		Dif.	79.3555	198.4428	68.8763	66.3627	30.0989
1.015	28.315	Máx.	247.3762	96.4424	184.4223	25.2147	70.7194
		Mín.	145.6297	-58.6783	99.0477	1.7720	29.3092
		Dif.	101.7465	155.1208	85.3745	23.4426	41.4103
1.015	28.565	Máx.	259.0304	117.2403	187.0581	9.6999	65.1576
		Mín.	152.0282	-9.0651	95.1810	1.9045	12.6951
		Dif.	107.0022	126.3054	91.8771	7.7954	52.4625
1.015	28.815	Máx.	257.3386	156.5185	181.6514	9.2695	62.7491
		Mín.	149.8701	39.5512	78.3937	-21.8670	-1.3016
		Dif.	107.4686	116.9672	103.2577	31.1365	64.0507
1.015	29.065	Máx.	236.8360	218.4425	166.2106	-0.4628	61.1437
		Mín.	136.1790	92.8179	56.2063	-59.0964	-16.2625
		Dif.	100.6570	125.6246	110.0043	58.6336	77.4062
1.015	29.315	Máx.	185.5525	298.0225	129.7887	-22.2735	56.6297
		Mín.	104.3110	153.0032	31.5257	-120.6475	-34.6692
		Dif.	81.2415	145.0193	98.2630	98.3739	91.2989
1.015	29.516	Máx.	185.5525	340.9507	129.7887	-78.3055	62.4299
		Mín.	104.3110	185.2308	31.5257	-233.0671	-85.7316
		Dif.	81.2415	155.7199	98.2630	154.7616	148.1615
1.015	31.216	Máx.	153.1422	357.0272	118.4032	201.3300	193.2178
		Mín.	89.5679	-39.0128	68.8570	3.5589	111.3602
		Dif.	63.5743	396.0400	49.5462	197.7711	81.8576
1.015	31.315	Máx.	153.1422	354.9252	118.4032	116.6937	112.9775
		Mín.	89.5679	-13.6748	68.8570	10.9105	48.3163
		Dif.	63.5743	368.6000	49.5462	105.7832	64.6612
1.015	31.565	Máx.	205.1697	364.4161	136.6449	27.3994	105.9987
		Mín.	119.6639	37.9102	74.2869	6.4131	26.5935
		Dif.	85.5058	326.5058	62.3580	20.9862	79.4052
1.015	31.815	Máx.	205.3181	409.6249	124.9813	-5.1505	101.1295
		Mín.	118.6149	93.7258	51.5938	-65.3565	8.0309
		Dif.	86.7033	315.8990	73.3876	60.2060	93.0986
1.015	32.065	Máx.	155.6571	488.7005	95.8172	-30.6088	95.7337
		Mín.	88.1856	153.6424	19.6346	-175.7855	-10.1982
		Dif.	67.4716	335.0581	76.1826	145.1766	105.9319

## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.015	32.246	Máx.	155.6571	534.1603	95.8172	-84.2177	122.0321
		Mín.	88.1856	183.9903	19.6346	-342.1637	-44.9557
		Dif.	67.4716	350.1699	76.1826	257.9460	166.9878
1.015	33.946	Máx.	124.0644	426.1258	114.1060	277.6056	242.2939
		Mín.	74.6371	9.9565	70.6491	35.2150	103.6966
		Dif.	49.4274	416.1693	43.4569	242.3906	138.5974
1.015	34.065	Máx.	124.0644	405.0671	114.1060	166.6680	148.8337
		Mín.	74.6371	21.8546	70.6491	31.3757	49.0128
		Dif.	49.4274	383.2125	43.4569	135.2923	99.8208
1.015	34.315	Máx.	160.8774	374.8211	124.9250	66.8832	142.2949
		Mín.	96.0522	46.4078	74.5641	22.8390	33.4224
		Dif.	64.8253	328.4133	50.3609	44.0441	108.8725
1.015	34.565	Máx.	161.2257	379.8723	104.6358	12.9243	137.7248
		Mín.	95.5791	73.2885	55.9915	-15.5499	21.2342
		Dif.	65.6466	306.5839	48.6443	28.4742	116.4906
1.015	34.815	Máx.	144.0859	434.6711	85.3970	-1.6087	136.9451
		Mín.	84.2543	106.4889	18.7514	-101.6253	11.1370
		Dif.	59.8317	328.1822	66.6456	100.0166	125.8081
1.015	35.065	Máx.	100.7847	527.2846	59.0473	-25.7318	133.8735
		Mín.	57.4339	146.1748	-12.3653	-220.7631	0.6940
		Dif.	43.3508	381.1098	71.4126	195.0313	133.1795
1.015	35.234	Máx.	100.7847	579.3378	59.0473	-71.6875	180.4448
		Mín.	57.4339	166.8858	-12.3653	-396.0204	-16.7128
		Dif.	43.3508	412.4520	71.4126	324.3328	197.1576
1.015	36.934	Máx.	64.5496	389.5681	123.7548	295.7219	256.3317
		Mín.	21.0741	49.4753	42.8785	55.8644	55.5193
		Dif.	43.4755	340.0928	80.8763	239.8575	200.8124
1.015	37.065	Máx.	64.5496	342.5588	123.7548	183.0899	162.5920
		Mín.	21.0741	46.1992	42.8785	42.6295	26.6126
		Dif.	43.4755	296.3595	80.8763	140.4604	135.9794
1.015	37.315	Máx.	71.5309	247.1108	137.4739	92.9329	152.7650
		Mín.	20.2876	38.8561	48.4743	32.6100	16.8042
		Dif.	51.2434	208.2548	88.9997	60.3228	135.9608
1.015	37.565	Máx.	62.6691	160.0112	122.0243	48.3360	142.6686
		Mín.	13.0318	30.7688	43.7677	23.9916	8.6553
		Dif.	49.6374	129.2425	78.2566	24.3444	134.0133
1.015	37.815	Máx.	49.5215	92.7526	99.4003	34.5257	135.5955
		Mín.	4.3247	23.3602	36.6986	15.7701	2.0104
		Dif.	45.1967	69.3924	62.7017	18.7556	133.5850
1.015	38.065	Máx.	35.6123	44.2077	76.2697	34.9381	129.8012
		Mín.	-4.0936	13.9300	29.6024	11.4875	-3.9771
		Dif.	39.7059	30.2777	46.6673	23.4506	133.7783
1.015	38.315	Máx.	24.2632	16.3923	54.7009	38.1758	124.0374
		Mín.	-11.5060	1.1370	23.1789	15.4533	-9.7937
		Dif.	35.7692	15.2552	31.5220	22.7225	133.8311
1.015	38.565	Máx.	19.1996	10.3645	35.0148	44.8242	117.8956
		Mín.	-18.8019	-23.6044	17.3952	21.9264	-15.5666
		Dif.	38.0015	33.9689	17.6196	22.8978	133.4622
1.015	38.805	Máx.	19.1996	9.3308	35.0148	55.0155	123.0810
		Mín.	-18.8019	-36.1028	17.3952	26.1144	-18.8236
		Dif.	38.0015	45.4336	17.6196	28.9011	141.9046



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.265	0.325	Máx.	7.3184	72.4622	19.2538	94.3638	27.4645
		Mín.	-26.5891	-7.6388	6.4282	32.9470	-103.1941
		Dif.	33.9074	80.1009	12.8256	61.4168	130.6586
1.265	0.565	Máx.	7.3184	63.0963	19.2538	69.5710	23.7106
		Mín.	-26.5891	-8.7115	6.4282	31.3790	-99.1068
		Dif.	33.9074	71.8078	12.8256	38.1920	122.8174
1.265	0.815	Máx.	8.6162	48.6392	25.1960	57.2408	17.9885
		Mín.	-18.5277	-10.4678	9.4090	27.0658	-105.7563
		Dif.	27.1439	59.1070	15.7870	30.1750	123.7447
1.265	1.065	Máx.	15.8336	39.9240	32.0819	47.8008	12.9672
		Mín.	-11.0250	-12.1969	12.5533	22.3528	-112.0176
		Dif.	26.8586	52.1209	19.5285	25.4480	124.9848
1.265	1.315	Máx.	25.9070	33.4798	39.5527	39.7321	8.5156
		Mín.	-3.3679	-14.4214	15.9620	18.0871	-117.2604
		Dif.	29.2748	47.9011	23.5907	21.6450	125.7760
1.265	1.565	Máx.	37.1904	28.5070	47.5306	32.6438	4.5969
		Mín.	4.4535	-16.7384	19.6111	14.3951	-121.3615
		Dif.	32.7369	45.2454	27.9195	18.2487	125.9585
1.265	1.815	Máx.	48.7835	24.5668	55.7704	27.7100	1.1725
		Mín.	12.6072	-18.8222	23.5685	9.9194	-124.3515
		Dif.	36.1763	43.3890	32.2019	17.7906	125.5240
1.265	2.065	Máx.	60.5563	21.3705	64.1828	23.9650	-1.8100
		Mín.	20.9685	-20.4679	27.7803	5.2462	-126.3220
		Dif.	39.5878	41.8384	36.4024	18.7188	124.5120
1.265	2.315	Máx.	72.1791	18.7950	72.6048	20.8292	-4.3943
		Mín.	29.5373	-21.4824	32.1563	0.5428	-127.3635
		Dif.	42.6418	40.2773	40.4484	20.2865	122.9692
1.265	2.565	Máx.	83.2154	16.7161	80.9640	18.2626	-6.6329
		Mín.	38.0583	-21.7520	36.6618	-4.5616	-127.5744
		Dif.	45.1571	38.4681	44.3021	22.8242	120.9416
1.265	2.815	Máx.	93.8363	14.9251	89.1062	16.8761	-8.5910
		Mín.	46.5108	-21.2421	41.2248	-9.5546	-127.0658
		Dif.	47.3256	36.1672	47.8814	26.4306	118.4748
1.265	3.065	Máx.	103.8926	13.1443	96.9545	16.4712	-10.3395
		Mín.	54.7958	-19.9301	45.8205	-14.2846	-125.9509
		Dif.	49.0968	33.0744	51.1339	30.7558	115.6114
1.265	3.315	Máx.	113.9124	11.4805	104.3151	16.2633	-11.9240
		Mín.	63.1198	-17.6783	50.3632	-18.7215	-124.3086
		Dif.	50.7927	29.1589	53.9519	34.9847	112.3845
1.265	3.565	Máx.	123.6522	10.0376	111.1319	16.1069	-13.3940
		Mín.	71.3610	-14.8996	54.8544	-22.8519	-122.2045
		Dif.	52.2911	24.9372	56.2775	38.9587	108.8105
1.265	3.815	Máx.	133.5472	7.9858	117.2001	15.8586	-14.8240
		Mín.	79.6851	-10.9770	59.2147	-26.4927	-119.7122
		Dif.	53.8620	18.9627	57.9854	42.3513	104.8882
1.265	4.065	Máx.	143.4377	4.8481	122.3646	15.2952	-16.3180
		Mín.	87.9763	-6.5762	63.3862	-29.2864	-116.9047
		Dif.	55.4614	11.4242	58.9785	44.5816	100.5868
1.265	4.315	Máx.	153.9390	6.6123	126.1496	14.1861	-17.9784
		Mín.	96.6342	-8.3923	67.1036	-30.5504	-113.8097
		Dif.	57.3049	15.0046	59.0459	44.7365	95.8313



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.265	4.565	Máx.	164.2000	19.0119	127.9326	12.1454	-19.9431
		Mín.	104.8790	-17.6010	69.9745	-29.5027	-110.4102
		Dif.	59.3210	36.6129	57.9581	41.6481	90.4671
1.265	4.815	Máx.	172.8797	36.0028	126.2787	8.5568	-22.4203
		Mín.	111.6524	-28.5548	70.9130	-24.3762	-106.6342
		Dif.	61.2273	64.5575	55.3656	32.9330	84.2139
1.265	5.065	Máx.	174.5843	59.0757	118.3494	4.1390	-25.6420
		Mín.	112.9544	-39.1959	67.7758	-14.8368	-102.1708
		Dif.	61.6299	98.2716	50.5735	18.9758	76.5288
1.265	5.315	Máx.	156.9258	88.6878	97.4377	8.8849	-29.5008
		Mín.	100.7822	-45.2631	56.5161	-10.4204	-95.8073
		Dif.	56.1435	133.9509	40.9216	19.3053	66.3064
1.265	5.565	Máx.	89.6623	117.7033	51.1284	30.2604	-32.2296
		Mín.	56.6580	-44.4691	29.9324	-30.9236	-83.5548
		Dif.	33.0043	162.1724	21.1961	61.1840	51.3252
1.265	5.590	Máx.	89.6623	130.3184	51.1284	41.4019	-63.7634
		Mín.	56.6580	-42.4905	29.9324	-48.1141	-140.0718
		Dif.	33.0043	172.8089	21.1961	89.5160	76.3084
1.265	7.290	Máx.	66.3819	-167.5474	38.2534	-74.1037	36.3729
		Mín.	19.7726	-256.1912	3.5367	-175.3724	-82.2391
		Dif.	46.6092	88.6437	34.7168	101.2688	118.6120
1.265	7.315	Máx.	66.3819	-155.8642	38.2534	-47.4409	13.9776
		Mín.	19.7726	-236.6805	3.5367	-137.1166	-56.9368
		Dif.	46.6092	80.8163	34.7168	89.6757	70.9144
1.265	7.565	Máx.	127.7321	-120.4573	77.0868	-13.9192	6.5939
		Mín.	60.1070	-192.4670	15.0175	-81.8084	-70.9738
		Dif.	67.6251	72.0096	62.0693	67.8893	77.5677
1.265	7.815	Máx.	161.8957	-74.6475	98.4661	5.5174	-0.3104
		Mín.	90.5087	-144.8327	29.5229	-42.9453	-76.0968
		Dif.	71.3870	70.1852	68.9432	48.4627	75.7864
1.265	8.065	Máx.	181.0851	-23.8006	108.3889	13.8919	-6.3590
		Mín.	108.3077	-104.6929	43.3666	-18.2804	-76.5317
		Dif.	72.7774	80.8923	65.0223	32.1724	70.1727
1.265	8.315	Máx.	188.9374	25.9286	108.5139	14.2218	-12.2328
		Mín.	116.0412	-75.0150	52.5787	-2.9852	-74.8653
		Dif.	72.8962	100.9435	55.9352	17.2070	62.6326
1.265	8.565	Máx.	177.4846	76.7112	98.6103	14.4439	-18.5260
		Mín.	110.6181	-53.6125	51.1063	2.4807	-71.6445
		Dif.	66.8665	130.3236	47.5040	11.9632	53.1184
1.265	8.815	Máx.	128.4628	124.1132	67.9492	27.4425	-24.7380
		Mín.	80.5018	-37.6664	36.1861	-18.8773	-65.3547
		Dif.	47.9610	161.7796	31.7631	46.3197	40.6167
1.265	8.960	Máx.	128.4628	145.7674	67.9492	37.3226	-51.0029
		Mín.	80.5018	-31.0537	36.1861	-55.9408	-99.2214
		Dif.	47.9610	176.8211	31.7631	93.2634	48.2184
1.265	10.660	Máx.	115.9791	-146.0127	74.6020	-81.0058	53.3603
		Mín.	51.1260	-246.7803	20.6879	-128.7477	-40.3964
		Dif.	64.8531	100.7676	53.9141	47.7419	93.7567
1.265	10.815	Máx.	115.9791	-131.4173	74.6020	-32.3560	25.0535
		Mín.	51.1260	-220.9095	20.6879	-74.9580	-35.7678
		Dif.	64.8531	89.4922	53.9141	42.6020	60.8212



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.265	11.065	Máx.	167.2131	-99.0681	115.2964	-0.1515	18.3505
		Mín.	89.7604	-164.7226	36.6827	-40.2694	-42.2591
		Dif.	77.4528	65.6545	78.6138	40.1179	60.6097
1.265	11.315	Máx.	193.2192	-65.1678	138.5638	18.7693	11.5825
		Mín.	111.1832	-107.2896	50.1389	-18.7278	-44.0120
		Dif.	82.0360	42.1218	88.4249	37.4971	55.5944
1.265	11.565	Máx.	205.7844	-34.8948	150.8758	28.1263	5.5145
		Mín.	122.7044	-57.8124	60.7512	-7.1005	-43.5275
		Dif.	83.0800	22.9176	90.1246	35.2268	49.0421
1.265	11.815	Máx.	212.5580	5.9509	154.8180	30.0561	-0.2414
		Mín.	128.6251	-28.6972	67.8718	-1.6540	-42.0083
		Dif.	83.9329	34.6480	86.9462	31.7102	41.7669
1.265	12.065	Máx.	213.8130	52.1283	151.1808	25.0169	-6.3364
		Mín.	129.6867	-6.9287	70.5712	0.0770	-40.2538
		Dif.	84.1263	59.0570	80.6097	24.9399	33.9174
1.265	12.315	Máx.	206.4323	103.2169	137.9705	12.3266	-13.4123
		Mín.	124.4462	13.2086	67.3593	-1.0468	-38.8223
		Dif.	81.9861	90.0083	70.6112	13.3734	25.4100
1.265	12.565	Máx.	176.4088	160.3692	110.0783	-1.0435	-19.3652
		Mín.	105.1196	34.7880	55.5409	-12.7810	-38.8141
		Dif.	71.2892	125.5812	54.5375	11.7376	19.4489
1.265	12.815	Máx.	97.3447	212.3544	56.9448	-7.9456	-21.8777
		Mín.	57.0951	54.3710	28.9662	-52.9826	-41.8727
		Dif.	40.2495	157.9834	27.9786	45.0370	19.9949
1.265	12.845	Máx.	97.3447	234.4988	56.9448	-15.6294	-44.7877
		Mín.	57.0951	62.6049	28.9662	-86.4413	-83.4648
		Dif.	40.2495	171.8939	27.9786	70.8118	38.6772
1.265	14.545	Máx.	86.6735	-135.4589	54.6129	-62.9122	74.2751
		Mín.	44.2805	-248.7542	18.8992	-103.2803	-3.9532
		Dif.	42.3930	113.2953	35.7136	40.3680	78.2283
1.265	14.565	Máx.	86.6735	-124.5383	54.6129	-43.2497	34.5725
		Mín.	44.2805	-226.9741	18.8992	-70.4145	-8.2222
		Dif.	42.3930	102.4358	35.7136	27.1648	42.7947
1.265	14.815	Máx.	167.0040	-96.6339	110.5477	-11.5335	27.1075
		Mín.	91.6187	-173.5660	40.7242	-34.6863	-14.6652
		Dif.	75.3853	76.9322	69.8235	23.1528	41.7727
1.265	15.065	Máx.	201.1894	-63.6994	140.9005	12.3268	18.6564
		Mín.	115.8850	-113.4406	55.0082	-15.9606	-17.3621
		Dif.	85.3044	49.7411	85.8923	28.2874	36.0185
1.265	15.315	Máx.	215.1611	-33.5353	156.1779	24.8882	11.1682
		Mín.	127.2846	-59.8063	63.9837	-5.8226	-18.0942
		Dif.	87.8765	26.2710	92.1942	30.7108	29.2624
1.265	15.565	Máx.	219.7693	-2.2027	161.5007	28.9143	4.4256
		Mín.	131.0998	-18.7029	68.6994	-1.1663	-17.6135
		Dif.	88.6696	16.5002	92.8013	30.0805	22.0391
1.265	15.815	Máx.	219.2589	46.7409	158.2930	25.3995	-1.2122
		Mín.	130.4522	4.4785	69.1089	-0.2578	-16.8416
		Dif.	88.8067	42.2623	89.1841	25.6573	15.6294
1.265	16.065	Máx.	210.1597	99.7412	145.9829	13.6172	-5.0337
		Mín.	123.3629	27.7030	64.4027	-3.1257	-18.3285
		Dif.	86.7968	72.0382	81.5803	16.7429	13.2948

## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.265	16.315	Máx.	183.1761	158.5882	119.9310	-4.8820	-8.0907
		Mín.	105.2319	53.0286	53.0031	-13.5502	-23.8511
		Dif.	77.9442	105.5596	66.9279	8.6682	15.7604
1.265	16.565	Máx.	114.8909	214.8255	71.1161	-19.1962	-10.8692
		Mín.	64.2144	76.7309	31.2824	-50.2842	-31.8211
		Dif.	50.6765	138.0946	39.8337	31.0881	20.9519
1.265	16.652	Máx.	114.8909	240.0966	71.1161	-36.9675	-26.0363
		Mín.	64.2144	87.0046	31.2824	-96.6725	-68.7360
		Dif.	50.6765	153.0921	39.8337	59.7050	42.6998
1.265	18.352	Máx.	142.4322	-105.6219	98.8212	-58.4362	65.7435
		Mín.	79.8060	-239.0371	40.9763	-113.2500	11.8798
		Dif.	62.6262	133.4151	57.8449	54.8139	53.8637
1.265	18.565	Máx.	142.4322	-94.1636	98.8212	-22.5049	33.8626
		Mín.	79.8060	-213.0033	40.9763	-41.1575	1.5891
		Dif.	62.6262	118.8396	57.8449	18.6526	32.2735
1.265	18.815	Máx.	192.4083	-69.3928	143.7768	-1.8221	26.9372
		Mín.	112.4634	-159.3628	60.5465	-14.3345	-0.8273
		Dif.	79.9449	89.9700	83.2302	12.5124	27.7645
1.265	19.065	Máx.	211.5809	-45.3196	170.5116	18.5791	19.7809
		Mín.	126.9365	-108.4018	72.7687	-5.2315	-1.7864
		Dif.	84.6444	63.0822	97.7429	23.8105	21.5673
1.265	19.315	Máx.	218.2528	-25.9170	186.0952	30.4945	13.5059
		Mín.	132.6179	-65.0754	80.0243	-0.7920	-1.4502
		Dif.	85.6349	39.1583	106.0710	31.2864	14.9561
1.265	19.565	Máx.	219.6427	-9.3990	194.1708	36.3478	9.6475
		Mín.	134.2870	-27.7002	83.6660	1.0577	-0.5296
		Dif.	85.3557	18.3012	110.5047	35.2901	10.1771
1.265	19.815	Máx.	219.8903	9.5560	196.0289	37.3595	8.9626
		Mín.	134.2788	2.5371	84.1506	1.2351	-1.5272
		Dif.	85.6116	7.0189	111.8783	36.1244	10.4898
1.265	20.065	Máx.	218.7669	45.1051	192.1302	33.6205	9.7512
		Mín.	132.4889	18.8810	81.6935	-0.1830	-5.9549
		Dif.	86.2780	26.2240	110.4368	33.8035	15.7061
1.265	20.315	Máx.	216.4506	85.6814	181.9032	24.5119	10.0974
		Mín.	128.6911	37.3747	75.7539	-3.7274	-11.7119
		Dif.	87.7595	48.3067	106.1493	28.2392	21.8093
1.265	20.565	Máx.	207.1698	133.9895	163.3022	8.1122	9.5029
		Mín.	119.8614	60.8438	66.1016	-11.0891	-18.6429
		Dif.	87.3083	73.1457	97.2006	19.2012	28.1459
1.265	20.815	Máx.	180.4226	191.1516	131.4716	-15.3036	7.4472
		Mín.	100.6689	89.7075	51.3384	-27.5556	-26.9614
		Dif.	79.7537	101.4440	80.1332	12.2521	34.4086
1.265	21.065	Máx.	112.6321	247.6238	76.6712	-36.8803	2.8668
		Mín.	60.0449	117.2987	28.8164	-72.2554	-35.0805
		Dif.	52.5872	130.3251	47.8548	35.3751	37.9472
1.265	21.151	Máx.	112.6321	273.3296	76.6712	-62.2971	-5.9131
		Mín.	60.0449	129.1727	28.8164	-125.6220	-74.1045
		Dif.	52.5872	144.1569	47.8548	63.3249	68.1913
1.265	22.851	Máx.	148.4943	-88.8580	103.2979	-48.1403	70.2130
		Mín.	88.4775	-253.1167	49.8163	-126.5713	35.6452
		Dif.	60.0169	164.2587	53.4816	78.4310	34.5678



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.265	23.065	Máx.	148.4943	-78.9779	103.2979	-21.1677	37.8589
		Mín.	88.4775	-227.1418	49.8163	-47.4422	18.8187
		Dif.	60.0169	148.1639	53.4816	26.2745	19.0403
1.265	23.315	Máx.	197.4873	-58.2888	150.6242	-7.9917	32.6931
		Mín.	119.9494	-174.0085	72.2068	-14.1391	16.7808
		Dif.	77.5379	115.7197	78.4174	6.1474	15.9123
1.265	23.565	Máx.	214.0949	-39.2807	179.6011	11.7603	28.8165
		Mín.	131.4405	-124.4024	85.1424	-7.0024	14.9080
		Dif.	82.6543	85.1217	94.4586	18.7627	13.9085
1.265	23.815	Máx.	217.5496	-24.8297	197.7411	25.8139	28.3098
		Mín.	134.5194	-83.7327	92.3061	-4.0435	12.6670
		Dif.	83.0302	58.9030	105.4350	29.8573	15.6428
1.265	24.065	Máx.	215.6657	-13.5302	208.9033	34.0857	29.3387
		Mín.	133.8409	-50.6279	95.7186	-2.1359	8.6365
		Dif.	81.8248	37.0976	113.1846	36.2216	20.7022
1.265	24.315	Máx.	213.4154	-3.3947	214.5292	38.5060	30.5932
		Mín.	132.2985	-22.3963	96.1291	-0.6670	4.5327
		Dif.	81.1169	19.0016	118.4001	39.1730	26.0605
1.265	24.565	Máx.	211.0874	7.5639	215.4303	39.9036	32.1390
		Mín.	130.1284	3.7440	93.9761	0.2905	0.7610
		Dif.	80.9590	3.8200	121.4542	39.6131	31.3780
1.265	24.815	Máx.	209.6562	33.1513	211.6394	38.5456	34.0841
		Mín.	127.7764	18.2234	89.2401	0.2825	-3.2822
		Dif.	81.8798	14.9279	122.3993	38.2631	37.3663
1.265	25.065	Máx.	207.6141	64.2713	203.1559	33.9190	35.9585
		Mín.	124.1946	34.4171	81.8574	-1.7600	-7.7858
		Dif.	83.4195	29.8542	121.2985	35.6789	43.7443
1.265	25.315	Máx.	204.6348	102.4673	189.1768	24.9851	37.2329
		Mín.	118.8146	55.4975	71.4442	-7.4962	-12.9068
		Dif.	85.8202	46.9698	117.7325	32.4813	50.1396
1.265	25.565	Máx.	195.2710	150.6236	167.8660	9.4759	37.2338
		Mín.	108.8703	83.0261	58.2400	-19.7345	-18.9527
		Dif.	86.4007	67.5975	109.6260	29.2104	56.1865
1.265	25.815	Máx.	170.7259	209.0407	135.0438	-16.2188	34.8818
		Mín.	90.1241	116.5922	42.1331	-42.1116	-26.0279
		Dif.	80.6018	92.4485	92.9107	25.8928	60.9097
1.265	26.065	Máx.	115.7737	267.4340	82.4644	-53.3110	28.0894
		Mín.	50.2717	148.9305	22.9706	-79.9106	-32.8244
		Dif.	65.5020	118.5035	59.4938	26.5996	60.9138
1.265	26.186	Máx.	115.7737	294.2039	82.4644	-93.0898	30.2660
		Mín.	50.2717	163.1803	22.9706	-146.7747	-67.0427
		Dif.	65.5020	131.0236	59.4938	53.6849	97.3087
1.265	27.886	Máx.	141.1189	25.3244	74.7892	31.6187	92.8307
		Mín.	87.7768	-156.4552	39.7746	-65.7132	53.6147
		Dif.	53.3421	181.7796	35.0145	97.3319	39.2160
1.265	28.065	Máx.	141.1189	33.5631	74.7892	22.8557	62.8590
		Mín.	87.7768	-132.2064	39.7746	-20.5476	25.4379
		Dif.	53.3421	165.7694	35.0145	43.4034	37.4211
1.265	28.315	Máx.	188.8355	54.0181	103.9321	11.8839	68.6620
		Mín.	114.5365	-78.9688	53.7337	2.3755	18.3998
		Dif.	74.2991	132.9870	50.1984	9.5084	50.2622



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.265	28.565	Máx.	198.4111	81.5468	114.1211	13.1536	71.6598
		Mín.	116.8207	-21.4433	52.2672	-4.3800	11.3085
		Dif.	81.5904	102.9901	61.8540	17.5336	60.3513
1.265	28.815	Máx.	187.4247	116.6523	111.1982	13.2235	73.0896
		Mín.	105.8649	36.0235	42.0959	-23.0243	4.5638
		Dif.	81.5598	80.6288	69.1023	36.2478	68.5258
1.265	29.065	Máx.	160.4756	159.1742	96.5213	2.0071	71.4894
		Mín.	81.2931	93.2734	27.9344	-51.7874	-2.4568
		Dif.	79.1824	65.9008	68.5869	53.7945	73.9462
1.265	29.315	Máx.	114.0975	208.2727	66.4509	-22.5886	63.7007
		Mín.	39.9510	135.7709	13.9060	-94.8695	-9.8590
		Dif.	74.1465	72.5018	52.5450	72.2810	73.5597
1.265	29.516	Máx.	114.0975	235.2153	66.4509	-76.2397	76.9034
		Mín.	39.9510	152.6252	13.9060	-165.9120	-30.1527
		Dif.	74.1465	82.5901	52.5450	89.6722	107.0561
1.265	31.216	Máx.	107.9159	225.7934	47.5789	115.6543	149.9145
		Mín.	68.1200	-51.6932	26.6403	-8.6294	55.8768
		Dif.	39.7959	277.4866	20.9386	124.2837	94.0377
1.265	31.315	Máx.	107.9159	233.0588	47.5789	65.3333	98.0484
		Mín.	68.1200	-31.7953	26.6403	2.3125	27.7204
		Dif.	39.7959	264.8541	20.9386	63.0208	70.3280
1.265	31.565	Máx.	144.6445	254.7478	64.7383	10.4195	109.4486
		Mín.	86.3329	15.1293	33.7624	1.2556	22.3084
		Dif.	58.3116	239.6185	30.9759	9.1639	87.1402
1.265	31.815	Máx.	128.5477	288.8398	62.1567	-4.0996	110.8424
		Mín.	70.6851	69.9905	22.7066	-61.3726	15.2576
		Dif.	57.8626	218.8494	39.4501	57.2730	95.5848
1.265	32.065	Máx.	86.7203	324.7076	43.6309	-25.9012	100.9281
		Mín.	26.6831	119.8158	8.3986	-137.2741	7.2094
		Dif.	60.0372	204.8918	35.2323	111.3728	93.7188
1.265	32.246	Máx.	86.7203	340.9069	43.6309	-67.9640	132.2913
		Mín.	26.6831	141.8066	8.3986	-242.2552	-3.0874
		Dif.	60.0372	199.1003	35.2323	174.2912	135.3787
1.265	33.946	Máx.	110.4602	243.6734	49.1421	158.8801	192.1558
		Mín.	67.4158	-25.9792	29.9922	14.0302	58.8730
		Dif.	43.0445	269.6525	19.1499	144.8499	133.2828
1.265	34.065	Máx.	110.4602	244.2129	49.1421	97.8388	130.8635
		Mín.	67.4158	-13.8688	29.9922	19.5966	32.7522
		Dif.	43.0445	258.0817	19.1499	78.2422	98.1113
1.265	34.315	Máx.	133.8367	249.4773	64.0956	38.8747	147.6075
		Mín.	83.4520	14.1667	37.0086	19.6304	30.3384
		Dif.	50.3847	235.3106	27.0869	19.2443	117.2691
1.265	34.565	Máx.	116.8043	266.4898	57.8165	14.1948	153.5015
		Mín.	69.3992	46.7796	27.7575	-21.3884	26.1445
		Dif.	47.4050	219.7101	30.0591	35.5831	127.3570
1.265	34.815	Máx.	83.1430	297.9487	47.0342	2.4145	150.4271
		Mín.	37.5526	80.5337	7.2806	-83.8626	20.9812
		Dif.	45.5904	217.4150	39.7536	86.2771	129.4459
1.265	35.065	Máx.	51.5756	332.5585	29.3741	-17.8381	134.3811
		Mín.	-9.8686	110.9177	-6.0056	-161.0632	14.4711
		Dif.	61.4442	221.6408	35.3797	143.2252	119.9100



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.265	35.234	Máx.	51.5756	347.9968	29.3741	-52.5835	177.6412
		Mín.	-9.8686	124.2354	-6.0056	-264.2333	11.3158
		Dif.	61.4442	223.7614	35.3797	211.6498	166.3255
1.265	36.934	Máx.	110.8674	184.0165	62.3454	167.1795	192.8992
		Mín.	25.8478	10.7316	20.5492	40.8358	33.6209
		Dif.	85.0196	173.2849	41.7962	126.3437	159.2783
1.265	37.065	Máx.	110.8674	170.8645	62.3454	114.6175	132.4471
		Mín.	25.8478	11.2008	20.5492	37.4590	18.7510
		Dif.	85.0196	159.6637	41.7962	77.1585	113.6961
1.265	37.315	Máx.	128.0095	136.8586	84.9842	69.5589	145.5778
		Mín.	27.6927	11.7093	28.6908	32.5427	15.7731
		Dif.	100.3168	125.1493	56.2934	37.0162	129.8046
1.265	37.565	Máx.	111.2227	93.4620	84.1733	47.5059	148.3099
		Mín.	19.8875	10.7227	29.4528	23.8431	11.1709
		Dif.	91.3351	82.7393	54.7205	23.6628	137.1389
1.265	37.815	Máx.	85.0732	50.6456	72.8187	41.8966	146.4166
		Mín.	9.3108	8.0440	26.3642	17.1117	5.9827
		Dif.	75.7624	42.6016	46.4545	24.7850	140.4339
1.265	38.065	Máx.	59.3875	16.5365	57.8899	43.9373	141.9738
		Mín.	-1.3284	-0.2078	22.0779	16.6998	0.4165
		Dif.	60.7159	16.7443	35.8119	27.2375	141.5573
1.265	38.315	Máx.	39.3496	4.4483	42.5946	48.6651	135.9663
		Mín.	-11.2664	-22.2894	17.6764	23.4663	-5.5331
		Dif.	50.6159	26.7377	24.9183	25.1988	141.4993
1.265	38.565	Máx.	30.2838	-0.5461	28.1633	60.9772	129.3752
		Mín.	-20.8660	-50.2267	13.7340	29.8908	-11.9707
		Dif.	51.1499	49.6805	14.4293	31.0863	141.3460
1.265	38.805	Máx.	30.2838	-2.3021	28.1633	81.6989	136.0703
		Mín.	-20.8660	-65.6903	13.7340	38.0450	-15.2580
		Dif.	51.1499	63.3882	14.4293	43.6539	151.3283
1.515	0.325	Máx.	6.7254	71.1520	16.6467	105.4127	24.5655
		Mín.	-30.3689	1.7045	3.1978	43.9802	-106.1143
		Dif.	37.0943	69.4475	13.4489	61.4325	130.6799
1.515	0.565	Máx.	6.7254	66.8412	16.6467	83.2103	19.8068
		Mín.	-30.3689	-0.0063	3.1978	38.3822	-101.2314
		Dif.	37.0943	66.8474	13.4489	44.8281	121.0382
1.515	0.815	Máx.	6.2763	58.0581	21.6676	69.7858	13.3528
		Mín.	-22.0879	-2.6835	5.0618	33.1043	-107.6811
		Dif.	28.3642	60.7416	16.6058	36.6814	121.0339
1.515	1.065	Máx.	12.0863	49.5993	27.2010	58.2782	7.8414
		Mín.	-14.4208	-4.6874	6.9101	27.4799	-113.8890
		Dif.	26.5071	54.2867	20.2909	30.7983	121.7304
1.515	1.315	Máx.	20.9251	42.3408	33.1048	48.4270	3.0653
		Mín.	-6.7771	-6.8200	8.9825	22.1892	-119.2217
		Dif.	27.7022	49.1608	24.1223	26.2377	122.2870
1.515	1.565	Máx.	31.2109	36.3189	39.2660	39.7394	-1.0617
		Mín.	0.8744	-8.9773	11.3317	17.5790	-123.4341
		Dif.	30.3365	45.2962	27.9343	22.1603	122.3724
1.515	1.815	Máx.	41.9840	31.3663	45.5779	33.4314	-4.5923
		Mín.	8.6440	-10.9643	13.9417	12.2402	-126.5252
		Dif.	33.3399	42.3305	31.6362	21.1911	121.9329



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.515	2.065	Máx.	52.7556	27.2963	51.9344	28.7668	-7.5725
		Mín.	16.5234	-12.5946	16.7865	6.6381	-128.5745
		Dif.	36.2323	39.8909	35.1479	22.1287	121.0020
1.515	2.315	Máx.	63.6620	23.9688	58.2073	24.7777	-10.0442
		Mín.	24.4625	-13.7041	19.8213	0.9331	-129.6834
		Dif.	39.1994	37.6729	38.3860	23.8446	119.6392
1.515	2.565	Máx.	74.2512	21.2545	64.2777	21.5025	-12.0533
		Mín.	32.3633	-14.1672	23.0349	-4.9734	-129.9627
		Dif.	41.8879	35.4217	41.2428	26.4758	117.9094
1.515	2.815	Máx.	84.4975	19.0025	70.0853	18.9772	-13.6516
		Mín.	40.1728	-13.8869	26.3101	-10.7665	-129.5285
		Dif.	44.3247	32.8894	43.7752	29.7437	115.8769
1.515	3.065	Máx.	94.4596	17.0451	75.5662	18.2354	-14.8900
		Mín.	47.8620	-12.7524	29.5463	-16.1942	-128.4910
		Dif.	46.5976	29.7976	46.0199	34.4296	113.6010
1.515	3.315	Máx.	104.3418	15.5639	80.3884	17.7297	-15.8074
		Mín.	55.4724	-10.8991	32.8352	-21.2706	-126.9360
		Dif.	48.8694	26.4630	47.5531	39.0004	111.1285
1.515	3.565	Máx.	114.2896	14.7573	84.3623	17.3309	-16.4404
		Mín.	62.8872	-8.1640	36.1751	-25.9926	-124.9227
		Dif.	51.4024	22.9213	48.1872	43.3235	108.4823
1.515	3.815	Máx.	124.8226	13.9824	87.8508	16.8703	-16.8326
		Mín.	70.1354	-4.0531	38.8872	-30.2787	-122.4768
		Dif.	54.6873	18.0355	48.9636	47.1489	105.6442
1.515	4.065	Máx.	135.8454	13.0058	90.2874	16.0997	-17.0325
		Mín.	77.1180	0.8897	41.1334	-33.9267	-119.5558
		Dif.	58.7275	12.1161	49.1540	50.0264	102.5234
1.515	4.315	Máx.	147.3841	16.4476	91.0546	14.6465	-17.0782
		Mín.	83.7991	2.2365	42.7845	-36.6854	-115.9838
		Dif.	63.5851	14.2111	48.2701	51.3319	98.9056
1.515	4.565	Máx.	158.5884	29.1014	89.4516	11.9860	-17.0021
		Mín.	89.5050	-0.1344	43.4434	-38.3344	-111.3809
		Dif.	69.0834	29.2358	46.0082	50.3204	94.3788
1.515	4.815	Máx.	166.9274	47.7462	84.2590	7.1092	-16.8314
		Mín.	92.6965	-3.2220	42.3591	-38.0204	-105.0805
		Dif.	74.2309	50.9682	41.8998	45.1296	88.2491
1.515	5.065	Máx.	166.0703	71.5446	73.5608	-1.5337	-16.5592
		Mín.	89.7280	-4.3801	38.2767	-35.5522	-96.0449
		Dif.	76.3422	75.9247	35.2841	34.0184	79.4857
1.515	5.315	Máx.	143.1204	98.3020	54.4930	-8.1826	-16.0602
		Mín.	73.6809	-2.3841	29.2547	-34.7988	-82.9095
		Dif.	69.4394	100.6861	25.2382	26.6163	66.8493
1.515	5.565	Máx.	75.1339	119.2306	24.1980	-13.8229	-14.9700
		Mín.	36.0924	0.0450	13.2875	-47.2511	-64.5901
		Dif.	39.0415	119.1856	10.9105	33.4282	49.6202
1.515	5.590	Máx.	75.1339	126.5566	24.1980	-15.1357	-28.0038
		Mín.	36.0924	0.5987	13.2875	-61.3547	-102.0090
		Dif.	39.0415	125.9579	10.9105	46.2190	74.0051
1.515	7.290	Máx.	32.9919	-95.5213	18.6639	-57.6869	2.5154
		Mín.	-6.5378	-167.8688	1.4773	-105.9669	-87.3404
		Dif.	39.5297	72.3475	17.1866	48.2800	89.8558



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.515	7.315	Máx.	32.9919	-92.0031	18.6639	-40.5547	-1.9898
		Mín.	-6.5378	-158.6060	1.4773	-87.0034	-59.0012
		Dif.	39.5297	66.6028	17.1866	46.4486	57.0114
1.515	7.565	Máx.	75.5144	-77.9293	43.2091	-11.8304	-5.6835
		Mín.	15.6001	-128.8807	6.4257	-57.6640	-75.5505
		Dif.	59.9143	50.9515	36.7834	45.8336	69.8670
1.515	7.815	Máx.	101.2341	-54.6198	59.1392	6.0879	-7.7702
		Mín.	51.2147	-85.0847	13.5109	-35.7654	-82.4809
		Dif.	50.0195	30.4649	45.6282	41.8533	74.7107
1.515	8.065	Máx.	123.0394	-16.4135	66.5887	13.6286	-8.6977
		Mín.	74.0122	-54.3576	20.5611	-21.9203	-82.3070
		Dif.	49.0272	37.9442	46.0276	35.5489	73.6093
1.515	8.315	Máx.	133.8792	31.3795	65.4343	11.9755	-9.0653
		Mín.	85.0562	-32.4495	25.0055	-14.3066	-77.2297
		Dif.	48.8230	63.8290	40.4289	26.2821	68.1644
1.515	8.565	Máx.	125.7259	77.4087	54.9868	1.4416	-9.3504
		Mín.	81.1890	-15.0396	24.3018	-11.4415	-68.2743
		Dif.	44.5369	92.4483	30.6849	12.8831	58.9239
1.515	8.815	Máx.	88.0734	114.7218	33.7356	-5.1521	-9.7732
		Mín.	56.2804	-3.5661	16.4324	-22.8258	-55.4483
		Dif.	31.7930	118.2880	17.3033	17.6736	45.6752
1.515	8.960	Máx.	88.0734	129.8259	33.7356	-4.9196	-20.2163
		Mín.	56.2804	0.1479	16.4324	-56.5456	-76.5359
		Dif.	31.7930	129.6780	17.3033	51.6260	56.3197
1.515	10.660	Máx.	68.0893	-97.9415	42.7030	-60.4299	13.7313
		Mín.	17.8963	-195.2935	10.1314	-102.2817	-51.4486
		Dif.	50.1931	97.3519	32.5716	41.8518	65.1799
1.515	10.815	Máx.	68.0893	-91.1091	42.7030	-31.5194	4.3248
		Mín.	17.8963	-178.6490	10.1314	-53.0931	-41.5340
		Dif.	50.1931	87.5399	32.5716	21.5737	45.8588
1.515	11.065	Máx.	108.6600	-72.6079	72.3620	-1.6480	2.4216
		Mín.	49.8917	-138.5349	19.1093	-31.5308	-48.8573
		Dif.	58.7683	65.9270	53.2527	29.8828	51.2789
1.515	11.315	Máx.	134.8315	-48.8462	92.4538	18.6830	1.2278
		Mín.	75.1426	-91.2218	27.2994	-17.7588	-50.6590
		Dif.	59.6889	42.3756	65.1543	36.4418	51.8867
1.515	11.565	Máx.	151.5060	-25.2738	103.8480	29.0650	0.5948
		Mín.	90.7615	-45.1360	33.8539	-10.2554	-48.8605
		Dif.	60.7445	19.8623	69.9941	39.3203	49.4552
1.515	11.815	Máx.	160.4392	7.4985	107.1391	31.3067	0.1743
		Mín.	99.0552	-12.7144	37.9728	-7.3891	-45.0204
		Dif.	61.3840	20.2129	69.1663	38.6958	45.1946
1.515	12.065	Máx.	161.1027	54.8909	102.3980	25.8408	-0.4402
		Mín.	100.4788	4.9778	38.9154	-7.5995	-40.0885
		Dif.	60.6238	49.9131	63.4826	33.4403	39.6484
1.515	12.315	Máx.	149.9133	104.8053	88.8766	11.5336	-1.6441
		Mín.	93.6213	21.6999	35.6385	-10.5512	-34.5562
		Dif.	56.2920	83.1054	53.2382	22.0848	32.9121
1.515	12.565	Máx.	118.8853	154.7014	64.8661	-10.6104	-3.7387
		Mín.	73.7000	37.6582	27.1839	-18.5889	-28.6708
		Dif.	45.1853	117.0433	37.6822	7.9785	24.9321

## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.515	12.815	Máx.	57.2054	192.1538	28.6753	-23.6860	-6.6088
		Mín.	34.9904	48.0549	12.4413	-54.0725	-22.6694
		Dif.	22.2150	144.0990	16.2340	30.3866	16.0606
1.515	12.845	Máx.	57.2054	205.3931	28.6753	-31.1370	-16.2443
		Mín.	34.9904	50.8423	12.4413	-83.4028	-38.3970
		Dif.	22.2150	154.5508	16.2340	52.2658	22.1527
1.515	14.545	Máx.	46.7724	-82.7568	27.4650	-50.3393	23.1445
		Mín.	20.6068	-211.1486	8.0977	-91.3538	-21.7869
		Dif.	26.1656	128.3918	19.3673	41.0144	44.9314
1.515	14.565	Máx.	46.7724	-79.8569	27.4650	-37.5418	10.0192
		Mín.	20.6068	-198.1274	8.0977	-63.7703	-16.5106
		Dif.	26.1656	118.2705	19.3673	26.2284	26.5298
1.515	14.815	Máx.	104.9453	-67.6873	65.0427	-14.6596	7.8612
		Mín.	55.8153	-160.1076	19.8657	-28.6354	-22.2267
		Dif.	49.1300	92.4202	45.1771	13.9758	30.0879
1.515	15.065	Máx.	139.8910	-47.9917	90.5312	11.4102	6.0864
		Mín.	80.5213	-108.2208	28.8063	-15.9930	-23.7228
		Dif.	59.3697	60.2291	61.7249	27.4032	29.8093
1.515	15.315	Máx.	158.0315	-27.8740	105.2670	25.6827	4.8614
		Mín.	94.9943	-55.5135	34.8119	-8.8046	-22.3293
		Dif.	63.0371	27.6394	70.4551	34.4873	27.1907
1.515	15.565	Máx.	165.3686	-3.5184	110.6961	30.4811	3.9552
		Mín.	100.9078	-10.8158	37.8726	-5.6272	-19.3393
		Dif.	64.4608	7.2974	72.8235	36.1082	23.2945
1.515	15.815	Máx.	163.8903	47.0451	107.3582	26.7925	2.9827
		Mín.	99.8283	7.2202	37.8033	-5.5326	-15.6934
		Dif.	64.0620	39.8249	69.5550	32.3251	18.6760
1.515	16.065	Máx.	151.4829	99.5646	95.0788	13.8440	2.5339
		Mín.	90.9607	24.6949	34.1588	-8.3081	-12.0920
		Dif.	60.5223	74.8698	60.9200	22.1522	14.6259
1.515	16.315	Máx.	122.3076	152.4321	72.4907	-8.2082	1.3071
		Mín.	71.7233	41.8823	26.4041	-16.6362	-9.1552
		Dif.	50.5843	110.5498	46.0866	8.4281	10.4622
1.515	16.565	Máx.	67.8412	195.2909	38.1156	-22.8501	-0.3557
		Mín.	38.4894	54.2527	14.0358	-50.6240	-9.1768
		Dif.	29.3519	141.0382	24.0798	27.7739	8.8211
1.515	16.652	Máx.	67.8412	212.1426	38.1156	-35.9186	-4.9244
		Mín.	38.4894	58.2662	14.0358	-91.6264	-21.0709
		Dif.	29.3519	153.8764	24.0798	55.7078	16.1464
1.515	18.352	Máx.	90.4471	-70.2684	60.1627	-48.6514	20.9737
		Mín.	51.2368	-226.2278	20.7092	-112.1735	-6.1439
		Dif.	39.2103	155.9594	39.4535	63.5222	27.1176
1.515	18.565	Máx.	90.4471	-65.0644	60.1627	-23.7103	9.0910
		Mín.	51.2368	-206.1414	20.7092	-43.2760	-8.5586
		Dif.	39.2103	141.0771	39.4535	19.5657	17.6496
1.515	18.815	Máx.	134.9259	-51.5243	95.1861	-4.1078	7.4086
		Mín.	80.8916	-161.1900	32.8395	-15.7180	-9.4494
		Dif.	54.0342	109.6657	62.3466	11.6101	16.8580
1.515	19.065	Máx.	159.7598	-35.4054	120.1044	18.7552	6.2716
		Mín.	98.6643	-112.9570	41.5410	-8.5514	-8.1593
		Dif.	61.0956	77.5517	78.5634	27.3066	14.4309



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.515	19.315	Máx.	172.3337	-20.9461	136.3072	32.1459	6.4194
		Mín.	107.6116	-68.8247	47.1688	-4.7956	-5.5216
		Dif.	64.7221	47.8787	89.1384	36.9414	11.9410
1.515	19.565	Máx.	177.7135	-8.3597	145.1265	38.6945	7.3143
		Mín.	111.2683	-29.1453	50.1303	-3.1389	-2.6493
		Dif.	66.4452	20.7855	94.9962	41.8333	9.9636
1.515	19.815	Máx.	178.4989	8.7360	147.2375	39.8894	9.9281
		Mín.	111.2874	2.5064	50.6253	-2.9404	-1.1420
		Dif.	67.2115	6.2296	96.6122	42.8298	11.0701
1.515	20.065	Máx.	175.2099	47.0192	142.8331	36.0153	12.9054
		Mín.	107.9172	15.2849	48.7444	-4.1115	-0.9034
		Dif.	67.2927	31.7343	94.0887	40.1268	13.8089
1.515	20.315	Máx.	167.0496	89.3043	131.5005	26.2027	15.3938
		Mín.	100.4304	29.3183	44.2903	-7.0944	-1.3671
		Dif.	66.6192	59.9860	87.2102	33.2970	16.7608
1.515	20.565	Máx.	150.2306	137.3025	112.2564	8.2580	16.8298
		Mín.	87.1926	45.9614	37.1055	-12.9425	-2.7957
		Dif.	63.0381	91.3411	75.1509	21.2005	19.6255
1.515	20.815	Máx.	118.5037	188.8584	83.3029	-15.7430	16.3020
		Mín.	65.4468	64.0085	26.9592	-27.5738	-5.0789
		Dif.	53.0569	124.8499	56.3437	11.8308	21.3809
1.515	21.065	Máx.	63.9686	232.3434	42.8821	-33.8770	12.6885
		Mín.	32.9064	77.5094	13.6290	-70.1204	-8.0105
		Dif.	31.0622	154.8340	29.2531	36.2433	20.6990
1.515	21.151	Máx.	63.9686	249.7864	42.8821	-53.4932	13.6140
		Mín.	32.9064	81.9641	13.6290	-116.4822	-20.9285
		Dif.	31.0622	167.8224	29.2531	62.9890	34.5426
1.515	22.851	Máx.	96.6778	-69.6872	64.0914	-50.4127	24.5768
		Mín.	61.0975	-243.0448	26.0063	-129.0724	11.8476
		Dif.	35.5803	173.3576	38.0851	78.6597	12.7292
1.515	23.065	Máx.	96.6778	-64.5987	64.0914	-26.8811	14.0801
		Mín.	61.0975	-222.7083	26.0063	-54.0922	5.3019
		Dif.	35.5803	158.1096	38.0851	27.2111	8.7783
1.515	23.315	Máx.	141.6251	-51.7778	101.8108	-11.7332	17.1666
		Mín.	89.9720	-177.7442	40.7030	-19.8136	4.2547
		Dif.	51.6531	125.9664	61.1078	8.0804	12.9119
1.515	23.565	Máx.	165.0902	-37.2375	129.5413	11.8398	20.5254
		Mín.	105.4693	-130.6530	50.8472	-13.1003	3.1144
		Dif.	59.6209	93.4155	78.6941	24.9401	17.4110
1.515	23.815	Máx.	175.8463	-24.8993	148.9312	27.2846	23.9500
		Mín.	112.4657	-89.2871	57.3055	-9.4179	2.0899
		Dif.	63.3806	64.3878	91.6257	36.7025	21.8601
1.515	24.065	Máx.	179.7565	-14.7974	161.5340	36.2707	27.3727
		Mín.	114.4614	-54.4819	60.8722	-7.0365	1.6398
		Dif.	65.2951	39.6844	100.6618	43.3072	25.7329
1.515	24.315	Máx.	180.0944	-5.8634	168.2537	40.9326	30.7911
		Mín.	113.7831	-24.4761	61.9745	-5.3455	1.5625
		Dif.	66.3113	18.6127	106.2792	46.2781	29.2286
1.515	24.565	Máx.	178.0337	4.1868	169.6524	42.3894	34.3761
		Mín.	111.1550	1.9422	60.8797	-4.2293	1.6779
		Dif.	66.8788	2.2446	108.7726	46.6187	32.6982

## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.515	24.815	Máx.	173.8987	31.5287	165.8360	40.9376	38.2082
		Mín.	106.6409	13.7299	57.6496	-3.9743	1.5167
		Dif.	67.2578	17.7989	108.1864	44.9119	36.6915
1.515	25.065	Máx.	167.2302	62.7633	156.6536	36.0656	41.8525
		Mín.	99.3711	27.0229	52.3236	-5.3014	1.0646
		Dif.	67.8592	35.7404	104.3300	41.3670	40.7879
1.515	25.315	Máx.	156.3216	99.5535	141.5483	26.4057	44.6448
		Mín.	88.7880	44.0446	44.8087	-9.4090	0.2668
		Dif.	67.5336	55.5089	96.7396	35.8146	44.3780
1.515	25.565	Máx.	137.9970	143.4031	119.6031	9.4610	45.6190
		Mín.	73.3996	64.9290	35.2656	-18.0454	-1.0799
		Dif.	64.5973	78.4741	84.3375	27.5064	46.6989
1.515	25.815	Máx.	111.1812	192.3805	89.1866	-18.0646	43.2465
		Mín.	48.0828	87.4577	24.1816	-33.3446	-3.1492
		Dif.	63.0984	104.9228	65.0050	15.2801	46.3957
1.515	26.065	Máx.	66.0342	235.9731	48.7985	-43.9183	35.6852
		Mín.	17.8024	104.5330	12.2059	-72.4008	-5.8520
		Dif.	48.2318	131.4401	36.5926	28.4825	41.5372
1.515	26.186	Máx.	66.0342	254.3475	48.7985	-71.3920	44.8136
		Mín.	17.8024	110.4097	12.2059	-129.9122	-16.9851
		Dif.	48.2318	143.9379	36.5926	58.5202	61.7987
1.515	27.886	Máx.	93.5632	-5.1022	38.1310	-9.0494	72.8764
		Mín.	61.4464	-140.7162	18.2419	-65.9770	21.1558
		Dif.	32.1169	135.6140	19.8891	56.9276	51.7205
1.515	28.065	Máx.	93.5632	0.0010	38.1310	-6.9716	54.6203
		Mín.	61.4464	-122.9450	18.2419	-24.5586	10.2429
		Dif.	32.1169	122.9460	19.8891	17.5870	44.3774
1.515	28.315	Máx.	129.1807	14.9179	58.6837	0.2910	66.6821
		Mín.	82.4299	-79.8832	25.6593	-10.6977	9.7360
		Dif.	46.7508	94.8011	33.0244	10.9888	56.9461
1.515	28.565	Máx.	135.3232	36.5950	67.7039	11.4878	74.8599
		Mín.	81.8590	-27.5031	25.8816	-14.8514	9.3317
		Dif.	53.4642	64.0982	41.8223	26.3392	65.5282
1.515	28.815	Máx.	121.7932	62.0660	66.3731	12.5210	78.9781
		Mín.	67.2560	26.6741	21.1761	-24.2487	8.7559
		Dif.	54.5372	35.3919	45.1970	36.7698	70.2221
1.515	29.065	Máx.	100.1636	102.3521	55.7939	2.1123	77.3951
		Mín.	36.3387	63.6045	13.9371	-40.3863	7.4603
		Dif.	63.8249	38.7476	41.8568	42.4986	69.9348
1.515	29.315	Máx.	64.6840	144.2597	35.9877	-20.3034	67.7527
		Mín.	2.7372	85.3166	6.8966	-64.2469	4.8906
		Dif.	61.9468	58.9431	29.0911	43.9434	62.8621
1.515	29.516	Máx.	64.6840	161.2989	35.9877	-60.8643	83.8607
		Mín.	2.7372	93.4668	6.8966	-102.0420	-0.6303
		Dif.	61.9468	67.8320	29.0911	41.1777	84.4910
1.515	31.216	Máx.	69.3284	113.5122	18.8478	35.8371	133.9456
		Mín.	45.2832	-47.2008	9.7363	-17.1972	31.4009
		Dif.	24.0452	160.7130	9.1115	53.0343	102.5447
1.515	31.315	Máx.	69.3284	117.4124	18.8478	12.2645	92.7464
		Mín.	45.2832	-34.5898	9.7363	-7.2995	18.2686
		Dif.	24.0452	152.0022	9.1115	19.5641	74.4779



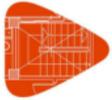
## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.515	31.565	Máx.	88.6056	130.5944	29.3049	0.4105	110.6627
		Mín.	55.4671	-1.1610	12.5806	-21.3990	19.5177
		Dif.	33.1385	131.7554	16.7243	21.8095	91.1450
1.515	31.815	Máx.	70.2466	150.0393	28.9661	-5.0779	114.8656
		Mín.	34.6865	41.0502	8.7030	-55.0560	18.7716
		Dif.	35.5601	108.9891	20.2631	49.9780	96.0940
1.515	32.065	Máx.	43.9927	165.4301	19.6528	-19.8981	103.4170
		Mín.	-6.9234	77.0408	3.4346	-94.8754	15.5059
		Dif.	50.9161	88.3893	16.2183	74.9773	87.9111
1.515	32.246	Máx.	43.9927	170.8610	19.6528	-47.6395	136.6511
		Mín.	-6.9234	90.1949	3.4346	-147.5054	16.1187
		Dif.	50.9161	80.6661	16.2183	99.8659	120.5324
1.515	33.946	Máx.	95.8289	103.5246	20.8752	50.1885	171.9901
		Mín.	46.3017	-39.0638	11.8211	-2.4139	38.2934
		Dif.	49.5273	142.5885	9.0541	52.6024	133.6968
1.515	34.065	Máx.	95.8289	104.9780	20.8752	27.2355	123.8256
		Mín.	46.3017	-30.9030	11.8211	6.0469	24.4893
		Dif.	49.5273	135.8810	9.0541	21.1886	99.3362
1.515	34.315	Máx.	102.3489	111.7825	30.3855	15.5901	149.8059
		Mín.	61.8675	-9.2862	15.8718	-2.7914	27.6121
		Dif.	40.4814	121.0688	14.5137	18.3815	122.1938
1.515	34.565	Máx.	74.5725	124.7965	30.7650	12.5568	161.0692
		Mín.	45.5580	18.7883	11.0537	-28.6212	28.3426
		Dif.	29.0145	106.0082	19.7113	41.1780	132.7266
1.515	34.815	Máx.	47.3251	140.4983	25.2538	6.1212	156.9121
		Mín.	0.8052	46.8533	2.5857	-58.6273	26.5672
		Dif.	46.5199	93.6450	22.6680	64.7486	130.3449
1.515	35.065	Máx.	23.6523	151.7946	15.2334	-7.0743	135.3274
		Mín.	-41.1441	65.8585	-2.3446	-94.8075	21.8741
		Dif.	64.7963	85.9361	17.5780	87.7332	113.4533
1.515	35.234	Máx.	23.6523	155.0669	15.2334	-28.9744	176.5218
		Mín.	-41.1441	71.7574	-2.3446	-140.6502	25.4866
		Dif.	64.7963	83.3095	17.5780	111.6758	151.0352
1.515	36.934	Máx.	116.7607	62.0634	28.4208	71.0430	161.0120
		Mín.	19.7271	-8.3698	9.9366	26.9634	22.7178
		Dif.	97.0336	70.4331	18.4842	44.0796	138.2942
1.515	37.065	Máx.	116.7607	56.1350	28.4208	57.4980	116.2824
		Mín.	19.7271	-8.2420	9.9366	24.2253	14.0708
		Dif.	97.0336	64.3770	18.4842	33.2728	102.2116
1.515	37.315	Máx.	145.7982	40.9543	43.2275	48.2283	138.7554
		Mín.	24.8057	-7.2186	15.4841	19.4116	13.9074
		Dif.	120.9925	48.1729	27.7434	28.8167	124.8480
1.515	37.565	Máx.	133.2765	20.1683	46.1493	45.7886	149.5384
		Mín.	20.3703	-6.0151	17.0954	14.7919	11.5986
		Dif.	112.9061	26.1834	29.0539	30.9967	137.9398
1.515	37.815	Máx.	105.3326	1.1758	41.9346	47.9771	152.1819
		Mín.	10.0744	-13.7663	16.2824	14.7242	7.7799
		Dif.	95.2583	14.9421	25.6522	33.2529	144.4020
1.515	38.065	Máx.	75.7090	-4.5740	34.4234	52.6560	149.6432
		Mín.	-1.1713	-33.1152	14.2718	20.6650	2.8500
		Dif.	76.8804	28.5412	20.1516	31.9910	146.7932



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.515	38.315	Máx.	51.9336	-8.4281	25.8135	60.8886	144.1351
		Mín.	-12.1257	-52.4196	11.8571	29.8847	-2.9964
		Dif.	64.0593	43.9915	13.9564	31.0039	147.1315
1.515	38.565	Máx.	40.0661	-10.8682	17.1070	75.0658	137.6353
		Mín.	-22.5974	-71.2726	9.4686	37.7769	-9.7601
		Dif.	62.6636	60.4044	7.6384	37.2889	147.3954
1.515	38.805	Máx.	40.0661	-12.3903	17.1070	98.6688	145.3051
		Mín.	-22.5974	-80.0124	9.4686	48.3803	-13.0105
		Dif.	62.6636	67.6221	7.6384	50.2885	158.3156
1.765	0.325	Máx.	6.9465	97.0240	14.4069	131.4488	23.2552
		Mín.	-32.3631	11.9487	1.3920	56.7568	-107.7698
		Dif.	39.3096	85.0753	13.0149	74.6920	131.0249
1.765	0.565	Máx.	6.9465	86.7797	14.4069	100.1870	18.3290
		Mín.	-32.3631	9.2304	1.3920	46.4890	-102.5238
		Dif.	39.3096	77.5493	13.0149	53.6980	120.8528
1.765	0.815	Máx.	4.4146	70.8911	18.5955	82.8991	9.5201
		Mín.	-24.9590	5.2112	1.2787	39.6058	-108.7171
		Dif.	29.3735	65.6799	17.3168	43.2933	118.2372
1.765	1.065	Máx.	8.8892	60.7794	23.2555	69.0622	3.6118
		Mín.	-17.5114	2.7552	1.5416	32.8945	-114.8489
		Dif.	26.4006	58.0242	21.7139	36.1677	118.4606
1.765	1.315	Máx.	16.6483	52.6547	28.2172	57.3832	-1.4237
		Mín.	-10.0086	0.4699	1.9967	26.4902	-120.2253
		Dif.	26.6569	52.1849	26.2205	30.8931	118.8015
1.765	1.565	Máx.	25.9801	45.8808	33.3560	47.0492	-5.6925
		Mín.	-2.5611	-1.7344	2.6400	20.8796	-124.5183
		Dif.	28.5413	47.6152	30.7160	26.1696	118.8258
1.765	1.815	Máx.	35.9151	40.1707	38.5667	39.2891	-9.2647
		Mín.	4.8719	-3.7564	3.4777	14.6187	-127.6974
		Dif.	31.0432	43.9271	35.0890	24.6704	118.4327
1.765	2.065	Máx.	45.9476	35.3944	43.7500	33.6214	-12.1909
		Mín.	12.3019	-5.4552	4.5023	7.9765	-129.8253
		Dif.	33.6457	40.8496	39.2477	25.6449	117.6345
1.765	2.315	Máx.	55.8460	31.4444	48.8002	28.6881	-14.5117
		Mín.	19.6940	-6.6933	5.6906	1.3520	-131.0006
		Dif.	36.1520	38.1376	43.1096	27.3361	116.4889
1.765	2.565	Máx.	65.8381	28.2232	53.6079	24.6090	-16.2654
		Mín.	26.9954	-7.3473	7.0219	-5.2978	-131.3349
		Dif.	38.8427	35.5705	46.5860	29.9068	115.0695
1.765	2.815	Máx.	75.5679	25.6383	58.0443	21.0548	-17.4886
		Mín.	34.1589	-7.2991	8.4657	-11.9461	-130.9418
		Dif.	41.4089	32.9374	49.5786	33.0009	113.4532
1.765	3.065	Máx.	85.1017	23.6067	61.9622	19.2465	-18.2138
		Mín.	41.1483	-6.4113	9.9891	-18.0726	-129.9263
		Dif.	43.9534	30.0180	51.9732	37.3191	111.7125
1.765	3.315	Máx.	94.6068	22.4028	65.1850	18.2146	-18.4637
		Mín.	47.9367	-4.8347	11.5444	-23.7750	-128.3702
		Dif.	46.6702	27.2376	53.6406	41.9896	109.9066
1.765	3.565	Máx.	104.6835	22.1958	67.5181	17.3137	-18.2542
		Mín.	54.4394	-2.3279	13.0854	-29.1332	-126.3205
		Dif.	50.2441	24.5237	54.4327	46.4468	108.0664



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.765	3.815	Máx.	115.1691	22.8070	69.0304	16.3587	-17.5976
		Mín.	60.4166	1.6457	14.2297	-34.2087	-123.7675
		Dif.	54.7525	21.1613	54.8007	50.5674	106.1699
1.765	4.065	Máx.	126.1893	24.1386	69.2352	15.0739	-16.5025
		Mín.	65.7099	7.0284	15.0669	-39.0517	-120.6011
		Dif.	60.4794	17.1102	54.1683	54.1256	104.0986
1.765	4.315	Máx.	137.5591	26.9491	67.6467	13.0326	-14.9732
		Mín.	69.8122	11.7130	15.5353	-43.8174	-116.5419
		Dif.	67.7469	15.2361	52.1114	56.8499	101.5687
1.765	4.565	Máx.	148.2380	37.9398	63.7640	9.5599	-13.0243
		Mín.	70.6955	14.7224	15.4496	-48.9316	-111.0589
		Dif.	77.5425	23.2174	48.3144	58.4915	98.0345
1.765	4.815	Máx.	155.5187	53.1349	56.9523	3.6290	-10.7136
		Mín.	68.2537	18.7221	14.5456	-54.2835	-103.3010
		Dif.	87.2650	34.4128	42.4067	57.9125	92.5875
1.765	5.065	Máx.	153.2392	71.5050	46.4949	-6.1948	-8.1971
		Mín.	60.4465	23.8231	12.4941	-60.2393	-92.1338
		Dif.	92.7927	47.6819	34.0008	54.0446	83.9367
1.765	5.315	Máx.	129.3386	92.7705	31.7651	-20.7730	-5.8161
		Mín.	44.6827	26.0842	8.9433	-67.9349	-76.5293
		Dif.	84.6559	66.6863	22.8218	47.1618	70.7133
1.765	5.565	Máx.	65.8008	107.2002	12.8257	-32.5990	-4.1815
		Mín.	19.2181	24.7393	3.7566	-78.8137	-56.7561
		Dif.	46.5827	82.4610	9.0691	46.2147	52.5746
1.765	5.590	Máx.	65.8008	111.4294	12.8257	-40.5741	-7.6755
		Mín.	19.2181	22.6537	3.7566	-88.4243	-86.9683
		Dif.	46.5827	88.7758	9.0691	47.8502	79.2928
1.765	7.290	Máx.	11.6221	-13.1096	11.8933	-22.3927	-15.8786
		Mín.	-18.1958	-108.0843	1.7317	-56.3862	-91.0372
		Dif.	29.8179	94.9748	10.1616	33.9936	75.1585
1.765	7.315	Máx.	11.6221	-14.6547	11.8933	-18.1469	-11.2072
		Mín.	-18.1958	-102.0589	1.7317	-43.0599	-60.7008
		Dif.	29.8179	87.4042	10.1616	24.9130	49.4936
1.765	7.565	Máx.	34.7003	-13.5966	28.7238	-5.3019	-13.6315
		Mín.	-8.3545	-80.9093	4.3422	-33.3876	-77.8746
		Dif.	43.0548	67.3126	24.3816	28.0857	64.2432
1.765	7.815	Máx.	53.5882	-5.8694	40.0685	6.1004	-12.8808
		Mín.	23.0707	-46.8346	6.5547	-28.0759	-85.2460
		Dif.	30.5175	40.9653	33.5138	34.1764	72.3652
1.765	8.065	Máx.	73.4135	4.5584	45.0663	10.2456	-10.1027
		Mín.	46.8832	-7.8135	8.1327	-26.2730	-84.5395
		Dif.	26.5303	12.3720	36.9336	36.5185	74.4368
1.765	8.315	Máx.	86.4212	35.0679	43.4264	6.6866	-6.4695
		Mín.	57.7193	10.1332	8.6427	-28.1481	-77.7666
		Dif.	28.7019	24.9348	34.7837	34.8347	71.2971
1.765	8.565	Máx.	88.6130	70.9750	35.1018	-4.9885	-3.0503
		Mín.	53.5025	19.8283	7.6225	-33.0441	-66.2510
		Dif.	35.1104	51.1467	27.4793	28.0555	63.2006
1.765	8.815	Máx.	67.4833	97.6633	20.5085	-22.7355	-0.9021
		Mín.	31.7303	24.4770	4.7645	-40.2674	-51.0585
		Dif.	35.7531	73.1863	15.7440	17.5319	50.1564



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.765	8.960	Máx.	67.4833	107.5463	20.5085	-35.3003	-2.2499
		Mín.	31.7303	24.9950	4.7645	-61.7933	-66.7196
		Dif.	35.7531	82.5513	15.7440	26.4930	64.4697
1.765	10.660	Máx.	32.3732	-28.5063	29.1270	-33.8099	-10.7373
		Mín.	0.3922	-159.2241	5.8849	-73.9312	-58.1141
		Dif.	31.9810	130.7177	23.2421	40.1213	47.3768
1.765	10.815	Máx.	32.3732	-28.1357	29.1270	-20.8110	-9.4529
		Mín.	0.3922	-146.8165	5.8849	-36.4834	-45.3219
		Dif.	31.9810	118.6807	23.2421	15.6723	35.8690
1.765	11.065	Máx.	60.5386	-23.8076	51.1097	-2.8555	-9.5874
		Mín.	24.5354	-115.3185	10.4720	-21.2911	-52.9031
		Dif.	36.0032	91.5109	40.6377	18.4356	43.3157
1.765	11.315	Máx.	84.9336	-14.7624	66.9857	15.5803	-7.2634
		Mín.	47.8163	-75.5357	14.0705	-16.5716	-54.3318
		Dif.	37.1173	60.7732	52.9152	32.1519	47.0684
1.765	11.565	Máx.	102.6945	-4.4107	76.1946	25.2563	-3.5251
		Mín.	64.5094	-34.1987	16.4906	-14.6531	-51.5230
		Dif.	38.1851	29.7879	59.7040	39.9094	47.9980
1.765	11.815	Máx.	112.3511	8.5040	78.6329	27.3633	0.7689
		Mín.	73.5532	4.2617	17.5418	-15.2947	-46.1421
		Dif.	38.7978	4.2424	61.0911	42.6580	46.9110
1.765	12.065	Máx.	112.3465	49.5734	74.1954	22.2188	4.8978
		Mín.	74.4432	15.5980	17.0346	-17.9727	-39.2675
		Dif.	37.9033	33.9754	57.1608	40.1914	44.1653
1.765	12.315	Máx.	101.5804	92.0215	62.6089	8.9324	8.1022
		Mín.	66.3299	25.1112	14.7539	-22.7389	-31.5527
		Dif.	35.2505	66.9102	47.8550	31.6713	39.6549
1.765	12.565	Máx.	77.0279	131.5725	43.7138	-14.0336	9.4250
		Mín.	48.4098	32.5800	10.5481	-29.8667	-23.5959
		Dif.	28.6181	98.9926	33.1657	15.8331	33.0209
1.765	12.815	Máx.	35.8664	158.2126	18.1627	-30.0466	7.7850
		Mín.	19.1808	34.6339	4.4740	-54.2366	-16.4107
		Dif.	16.6857	123.5787	13.6888	24.1901	24.1957
1.765	12.845	Máx.	35.8664	166.5589	18.1627	-37.8063	9.8638
		Mín.	19.1808	33.7387	4.4740	-76.0114	-25.5919
		Dif.	16.6857	132.8202	13.6888	38.2052	35.4557
1.765	14.545	Máx.	20.5022	-26.4932	17.5009	-30.8191	-5.7873
		Mín.	9.1527	-172.1146	3.5462	-74.7672	-30.9618
		Dif.	11.3495	145.6213	13.9548	43.9481	25.1745
1.765	14.565	Máx.	20.5022	-27.7151	17.5009	-25.2953	-5.0114
		Mín.	9.1527	-163.8560	3.5462	-53.0540	-21.2500
		Dif.	11.3495	136.1409	13.9548	27.7587	16.2386
1.765	14.815	Máx.	57.8352	-26.2816	44.0065	-13.6304	-5.9292
		Mín.	32.2629	-136.5761	8.8493	-22.8372	-26.7654
		Dif.	25.5723	110.2945	35.1572	9.2069	20.8362
1.765	15.065	Máx.	87.4378	-19.3232	63.7375	8.2215	-4.1297
		Mín.	53.7770	-95.0812	12.8333	-16.0926	-27.4239
		Dif.	33.6608	75.7580	50.9042	24.3141	23.2943
1.765	15.315	Máx.	106.4433	-10.3020	75.8658	21.8479	-0.6964
		Mín.	68.2908	-49.8609	15.3780	-13.1004	-24.7207
		Dif.	38.1525	39.5589	60.4878	34.9483	24.0243



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.765	15.565	Máx.	114.9005	-0.8631	80.4549	26.6484	3.4332
		Mín.	74.9131	-4.6008	16.4727	-12.0856	-20.1097
		Dif.	39.9874	3.7377	63.9822	38.7341	23.5428
1.765	15.815	Máx.	112.9705	40.8328	77.6182	23.3407	7.4864
		Mín.	73.6633	8.1883	16.0764	-12.8789	-14.6561
		Dif.	39.3072	32.6445	61.5418	36.2196	22.1426
1.765	16.065	Máx.	99.6885	86.2005	67.3236	11.4560	10.6775
		Mín.	64.1128	17.0295	14.1237	-15.4706	-9.1846
		Dif.	35.5758	69.1711	53.1999	26.9266	19.8621
1.765	16.315	Máx.	74.1166	129.1175	49.5007	-10.0096	12.0429
		Mín.	46.2294	24.2880	10.5275	-20.2479	-4.5565
		Dif.	27.8872	104.8295	38.9732	10.2383	16.5994
1.765	16.565	Máx.	36.6481	160.8683	24.7530	-22.9219	10.4787
		Mín.	21.5216	26.8663	5.3441	-46.1627	-1.8774
		Dif.	15.1266	134.0020	19.4089	23.2407	12.3561
1.765	16.652	Máx.	36.6481	172.3562	24.7530	-30.4878	12.5691
		Mín.	21.5216	26.4513	5.3441	-78.7129	-3.9300
		Dif.	15.1266	145.9049	19.4089	48.2252	16.4991
1.765	18.352	Máx.	51.3431	-30.4826	42.0197	-32.0652	-4.8331
		Mín.	32.0055	-194.8457	9.0291	-101.5018	-16.8001
		Dif.	19.3375	164.3631	32.9907	69.4366	11.9671
1.765	18.565	Máx.	51.3431	-30.1820	42.0197	-20.4781	-5.0911
		Mín.	32.0055	-179.8013	9.0291	-41.2400	-15.2575
		Dif.	19.3375	149.6192	32.9907	20.7618	10.1665
1.765	18.815	Máx.	87.0316	-26.6662	68.9391	-5.8399	-4.2608
		Mín.	56.7811	-144.3752	14.7701	-17.2260	-15.7288
		Dif.	30.2505	117.7090	54.1690	11.3862	11.4680
1.765	19.065	Máx.	113.1022	-19.7170	89.6785	15.9829	-1.8913
		Mín.	74.4727	-103.5576	19.2076	-12.9932	-13.3001
		Dif.	38.6295	83.8406	70.4708	28.9761	11.4088
1.765	19.315	Máx.	129.4985	-12.3485	103.9209	29.0985	1.3078
		Mín.	85.4072	-64.2302	22.2684	-10.5421	-9.1599
		Dif.	44.0913	51.8817	81.6525	39.6406	10.4677
1.765	19.565	Máx.	137.7359	-5.2780	111.9294	35.6326	5.7380
		Mín.	90.4240	-27.7445	23.9884	-9.3607	-5.0166
		Dif.	47.3119	22.4665	87.9410	44.9932	10.7546
1.765	19.815	Máx.	139.0854	7.4041	113.9484	36.8932	10.4448
		Mín.	90.5623	0.7800	24.3949	-9.1857	-0.7378
		Dif.	48.5231	6.6240	89.5535	46.0790	11.1827
1.765	20.065	Máx.	133.8470	42.9288	110.0237	33.1703	14.9815
		Mín.	86.1247	8.3944	23.4999	-9.9639	3.4945
		Dif.	47.7223	34.5343	86.5238	43.1342	11.4870
1.765	20.315	Máx.	121.5336	81.1661	99.8998	23.7171	18.9302
		Mín.	76.4105	15.9922	21.2647	-11.8867	7.3456
		Dif.	45.1230	65.1740	78.6351	35.6038	11.5845
1.765	20.565	Máx.	100.4628	122.7880	83.1536	6.7078	21.6742
		Mín.	61.0528	23.9816	17.6489	-15.3184	10.2216
		Dif.	39.4100	98.8064	65.5047	22.0262	11.4527
1.765	20.815	Máx.	69.4766	164.8108	59.4083	-14.4020	21.9953
		Mín.	39.9966	31.0575	12.6047	-25.5205	11.4155
		Dif.	29.4800	133.7533	46.8037	11.1185	10.5798

## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.765	21.065	Máx.	30.6950	197.2824	29.0740	-27.0561	18.4564
		Mín.	15.9156	33.8619	6.1988	-60.4359	9.9602
		Dif.	14.7793	163.4205	22.8752	33.3798	8.4962
1.765	21.151	Máx.	30.6950	209.3528	29.0740	-34.0758	24.1112
		Mín.	15.9156	33.5947	6.1988	-101.6246	11.6376
		Dif.	14.7793	175.7581	22.8752	67.5489	12.4736
1.765	22.851	Máx.	58.1014	-41.4818	45.5790	-45.9776	9.0732
		Mín.	39.9848	-212.5378	11.8458	-118.6860	-12.5032
		Dif.	18.1165	171.0560	33.7332	72.7084	21.5764
1.765	23.065	Máx.	58.1014	-40.7097	45.5790	-28.0263	6.2541
		Mín.	39.9848	-197.1690	11.8458	-55.2503	-12.2521
		Dif.	18.1165	156.4593	33.7332	27.2240	18.5062
1.765	23.315	Máx.	94.2745	-36.3185	75.1565	-13.5710	10.2209
		Mín.	64.9348	-161.4968	19.4445	-26.8448	-13.1187
		Dif.	29.3397	125.1783	55.7120	13.2738	23.3396
1.765	23.565	Máx.	120.0356	-28.7863	98.7497	9.5304	15.0632
		Mín.	81.9307	-121.5088	25.4555	-20.5965	-11.7057
		Dif.	38.1049	92.7225	73.2942	30.1269	26.7689
1.765	23.815	Máx.	136.0835	-21.3222	116.1911	24.7045	20.1592
		Mín.	91.7472	-84.5541	29.8520	-16.7586	-8.9211
		Dif.	44.3363	63.2319	86.3391	41.4631	29.0803
1.765	24.065	Máx.	144.7814	-14.6439	127.9250	33.6874	25.2799
		Mín.	96.0295	-52.3988	32.7381	-14.0732	-5.4166
		Dif.	48.7518	37.7549	95.1869	47.7606	30.6965
1.765	24.315	Máx.	147.8847	-8.3961	134.4112	38.3785	30.3858
		Mín.	96.3861	-24.1783	34.1977	-12.1389	-1.5717
		Dif.	51.4985	15.7822	100.2135	50.5174	31.9575
1.765	24.565	Máx.	146.3399	2.7109	135.9825	39.8491	35.4454
		Mín.	93.6842	-3.9721	34.3049	-10.7852	2.4145
		Dif.	52.6558	6.6829	101.6776	50.6342	33.0308
1.765	24.815	Máx.	140.4346	28.6461	132.7303	38.4020	40.6658
		Mín.	87.8373	3.4992	33.0933	-10.0690	6.1329
		Dif.	52.5973	25.1469	99.6370	48.4709	34.5329
1.765	25.065	Máx.	129.8080	57.3352	124.5268	33.5947	45.5958
		Mín.	78.2428	11.0197	30.5885	-10.2676	9.6083
		Dif.	51.5651	46.3155	93.9383	43.8622	35.9875
1.765	25.315	Máx.	113.1468	90.4069	110.9938	24.1846	49.4842
		Mín.	64.5786	19.7027	26.7898	-11.8667	12.7040
		Dif.	48.5682	70.7042	84.2040	36.0513	36.7802
1.765	25.565	Máx.	89.2486	128.3038	91.6452	8.0406	51.1847
		Mín.	46.5209	29.3679	21.7239	-15.5934	14.9383
		Dif.	42.7277	98.9359	69.9213	23.6340	36.2465
1.765	25.815	Máx.	61.2269	168.3129	66.0792	-14.1583	48.9810
		Mín.	21.9806	38.5166	15.4277	-23.3537	15.4979
		Dif.	39.2464	129.7962	50.6515	9.1954	33.4831
1.765	26.065	Máx.	28.9671	201.3119	34.6304	-28.3022	40.9982
		Mín.	-0.0142	43.2469	8.0269	-57.6514	13.3134
		Dif.	28.9813	158.0650	26.6035	29.3492	27.6849
1.765	26.186	Máx.	28.9671	214.3976	34.6304	-40.7129	54.0330
		Mín.	-0.0142	43.8221	8.0269	-105.2890	15.5099
		Dif.	28.9813	170.5755	26.6035	64.5761	38.5232



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.765	27.886	Máx.	65.5518	-29.5161	23.4605	-38.2912	63.8761
		Mín.	36.4549	-119.4397	6.8200	-71.5779	2.6055
		Dif.	29.0969	89.9236	16.6405	33.2867	61.2706
1.765	28.065	Máx.	65.5518	-28.4544	23.4605	-23.5492	50.8000
		Mín.	36.4549	-106.5809	6.8200	-40.2583	1.2643
		Dif.	29.0969	78.1265	16.6405	16.7091	49.5357
1.765	28.315	Máx.	81.1919	-22.3751	37.6180	-5.6068	65.2133
		Mín.	54.6654	-73.4727	10.4860	-31.9307	3.8474
		Dif.	26.5265	51.0977	27.1320	26.3239	61.3659
1.765	28.565	Máx.	80.4582	-10.2183	44.7479	6.5527	75.7903
		Mín.	53.0461	-30.5197	11.8236	-27.1224	7.6234
		Dif.	27.4121	20.3014	32.9243	33.6751	68.1669
1.765	28.815	Máx.	66.7022	17.2081	44.4949	8.8379	81.3781
		Mín.	37.3596	-0.6261	11.0904	-25.4693	11.3844
		Dif.	29.3427	17.8342	33.4045	34.3071	69.9937
1.765	29.065	Máx.	49.8835	58.6118	37.1486	1.2463	80.1228
		Mín.	7.7842	12.2484	8.7714	-27.1999	13.8585
		Dif.	42.0993	46.3634	28.3771	28.4462	66.2642
1.765	29.315	Máx.	27.5569	90.6209	23.4967	-13.7314	70.0158
		Mín.	-17.8358	19.5997	5.3435	-32.2054	13.7252
		Dif.	45.3927	71.0212	18.1532	18.4740	56.2905
1.765	29.516	Máx.	27.5569	103.6495	23.4967	-29.3036	88.0688
		Mín.	-17.8358	20.6882	5.3435	-56.6132	16.4941
		Dif.	45.3927	82.9613	18.1532	27.3095	71.5747
1.765	31.216	Máx.	52.4652	-1.2914	9.3165	-22.5677	128.6586
		Mín.	23.2375	-48.0194	2.5088	-47.7107	20.4332
		Dif.	29.2277	46.7279	6.8077	25.1430	108.2254
1.765	31.315	Máx.	52.4652	-1.4720	9.3165	-14.8330	91.1668
		Mín.	23.2375	-40.1179	2.5088	-47.0273	14.0609
		Dif.	29.2277	38.6459	6.8077	32.1943	77.1059
1.765	31.565	Máx.	48.3805	2.0425	15.5830	-7.1732	110.9584
		Mín.	32.0954	-17.3750	3.8512	-46.0855	18.0638
		Dif.	16.2852	19.4175	11.7318	38.9123	92.8946
1.765	31.815	Máx.	28.3191	15.3369	16.0754	-6.1686	116.0570
		Mín.	10.1941	5.8964	3.6188	-47.3419	20.3005
		Dif.	18.1249	9.4404	12.4566	41.1733	95.7565
1.765	32.065	Máx.	13.7054	39.2891	11.0333	-12.7152	104.3155
		Mín.	-24.4063	10.6827	2.3218	-51.1339	19.2900
		Dif.	38.1117	28.6064	8.7115	38.4187	85.0255
1.765	32.246	Máx.	13.7054	48.4441	11.0333	-22.8176	138.7530
		Mín.	-24.4063	11.2724	2.3218	-55.9293	25.3330
		Dif.	38.1117	37.1717	8.7115	33.1117	113.4200
1.765	33.946	Máx.	83.7355	-21.7375	9.7252	-15.5018	165.2187
		Mín.	27.2296	-56.7368	2.4630	-60.3931	28.3611
		Dif.	56.5059	34.9993	7.2622	44.8913	136.8576
1.765	34.065	Máx.	83.7355	-22.6671	9.7252	-5.6325	121.6764
		Mín.	27.2296	-52.0286	2.4630	-52.2342	20.3805
		Dif.	56.5059	29.3615	7.2622	46.6017	101.2959
1.765	34.315	Máx.	83.4410	-19.5040	16.3589	4.1567	150.5122
		Mín.	36.7287	-40.9427	3.4349	-43.4439	25.8437
		Dif.	46.7123	21.4388	12.9239	47.6006	124.6685



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
1.765	34.565	Máx.	40.7779	-8.6286	18.4442	9.6047	163.5888
		Mín.	27.1288	-28.3052	2.9121	-35.9711	29.1744
		Dif.	13.6491	19.6766	15.5320	45.5759	134.4144
1.765	34.815	Máx.	18.7777	12.1672	16.0698	10.8724	159.1227
		Mín.	-20.0926	-22.5195	1.7080	-30.2455	29.4421
		Dif.	38.8702	34.6867	14.3618	41.1178	129.6806
1.765	35.065	Máx.	3.7807	27.2407	9.9714	11.1515	135.8875
		Mín.	-55.2971	-21.8524	0.6782	-27.5556	25.8202
		Dif.	59.0778	49.0930	9.2932	38.7071	110.0673
1.765	35.234	Máx.	3.7807	32.6228	9.9714	10.1644	176.8379
		Mín.	-55.2971	-23.5026	0.6782	-25.1990	33.2261
		Dif.	59.0778	56.1255	9.2932	35.3635	143.6118
1.765	36.934	Máx.	114.7633	-10.6858	6.5395	34.0037	149.0190
		Mín.	14.0857	-38.2228	2.9884	-36.7201	17.4703
		Dif.	100.6776	27.5370	3.5511	70.7238	131.5488
1.765	37.065	Máx.	114.7633	-13.1471	6.5395	37.0846	109.9560
		Mín.	14.0857	-42.4743	2.9884	-27.2863	11.6056
		Dif.	100.6776	29.3272	3.5511	64.3710	98.3504
1.765	37.315	Máx.	147.5005	-15.9497	11.0087	41.0191	135.3393
		Mín.	17.7378	-50.5243	5.0245	-16.3267	12.4710
		Dif.	129.7627	34.5746	5.9842	57.3458	122.8683
1.765	37.565	Máx.	138.0941	-16.5911	13.0881	46.8215	149.3114
		Mín.	14.7256	-58.5156	5.9481	-4.3207	11.2839
		Dif.	123.3685	41.9245	7.1400	51.1422	138.0274
1.765	37.815	Máx.	111.2188	-17.1427	13.1997	53.2981	154.1411
		Mín.	7.7255	-67.5536	5.9719	9.4405	8.3213
		Dif.	103.4933	50.4109	7.2278	43.8576	145.8198
1.765	38.065	Máx.	81.4132	-18.6314	12.0339	61.0093	152.7612
		Mín.	-3.2351	-77.8216	5.4269	23.3216	3.8940
		Dif.	84.6483	59.1902	6.6070	37.6877	148.8672
1.765	38.315	Máx.	57.2540	-19.5983	10.2395	73.2267	147.7674
		Mín.	-14.0299	-91.2322	4.6266	36.2029	-1.7861
		Dif.	71.2839	71.6339	5.6128	37.0238	149.5535
1.765	38.565	Máx.	45.9331	-23.0737	8.6221	92.3636	141.6501
		Mín.	-23.6797	-109.9096	3.5162	46.6746	-8.5887
		Dif.	69.6128	86.8359	5.1059	45.6890	150.2388
1.765	38.805	Máx.	45.9331	-25.7735	8.6221	128.9983	149.7969
		Mín.	-23.6797	-121.4120	3.5162	62.6566	-11.8311
		Dif.	69.6128	95.6385	5.1059	66.3418	161.6280
2.015	0.325	Máx.	4.6934	85.8255	12.1165	138.2331	22.3592
		Mín.	-35.8932	14.8816	-2.1076	63.4417	-108.1405
		Dif.	40.5867	70.9439	14.2240	74.7914	130.4997
2.015	0.565	Máx.	4.6934	84.6272	12.1165	112.5658	17.4463
		Mín.	-35.8932	14.1591	-2.1076	53.5554	-102.5652
		Dif.	40.5867	70.4682	14.2240	59.0104	120.0116
2.015	0.815	Máx.	2.1709	79.5831	15.8960	95.7792	7.6756
		Mín.	-27.9372	12.4001	-2.4658	46.3100	-108.8312
		Dif.	30.1081	67.1830	18.3618	49.4691	116.5067
2.015	1.065	Máx.	5.9195	71.4478	19.8434	80.0580	0.1179
		Mín.	-20.3431	10.1308	-3.2636	38.5428	-114.8885
		Dif.	26.2626	61.3170	23.1070	41.5152	115.0064



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.015	1.315	Máx.	12.8586	63.1954	23.9622	66.5314	-5.1065
		Mín.	-12.9718	7.6639	-4.1352	30.9480	-120.2420
		Dif.	25.8304	55.5315	28.0974	35.5834	115.1356
2.015	1.565	Máx.	21.3422	55.9396	28.1887	54.5043	-9.4657
		Mín.	-5.7664	5.2715	-4.9473	24.2627	-124.5591
		Dif.	27.1086	50.6681	33.1359	30.2416	115.0934
2.015	1.815	Máx.	30.4533	49.6543	32.4414	45.2241	-13.0413
		Mín.	1.3320	3.0880	-5.6483	17.0306	-127.7854
		Dif.	29.1214	46.5663	38.0897	28.1936	114.7441
2.015	2.065	Máx.	39.7126	44.3058	36.6354	38.4832	-15.8882
		Mín.	8.3311	1.2262	-6.2252	9.2188	-129.9628
		Dif.	31.3815	43.0796	42.8605	29.2644	114.0747
2.015	2.315	Máx.	48.8742	39.8382	40.6823	32.5245	-18.0461
		Mín.	15.2110	-0.2052	-6.6878	1.7752	-131.1767
		Dif.	33.6632	40.0435	47.3701	30.7494	113.1306
2.015	2.565	Máx.	57.9178	36.1980	44.4892	27.5544	-19.5468
		Mín.	21.9338	-1.0992	-7.0592	-5.5775	-131.5297
		Dif.	35.9841	37.2972	51.5484	33.1319	111.9829
2.015	2.815	Máx.	66.9762	33.3483	47.9541	23.1744	-20.4153
		Mín.	28.4525	-1.3439	-7.3800	-13.1177	-131.1266
		Dif.	38.5236	34.6921	55.3342	36.2921	110.7113
2.015	3.065	Máx.	75.8363	31.2804	50.9591	19.5469	-20.6692
		Mín.	34.7144	-0.8089	-7.7018	-20.0251	-130.0634
		Dif.	41.1219	32.0894	58.6609	39.5721	109.3941
2.015	3.315	Máx.	84.8002	30.2298	53.3612	17.8202	-20.3163
		Mín.	40.6549	0.4706	-8.0840	-26.4494	-128.4145
		Dif.	44.1453	29.7592	61.4452	44.2696	108.0982
2.015	3.565	Máx.	94.2008	30.5987	55.0043	16.2167	-19.3550
		Mín.	46.1827	2.4483	-8.5979	-32.5535	-126.2196
		Dif.	48.0182	28.1503	63.6023	48.7702	106.8646
2.015	3.815	Máx.	103.8829	32.4560	55.7055	14.5364	-17.7773
		Mín.	50.8792	5.8345	-9.3230	-38.5415	-123.4624
		Dif.	53.0038	26.6216	65.0285	53.0779	105.6851
2.015	4.065	Máx.	113.8997	35.7645	55.2504	12.4915	-15.5730
		Mín.	54.0691	10.9893	-10.3300	-44.7034	-120.0354
		Dif.	59.8305	24.7752	65.5804	57.1949	104.4623
2.015	4.315	Máx.	124.0139	40.8452	53.3841	9.6607	-12.7415
		Mín.	54.1450	17.4786	-11.6457	-51.4798	-115.6894
		Dif.	69.8689	23.3667	65.0299	61.1405	102.9479
2.015	4.565	Máx.	133.2957	47.7604	49.8785	5.4314	-9.3220
		Mín.	51.6414	24.1686	-13.2318	-60.1191	-109.9717
		Dif.	81.6543	23.5917	63.1103	65.5505	100.6497
2.015	4.815	Máx.	139.8137	60.0931	44.4562	-1.0468	-5.4527
		Mín.	45.6920	30.5612	-14.7835	-71.0568	-102.1676
		Dif.	94.1217	29.5319	59.2397	70.0100	96.7149
2.015	5.065	Máx.	138.0008	75.9131	36.4193	-10.8373	-1.4723
		Mín.	35.6166	36.5980	-15.2433	-85.1513	-91.2973
		Dif.	102.3842	39.3151	51.6626	74.3140	89.8250
2.015	5.315	Máx.	117.6067	90.0691	25.2299	-24.9952	1.9356
		Mín.	21.7633	40.6855	-13.0457	-102.4279	-76.3241
		Dif.	95.8434	49.3836	38.2756	77.4327	78.2596



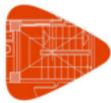
## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.015	5.565	Máx.	61.1781	97.0465	10.5022	-43.4558	3.6172
		Mín.	6.8860	39.6427	-6.4119	-121.0632	-56.9959
		Dif.	54.2921	57.4038	16.9141	77.6075	60.6131
2.015	5.590	Máx.	61.1781	98.0073	10.5022	-52.1824	6.8114
		Mín.	6.8860	37.3223	-6.4119	-131.7728	-86.9743
		Dif.	54.2921	60.6850	16.9141	79.5904	93.7857
2.015	7.290	Máx.	-3.7127	85.3316	12.5067	35.7673	-30.0353
		Mín.	-22.6598	-69.7159	3.8575	-30.4436	-96.7121
		Dif.	18.9471	155.0475	8.6491	66.2109	66.6768
2.015	7.315	Máx.	-3.7127	80.7390	12.5067	22.5020	-18.2906
		Mín.	-22.6598	-65.6609	3.8575	-20.6651	-63.2736
		Dif.	18.9471	146.3999	8.6491	43.1671	44.9830
2.015	7.565	Máx.	3.8894	72.1736	28.1230	6.1436	-19.5679
		Mín.	-17.6754	-51.0207	6.2494	-10.1045	-79.2212
		Dif.	21.5648	123.1943	21.8736	16.2481	59.6533
2.015	7.815	Máx.	19.2823	65.4567	37.1586	5.0846	-16.4893
		Mín.	9.0918	-26.9751	4.8771	-20.4193	-85.2388
		Dif.	10.1905	92.4317	32.2815	25.5039	68.7495
2.015	8.065	Máx.	43.9690	61.8360	40.3330	4.5758	-10.8553
		Mín.	24.1870	1.0260	1.7298	-30.5692	-83.7048
		Dif.	19.7821	60.8100	38.6032	35.1451	72.8494
2.015	8.315	Máx.	66.5241	62.0745	38.2094	0.2116	-4.2896
		Mín.	25.0116	29.3662	-1.5259	-42.9130	-76.6556
		Dif.	41.5125	32.7084	39.7353	43.1246	72.3660
2.015	8.565	Máx.	74.8475	74.9032	30.9139	-9.7146	1.7167
		Mín.	18.4704	38.9577	-3.4356	-57.1862	-65.2158
		Dif.	56.3770	35.9455	34.3494	47.4716	66.9325
2.015	8.815	Máx.	59.0973	88.4467	18.3667	-25.7579	5.5666
		Mín.	8.0942	41.9644	-3.0185	-72.6807	-50.3056
		Dif.	51.0031	46.4823	21.3852	46.9228	55.8722
2.015	8.960	Máx.	59.0973	92.9036	18.3667	-44.8862	10.7716
		Mín.	8.0942	41.8364	-3.0185	-88.5614	-65.0220
		Dif.	51.0031	51.0672	21.3852	43.6752	75.7936
2.015	10.660	Máx.	5.4426	40.1988	27.3485	10.4657	-29.5192
		Mín.	-8.1551	-119.1859	5.1595	-56.4582	-63.4678
		Dif.	13.5978	159.3847	22.1890	66.9239	33.9486
2.015	10.815	Máx.	5.4426	36.1022	27.3485	-0.8482	-20.1253
		Mín.	-8.1551	-110.2115	5.1595	-24.9529	-47.9338
		Dif.	13.5978	146.3137	22.1890	24.1047	27.8085
2.015	11.065	Máx.	24.5082	29.5051	46.1509	-2.6511	-18.9375
		Mín.	10.3653	-87.1283	7.1046	-11.9970	-54.6529
		Dif.	14.1429	116.6334	39.0464	9.3459	35.7154
2.015	11.315	Máx.	47.8945	25.7055	58.6708	10.4155	-13.9002
		Mín.	30.2244	-57.4940	6.8200	-15.6690	-55.1408
		Dif.	17.6701	83.1995	51.8508	26.0846	41.2406
2.015	11.565	Máx.	66.6256	24.2680	65.5010	17.7599	-6.7429
		Mín.	45.7900	-26.2338	5.3532	-19.7749	-51.5240
		Dif.	20.8356	50.5019	60.1478	37.5348	44.7811
2.015	11.815	Máx.	78.8710	25.0264	67.1333	19.3070	1.2612
		Mín.	52.3343	5.3300	3.4283	-24.0323	-45.4642
		Dif.	26.5366	19.6963	63.7050	43.3393	46.7254



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.015	12.065	Máx.	84.7611	41.5839	63.6166	15.2710	9.1123
		Mín.	46.8155	21.5423	1.5246	-29.2100	-38.0233
		Dif.	37.9456	20.0416	62.0919	44.4810	47.1356
2.015	12.315	Máx.	81.1531	71.1854	54.5932	5.0891	15.7404
		Mín.	32.5175	25.2743	-0.0113	-35.4786	-29.8846
		Dif.	48.6356	45.9112	54.6046	40.5677	45.6250
2.015	12.565	Máx.	64.1101	100.4768	39.3292	-12.0467	19.6714
		Mín.	13.7813	24.3341	-0.8189	-43.0032	-21.8715
		Dif.	50.3289	76.1426	40.1482	30.9565	41.5429
2.015	12.815	Máx.	30.3972	119.9729	17.1458	-31.9358	18.9384
		Mín.	-0.4263	19.3136	-0.6205	-52.8894	-14.7425
		Dif.	30.8235	100.6592	17.7663	20.9536	33.6809
2.015	12.845	Máx.	30.3972	126.0094	17.1458	-38.0966	31.1084
		Mín.	-0.4263	15.6215	-0.6205	-67.6526	-22.1854
		Dif.	30.8235	110.3878	17.7663	29.5560	53.2939
2.015	14.545	Máx.	7.8137	29.1492	16.8107	-3.6144	-19.6519
		Mín.	-1.1212	-131.3723	1.4819	-59.3960	-40.8983
		Dif.	8.9349	160.5215	15.3288	55.7816	21.2464
2.015	14.565	Máx.	7.8137	24.8766	16.8107	-7.6817	-12.4350
		Mín.	-1.1212	-125.3280	1.4819	-41.5455	-25.7941
		Dif.	8.9349	150.2045	15.3288	33.8637	13.3592
2.015	14.815	Máx.	30.3932	17.3822	40.0448	-8.8504	-13.6583
		Mín.	13.3192	-105.1526	2.6714	-18.6833	-29.3365
		Dif.	17.0740	122.5349	37.3734	9.8328	15.6782
2.015	15.065	Máx.	53.0286	12.3032	55.8848	3.8303	-10.5604
		Mín.	33.1729	-74.1198	2.6276	-16.7848	-28.5882
		Dif.	19.8557	86.4230	53.2572	20.6151	18.0279
2.015	15.315	Máx.	71.3332	9.7437	65.0858	14.6071	-4.8738
		Mín.	46.7212	-39.8175	1.9849	-17.9950	-25.1542
		Dif.	24.6120	49.5612	63.1009	32.6021	20.2804
2.015	15.565	Máx.	80.7957	9.4030	68.4841	18.5790	2.9176
		Mín.	52.5808	-5.0643	1.1533	-19.3199	-19.8989
		Dif.	28.2150	14.4673	67.3308	37.8989	22.8164
2.015	15.815	Máx.	82.2353	31.1368	66.3384	16.2031	10.9258
		Mín.	48.3070	7.2243	0.4304	-20.9896	-13.8644
		Dif.	33.9283	23.9126	65.9079	37.1927	24.7902
2.015	16.065	Máx.	74.5949	65.5804	58.4511	7.2806	17.7872
		Mín.	34.9829	6.8159	-0.0305	-23.1447	-7.8715
		Dif.	39.6120	58.7645	58.4816	30.4253	25.6587
2.015	16.315	Máx.	56.6478	97.7049	44.2226	-8.9145	22.0578
		Mín.	16.2722	4.0681	-0.1872	-25.3844	-2.8114
		Dif.	40.3756	93.6367	44.4098	16.4700	24.8692
2.015	16.565	Máx.	28.5562	121.1563	23.0204	-20.5853	21.8178
		Mín.	0.3622	-1.9871	-0.1061	-38.6665	0.0185
		Dif.	28.1939	123.1435	23.1265	18.0812	21.7993
2.015	16.652	Máx.	28.5562	129.5622	23.0204	-23.5175	33.6693
		Mín.	0.3622	-5.9795	-0.1061	-60.9032	-0.2462
		Dif.	28.1939	135.5417	23.1265	37.3857	33.9156
2.015	18.352	Máx.	33.5049	10.5267	37.2062	-13.8378	-11.9516
		Mín.	10.1975	-153.9774	1.2240	-82.6017	-35.5333
		Dif.	23.3074	164.5040	35.9822	68.7639	23.5817



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.015	18.565	Máx.	33.5049	6.5882	37.2062	-15.2783	-9.7957
		Mín.	10.1975	-142.6954	1.2240	-35.2784	-26.1438
		Dif.	23.3074	149.2836	35.9822	20.0001	16.3482
2.015	18.815	Máx.	60.0940	0.9228	59.5787	-6.5141	-8.5431
		Mín.	32.7031	-115.7867	1.8576	-19.2954	-25.5565
		Dif.	27.3910	116.7095	57.7212	12.7812	17.0135
2.015	19.065	Máx.	81.5205	-1.3999	76.0275	11.1378	-5.0458
		Mín.	53.7838	-84.1836	2.3388	-17.7533	-21.1223
		Dif.	27.7367	82.7837	73.6886	28.8911	16.0766
2.015	19.315	Máx.	97.6868	-1.8649	87.0788	22.2316	-0.3227
		Mín.	66.6772	-53.0887	2.7678	-17.0289	-14.8261
		Dif.	31.0096	51.2238	84.3110	39.2605	14.5034
2.015	19.565	Máx.	106.3212	-1.2479	93.3292	27.9267	4.9614
		Mín.	72.7155	-23.6678	3.1253	-16.5384	-7.6383
		Dif.	33.6057	22.4199	90.2039	44.4651	12.5997
2.015	19.815	Máx.	107.8341	5.5361	95.0543	29.0656	10.4051
		Mín.	72.8614	-2.4170	3.4296	-16.4422	-0.4607
		Dif.	34.9727	7.9531	91.6247	45.5078	10.8658
2.015	20.065	Máx.	102.2887	34.1985	92.2989	25.8614	16.8864
		Mín.	67.7890	-0.2356	3.6647	-16.7395	5.0450
		Dif.	34.4997	34.4341	88.6342	42.6010	11.8414
2.015	20.315	Máx.	89.6536	64.3944	84.8195	17.9907	22.9311
		Mín.	57.1803	-0.0734	3.8026	-17.4061	9.9774
		Dif.	32.4733	64.4679	81.0169	35.3969	12.9537
2.015	20.565	Máx.	69.7278	96.3745	72.0533	4.3008	28.1433
		Mín.	41.0506	-1.4645	3.7632	-18.0219	14.0155
		Dif.	28.6773	97.8391	68.2901	22.3227	14.1279
2.015	20.815	Máx.	45.2968	127.9815	53.0944	-11.2583	30.8704
		Mín.	17.6962	-5.0711	3.3067	-21.7055	16.1447
		Dif.	27.6007	133.0526	49.7877	10.4472	14.7257
2.015	21.065	Máx.	17.7574	152.1601	27.0699	-14.5605	28.3825
		Mín.	-0.6942	-11.5550	2.0023	-47.9062	14.9713
		Dif.	18.4516	163.7151	25.0677	33.3457	13.4112
2.015	21.151	Máx.	17.7574	161.1065	27.0699	-11.7432	41.7680
		Mín.	-0.6942	-15.5946	2.0023	-79.6081	21.3074
		Dif.	18.4516	176.7012	25.0677	67.8648	20.4606
2.015	22.851	Máx.	46.9498	-11.2085	40.4055	-38.4327	3.8499
		Mín.	9.5393	-170.0725	2.1151	-98.2899	-37.2934
		Dif.	37.4106	158.8640	38.2904	59.8573	41.1433
2.015	23.065	Máx.	46.9498	-14.2191	40.4055	-26.8752	3.0424
		Mín.	9.5393	-158.4461	2.1151	-51.4681	-27.7631
		Dif.	37.4106	144.2270	38.2904	24.5928	30.8054
2.015	23.315	Máx.	75.0402	-17.6886	65.1466	-13.2916	6.9798
		Mín.	32.3184	-131.1879	3.8937	-33.6673	-27.7439
		Dif.	42.7219	113.4993	61.2529	20.3757	34.7238
2.015	23.565	Máx.	94.5010	-17.5266	84.0811	5.7402	12.1131
		Mín.	55.5836	-100.1391	5.8702	-28.4709	-23.9537
		Dif.	38.9174	82.6124	78.2108	34.2111	36.0668
2.015	23.815	Máx.	107.6368	-15.6266	97.8200	18.8693	17.7393
		Mín.	72.5993	-70.8581	7.8961	-24.9581	-18.1452
		Dif.	35.0375	55.2315	89.9239	43.8273	35.8845



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.015	24.065	Máx.	116.2146	-13.0717	107.0477	26.9798	23.5194
		Mín.	79.1939	-44.7472	9.7974	-22.2048	-11.4112
		Dif.	37.0207	31.6756	97.2504	49.1846	34.9306
2.015	24.315	Máx.	119.7050	-9.4129	112.2426	31.3603	29.3305
		Mín.	80.9672	-22.5952	11.4406	-20.1052	-4.3119
		Dif.	38.7378	13.1823	100.8021	51.4655	33.6424
2.015	24.565	Máx.	118.7588	1.5254	113.6807	32.7712	35.1217
		Mín.	78.7450	-11.2233	12.7620	-18.5014	2.9104
		Dif.	40.0137	12.7487	100.9187	51.2727	32.2113
2.015	24.815	Máx.	111.9721	22.9737	111.4442	31.4560	41.0255
		Mín.	72.6264	-8.7138	13.7466	-17.3137	9.9084
		Dif.	39.3457	31.6876	97.6976	48.7697	31.1171
2.015	25.065	Máx.	99.0670	46.1924	105.4257	27.1534	46.6441
		Mín.	62.1731	-7.9505	14.3873	-16.2185	16.6617
		Dif.	36.8939	54.1429	91.0384	43.3720	29.9823
2.015	25.315	Máx.	79.1893	71.9804	95.2845	19.0814	51.3113
		Mín.	47.3547	-8.3816	14.5926	-14.9519	22.9578
		Dif.	31.8346	80.3620	80.6919	34.0334	28.3535
2.015	25.565	Máx.	52.5655	100.6158	80.3970	6.0358	53.8932
		Mín.	28.5157	-10.2419	14.0487	-13.2481	28.0797
		Dif.	24.0499	110.8577	66.3483	19.2839	25.8135
2.015	25.815	Máx.	22.4829	130.2678	59.8139	-5.9406	52.6345
		Mín.	8.1694	-13.7770	12.0315	-15.4524	30.6915
		Dif.	14.3134	144.0449	47.7824	9.5119	21.9429
2.015	26.065	Máx.	1.6973	154.5223	32.5919	-3.6132	45.3414
		Mín.	-8.9759	-19.5471	7.4482	-43.0390	28.1428
		Dif.	10.6732	174.0694	25.1437	39.4259	17.1987
2.015	26.186	Máx.	1.6973	164.1092	32.5919	1.5444	62.2131
		Mín.	-8.9759	-23.1129	7.4482	-80.4027	39.6258
		Dif.	10.6732	187.2222	25.1437	81.9471	22.5873
2.015	27.886	Máx.	55.1240	-47.8962	21.4998	-52.1482	60.5381
		Mín.	8.4096	-104.9626	0.5243	-89.2776	-10.9772
		Dif.	46.7145	57.0664	20.9755	37.1294	71.5153
2.015	28.065	Máx.	55.1240	-47.5236	21.4998	-28.9890	49.1803
		Mín.	8.4096	-97.8868	0.5243	-69.1804	-5.3547
		Dif.	46.7145	50.3632	20.9755	40.1914	54.5351
2.015	28.315	Máx.	63.4713	-43.5958	34.0502	-11.1133	63.7649
		Mín.	17.7568	-78.4430	2.3419	-53.8473	-0.6734
		Dif.	45.7144	34.8472	31.7083	42.7340	64.4383
2.015	28.565	Máx.	51.2951	-28.7640	40.5969	-0.2722	74.8061
		Mín.	22.5899	-62.7911	5.2188	-39.7487	6.0909
		Dif.	28.7052	34.0271	35.3781	39.4765	68.7152
2.015	28.815	Máx.	28.8970	2.5947	41.1548	3.3272	81.0559
		Mín.	16.5664	-58.8408	8.0928	-26.8937	13.0991
		Dif.	12.3305	61.4355	33.0620	30.2209	67.9568
2.015	29.065	Máx.	10.3795	33.5136	35.5552	0.9681	80.8151
		Mín.	-7.1020	-59.9706	9.5025	-13.9665	18.5244
		Dif.	17.4815	93.4843	26.0527	14.9346	62.2907
2.015	29.315	Máx.	-0.6455	57.1284	23.4363	5.3825	71.8374
		Mín.	-27.9958	-64.6138	7.7046	-11.5634	20.4015
		Dif.	27.3503	121.7422	15.7317	16.9459	51.4359

## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.015	29.516	Máx.	-0.6455	66.2728	23.4363	24.7483	92.4911
		Mín.	-27.9958	-68.0116	7.7046	-30.9704	29.6247
		Dif.	27.3503	134.2844	15.7317	55.7187	62.8664
2.015	31.216	Máx.	44.5697	-55.6193	9.3021	-37.0874	127.5961
		Mín.	4.5287	-124.2885	-1.0014	-130.2706	13.0368
		Dif.	40.0410	68.6692	10.3035	93.1832	114.5592
2.015	31.315	Máx.	44.5697	-50.3743	9.3021	-24.5850	90.8338
		Mín.	4.5287	-126.5106	-1.0014	-102.3445	11.2011
		Dif.	40.0410	76.1362	10.3035	77.7595	79.6327
2.015	31.565	Máx.	34.5307	-34.8729	15.9445	-13.1653	110.3641
		Mín.	3.2465	-129.9505	0.8448	-70.2421	16.8996
		Dif.	31.2842	95.0777	15.0997	57.0769	93.4645
2.015	31.815	Máx.	0.6343	-14.0455	17.3524	-6.5547	115.6949
		Mín.	-5.2520	-131.7241	3.9348	-38.8920	21.1825
		Dif.	5.8863	117.6786	13.4176	32.3373	94.5124
2.015	32.065	Máx.	-8.3754	2.9041	12.6966	2.0848	104.8740
		Mín.	-33.4175	-136.0331	4.7112	-9.4033	21.9576
		Dif.	25.0421	138.9372	7.9854	11.4881	82.9164
2.015	32.246	Máx.	-8.3754	9.2828	12.6966	39.8032	141.1817
		Mín.	-33.4175	-139.2834	4.7112	-9.3983	32.0999
		Dif.	25.0421	148.5662	7.9854	49.2015	109.0819
2.015	33.946	Máx.	76.4374	-62.8212	7.7882	-34.0921	165.6157
		Mín.	13.1396	-167.2749	-5.3589	-168.6294	22.0859
		Dif.	63.2978	104.4538	13.1472	134.5373	143.5298
2.015	34.065	Máx.	76.4374	-59.6563	7.7882	-18.7540	121.9780
		Mín.	13.1396	-170.3082	-5.3589	-127.3480	17.7384
		Dif.	63.2978	110.6519	13.1472	108.5940	104.2396
2.015	34.315	Máx.	71.3159	-49.6306	13.8309	-4.6037	149.9015
		Mín.	14.6591	-173.9110	-5.1266	-84.3434	24.3736
		Dif.	56.6568	124.2803	18.9575	79.7397	125.5279
2.015	34.565	Máx.	25.6226	-35.2342	17.1460	6.2049	162.4759
		Mín.	8.0708	-175.7324	-0.6816	-42.8600	29.2730
		Dif.	17.5517	140.4982	17.8276	49.0649	133.2029
2.015	34.815	Máx.	-2.6785	-21.3637	16.7339	19.7728	158.5575
		Mín.	-29.7220	-180.1587	4.1433	-2.8103	31.1490
		Dif.	27.0435	158.7951	12.5906	22.5831	127.4085
2.015	35.065	Máx.	-10.6980	-12.0436	11.8363	49.1875	136.5920
		Mín.	-60.8880	-188.4829	5.0197	18.1014	28.7147
		Dif.	50.1900	176.4394	6.8166	31.0861	107.8773
2.015	35.234	Máx.	-10.6980	-9.0585	11.8363	104.0817	179.4408
		Mín.	-60.8880	-193.6328	5.0197	21.1757	39.2631
		Dif.	50.1900	184.5744	6.8166	82.9060	140.1777
2.015	36.934	Máx.	111.2756	-30.6598	1.1030	15.6563	152.7539
		Mín.	9.4538	-120.5704	-15.6941	-125.3833	15.4150
		Dif.	101.8218	89.9106	16.7971	141.0396	137.3389
2.015	37.065	Máx.	111.2756	-32.1066	1.1030	26.0803	111.9734
		Mín.	9.4538	-124.1626	-15.6941	-93.3494	10.6451
		Dif.	101.8218	92.0560	16.7971	119.4297	101.3283
2.015	37.315	Máx.	140.4640	-33.2670	2.4492	37.1645	136.0830
		Mín.	10.8604	-127.5791	-23.4299	-58.8518	11.7030
		Dif.	129.6036	94.3121	25.8791	96.0164	124.3800



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.015	37.565	Máx.	130.1312	-31.6495	3.7418	47.9720	148.8705
		Mín.	7.5968	-126.5838	-24.4199	-26.1753	10.8282
		Dif.	122.5344	94.9344	28.1617	74.1473	138.0424
2.015	37.815	Máx.	104.3706	-30.0683	4.6550	58.3975	153.1094
		Mín.	1.7338	-124.7001	-21.6574	3.3136	8.2100
		Dif.	102.6368	94.6318	26.3124	55.0839	144.8994
2.015	38.065	Máx.	76.4096	-29.2228	5.0742	69.1820	151.6217
		Mín.	-7.2451	-124.6554	-17.4576	25.4448	4.0568
		Dif.	83.6547	95.4327	22.5318	43.7372	147.5649
2.015	38.315	Máx.	53.7832	-28.9880	5.0416	84.9987	146.7761
		Mín.	-17.6733	-126.5955	-13.1574	42.2123	-1.5038
		Dif.	71.4564	97.6075	18.1990	42.7865	148.2799
2.015	38.565	Máx.	42.5624	-28.5877	4.6164	105.1456	140.7116
		Mín.	-27.6389	-127.3933	-9.5899	53.5809	-8.4495
		Dif.	70.2013	98.8056	14.2063	51.5646	149.1611
2.015	38.805	Máx.	42.5624	-28.2178	4.6164	139.3997	149.2053
		Mín.	-27.6389	-126.8488	-9.5899	69.5975	-11.7759
		Dif.	70.2013	98.6310	14.2063	69.8022	160.9812
2.265	0.325	Máx.	3.4252	123.4978	10.8484	173.0070	21.6453
		Mín.	-38.0990	30.4964	-2.7571	79.7416	-107.6340
		Dif.	41.5242	93.0014	13.6055	93.2654	129.2793
2.265	0.565	Máx.	3.4252	111.8873	10.8484	132.1499	16.7502
		Mín.	-38.0990	26.9468	-2.7571	63.4030	-101.9300
		Dif.	41.5242	84.9406	13.6055	68.7469	118.6803
2.265	0.815	Máx.	0.3819	94.0985	13.8113	109.5318	6.7305
		Mín.	-30.1404	21.4760	-5.2000	53.5341	-108.0859
		Dif.	30.5223	72.6225	19.0113	55.9977	114.8165
2.265	1.065	Máx.	3.4128	83.0087	17.0028	91.1727	-1.7707
		Mín.	-22.6797	17.9474	-7.3467	44.3527	-114.0291
		Dif.	26.0925	65.0613	24.3495	46.8200	112.2584
2.265	1.315	Máx.	9.5603	73.8315	20.3428	75.7393	-8.1003
		Mín.	-15.5559	14.8940	-9.4528	35.4966	-119.3077
		Dif.	25.1162	58.9375	29.7956	40.2428	111.2075
2.265	1.565	Máx.	17.2189	65.9192	23.7631	62.0132	-12.5160
		Mín.	-8.6505	12.1419	-11.5315	27.6904	-123.5987
		Dif.	25.8694	53.7772	35.2946	34.3228	111.0826
2.265	1.815	Máx.	25.5229	59.1370	27.1932	51.1855	-16.0783
		Mín.	-1.9182	9.6863	-13.5589	19.4421	-126.8278
		Dif.	27.4411	49.4507	40.7521	31.7434	110.7495
2.265	2.065	Máx.	33.9997	53.3075	30.5697	43.3166	-18.8441
		Mín.	4.6489	7.5761	-15.5280	10.4195	-129.0159
		Dif.	29.3508	45.7314	46.0977	32.8971	110.1719
2.265	2.315	Máx.	42.3938	48.3960	33.8177	36.3083	-20.8532
		Mín.	11.0330	5.8810	-17.4386	2.1305	-130.2310
		Dif.	31.3608	42.5149	51.2563	34.1777	109.3779
2.265	2.565	Máx.	50.5716	44.3844	36.8647	30.3352	-22.1338
		Mín.	17.1973	4.6807	-19.3120	-6.0799	-130.5611
		Dif.	33.3744	39.7037	56.1767	36.4151	108.4273
2.265	2.815	Máx.	58.7234	41.2814	39.6342	25.0466	-22.7049
		Mín.	23.0892	4.0632	-21.1886	-14.3568	-130.0977
		Dif.	35.6342	37.2182	60.8228	39.4034	107.3928



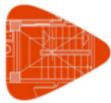
## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.265	3.065	Máx.	66.7265	39.1376	42.0434	20.2892	-22.5760
		Mín.	28.6396	4.1302	-23.1258	-22.1117	-128.9250
		Dif.	38.0868	35.0075	65.1692	42.4009	106.3490
2.265	3.315	Máx.	74.7583	38.0637	44.0027	16.6513	-21.7472
		Mín.	33.7559	5.0033	-25.1962	-29.3308	-127.1101
		Dif.	41.0024	33.0604	69.1989	45.9820	105.3629
2.265	3.565	Máx.	83.0271	38.8722	45.4170	14.1860	-20.2102
		Mín.	38.3090	6.2127	-27.4819	-36.2480	-124.6931
		Dif.	44.7181	32.6595	72.8988	50.4340	104.4829
2.265	3.815	Máx.	91.2843	41.5514	46.1857	11.6231	-17.9519
		Mín.	41.9302	8.5195	-30.0621	-43.1807	-121.6763
		Dif.	49.3541	33.0319	76.2479	54.8037	103.7245
2.265	4.065	Máx.	99.4907	46.4086	46.2032	8.6914	-14.9612
		Mín.	42.7814	12.1635	-32.9840	-50.5985	-118.0101
		Dif.	56.7092	34.2452	79.1872	59.2899	103.0489
2.265	4.315	Máx.	107.4026	53.8027	45.3547	5.0315	-11.2447
		Mín.	40.7768	17.3681	-36.1973	-59.2251	-113.5787
		Dif.	66.6258	36.4346	81.5520	64.2566	102.3341
2.265	4.565	Máx.	114.3545	64.0994	43.4984	0.1817	-6.8536
		Mín.	35.9453	24.2946	-39.6686	-70.6363	-108.1855
		Dif.	78.4092	39.8048	83.1670	70.8180	101.3319
2.265	4.815	Máx.	119.2630	77.0815	40.3959	-6.4105	-1.9297
		Mín.	27.7724	32.1844	-42.4082	-86.2927	-101.5245
		Dif.	91.4906	44.8970	82.8041	79.8821	99.5948
2.265	5.065	Máx.	118.4843	91.0152	35.5184	-15.3082	3.2191
		Mín.	16.4392	39.9052	-42.6743	-107.9015	-93.0775
		Dif.	102.0451	51.1100	78.1927	92.5933	96.2966
2.265	5.315	Máx.	104.4514	101.4628	27.5851	-26.8133	7.9522
		Mín.	4.0680	45.7224	-37.0541	-136.5936	-81.7759
		Dif.	100.3835	55.7404	64.6391	109.7803	89.7280
2.265	5.565	Máx.	58.7646	102.2743	13.8148	-41.1797	10.8081
		Mín.	-3.3283	47.0525	-19.9495	-168.8957	-65.3459
		Dif.	62.0929	55.2219	33.7643	127.7161	76.1540
2.265	5.590	Máx.	58.7646	100.2260	13.8148	-50.7155	21.7266
		Mín.	-3.3283	46.0451	-19.9495	-186.5221	-101.9520
		Dif.	62.0929	54.1809	33.7643	135.8066	123.6786
2.265	7.290	Máx.	-9.3035	194.8758	21.4416	105.0094	-48.3255
		Mín.	-21.1952	-27.3545	9.0129	-10.0246	-108.1391
		Dif.	11.8917	222.2303	12.4288	115.0340	59.8137
2.265	7.315	Máx.	-9.3035	184.2012	21.4416	74.1242	-26.8837
		Mín.	-21.1952	-24.9283	9.0129	-7.0918	-68.3436
		Dif.	11.8917	209.1295	12.4288	81.2160	41.4599
2.265	7.565	Máx.	-3.3690	159.4746	39.6840	29.1444	-25.4411
		Mín.	-19.6714	-17.1524	11.3294	-3.7829	-80.0606
		Dif.	16.3025	176.6270	28.3547	32.9273	54.6196
2.265	7.815	Máx.	18.8539	133.7979	47.0718	3.7542	-19.3599
		Mín.	-9.8691	-5.0477	5.4421	-13.9348	-82.5567
		Dif.	28.7230	138.8456	41.6297	17.6890	63.1968
2.265	8.065	Máx.	42.5010	114.8954	48.4092	-2.9350	-11.1521
		Mín.	-3.2080	9.4417	-2.8191	-34.6089	-79.7080
		Dif.	45.7090	105.4537	51.2284	31.6739	68.5558



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.265	8.315	Máx.	60.6517	104.9533	45.7878	-7.4839	-2.2271
		Mín.	-2.7392	25.3768	-10.1942	-56.4861	-73.5448
		Dif.	63.3909	79.5765	55.9819	49.0022	71.3176
2.265	8.565	Máx.	68.1023	100.1425	38.9353	-14.8002	6.2101
		Mín.	-7.1104	41.3126	-14.0338	-79.6996	-64.5662
		Dif.	75.2127	58.8299	52.9691	64.8994	70.7763
2.265	8.815	Máx.	55.7720	96.2894	25.4958	-25.6083	12.4423
		Mín.	-10.1506	45.7535	-11.5661	-104.8975	-52.2946
		Dif.	65.9226	50.5360	37.0619	79.2892	64.7369
2.265	8.960	Máx.	55.7720	94.3589	25.4958	-40.8051	25.5052
		Mín.	-10.1506	46.8371	-11.5661	-130.1510	-69.1634
		Dif.	65.9226	47.5218	37.0619	89.3459	94.6686
2.265	10.660	Máx.	1.5738	114.2060	36.6856	56.7419	-41.4304
		Mín.	-18.7730	-70.4947	6.8973	-33.7105	-75.7863
		Dif.	20.3468	184.7007	29.7883	90.4524	34.3560
2.265	10.815	Máx.	1.5738	103.8233	36.6856	24.4665	-28.4080
		Mín.	-18.7730	-64.9048	6.8973	-15.8771	-51.6238
		Dif.	20.3468	168.7281	29.7883	40.3436	23.2158
2.265	11.065	Máx.	20.9330	83.1678	55.0031	1.9976	-26.4389
		Mín.	-7.7359	-51.1410	6.2724	-5.7637	-54.4103
		Dif.	28.6690	134.3088	48.7307	7.7613	27.9714
2.265	11.315	Máx.	41.5525	64.8175	64.0561	3.6676	-18.9261
		Mín.	8.8571	-34.0702	2.1589	-16.1141	-53.1079
		Dif.	32.6955	98.8877	61.8972	19.7817	34.1818
2.265	11.565	Máx.	59.1945	51.2835	68.0428	7.5193	-9.0924
		Mín.	20.0623	-15.9717	-3.0166	-25.1471	-48.8595
		Dif.	39.1322	67.2552	71.0594	32.6665	39.7671
2.265	11.815	Máx.	71.3031	42.4053	68.7819	8.2918	1.4670
		Mín.	22.7672	2.5230	-7.7899	-32.4932	-42.9879
		Dif.	48.5360	39.8823	76.5718	40.7849	44.4549
2.265	12.065	Máx.	76.5361	37.7453	66.6667	5.7778	11.9494
		Mín.	16.6085	18.3753	-11.2438	-39.6801	-36.2766
		Dif.	59.9276	19.3700	77.9104	45.4579	48.2260
2.265	12.315	Máx.	74.1412	46.3804	60.8645	-0.1048	21.5113
		Mín.	2.9600	21.8477	-12.6515	-47.4581	-29.5445
		Dif.	71.1812	24.5327	73.5161	47.3534	51.0558
2.265	12.565	Máx.	60.8496	59.9873	48.9156	-9.2261	28.8053
		Mín.	-12.4311	17.1142	-11.2187	-55.6878	-23.0189
		Dif.	73.2807	42.8731	60.1344	46.4618	51.8241
2.265	12.815	Máx.	31.2356	72.4389	25.4918	-21.9269	30.9995
		Mín.	-15.9873	5.5335	-5.9296	-62.7960	-16.7834
		Dif.	47.2229	66.9054	31.4214	40.8692	47.7828
2.265	12.845	Máx.	31.2356	76.8573	25.4918	-29.6070	56.0742
		Mín.	-15.9873	-1.0400	-5.9296	-65.5981	-25.6206
		Dif.	47.2229	77.8973	31.4214	35.9911	81.6948
2.265	14.545	Máx.	10.8624	88.9255	25.7169	25.9704	-27.4808
		Mín.	-16.1844	-82.3438	0.6234	-38.9201	-61.5568
		Dif.	27.0467	171.2693	25.0935	64.8905	34.0760
2.265	14.565	Máx.	10.8624	80.1413	25.7169	12.7625	-16.1520
		Mín.	-16.1844	-77.7175	0.6234	-28.3748	-35.0890
		Dif.	27.0467	157.8588	25.0935	41.1373	18.9370



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.265	14.815	Máx.	32.7464	61.2985	50.7960	-2.9059	-16.2900
		Mín.	-13.1276	-64.4108	-1.7851	-15.3090	-35.1429
		Dif.	45.8741	125.7093	52.5811	12.4031	18.8529
2.265	15.065	Máx.	52.9862	43.0895	63.2372	-1.4606	-12.8973
		Mín.	1.7663	-45.8581	-5.6444	-18.4445	-29.9625
		Dif.	51.2199	88.9476	68.8816	16.9839	17.0653
2.265	15.315	Máx.	67.4021	29.0968	68.9193	4.7900	-6.8107
		Mín.	14.8148	-25.6983	-9.2003	-22.8009	-23.6388
		Dif.	52.5873	54.7952	78.1196	27.5909	16.8281
2.265	15.565	Máx.	75.4020	18.9303	70.6834	7.4619	2.4279
		Mín.	19.9738	-5.0489	-11.6977	-26.1502	-18.6953
		Dif.	55.4282	23.9792	82.3811	33.6121	21.1232
2.265	15.815	Máx.	76.6176	19.1440	69.4142	6.2641	13.2048
		Mín.	15.7536	3.6637	-12.8286	-28.5343	-13.2616
		Dif.	60.8640	15.4803	82.2428	34.7984	26.4665
2.265	16.065	Máx.	70.6351	38.4148	64.4382	1.3488	23.0829
		Mín.	3.2312	-2.8493	-12.2055	-30.3781	-7.9468
		Dif.	67.4039	41.2641	76.6437	31.7269	31.0297
2.265	16.315	Máx.	56.0819	57.3874	53.6075	-7.1747	30.7607
		Mín.	-12.5181	-14.6130	-9.6533	-30.8786	-3.8471
		Dif.	68.6000	72.0004	63.2608	23.7039	34.6079
2.265	16.565	Máx.	30.8121	72.2058	32.2051	-14.9160	33.6697
		Mín.	-19.1518	-29.6550	-5.1523	-29.9015	-1.3447
		Dif.	49.9640	101.8608	37.3574	14.9854	35.0143
2.265	16.652	Máx.	30.8121	77.9947	32.2051	-14.5603	57.6609
		Mín.	-19.1518	-37.7312	-5.1523	-38.5230	-2.2641
		Dif.	49.9640	115.7260	37.3574	23.9627	59.9250
2.265	18.352	Máx.	34.4706	51.6306	44.3754	5.8118	-11.8358
		Mín.	-13.8416	-101.6345	-5.6194	-56.5972	-58.7788
		Dif.	48.3122	153.2650	49.9948	62.4090	46.9430
2.265	18.565	Máx.	34.4706	42.9686	44.3754	-8.7925	-9.5595
		Mín.	-13.8416	-94.1304	-5.6194	-26.9106	-39.0780
		Dif.	48.3122	137.0990	49.9948	18.1181	29.5185
2.265	18.815	Máx.	58.8529	27.7332	64.3844	-6.6512	-8.3814
		Mín.	2.4268	-76.7152	-9.4805	-21.6146	-35.8136
		Dif.	56.4261	104.4484	73.8649	14.9634	27.4322
2.265	19.065	Máx.	76.6321	16.3847	76.0403	4.5748	-5.0120
		Mín.	23.2776	-56.7008	-12.4185	-22.4293	-28.4770
		Dif.	53.3545	73.0855	88.4588	27.0042	23.4650
2.265	19.315	Máx.	88.2061	8.4828	82.8493	12.4973	-0.5267
		Mín.	40.2632	-36.7343	-14.2241	-23.3011	-19.2603
		Dif.	47.9429	45.2171	97.0734	35.7984	18.7336
2.265	19.565	Máx.	94.2634	2.9751	86.5329	16.8085	4.5197
		Mín.	50.0755	-17.2858	-14.9468	-23.5797	-9.5192
		Dif.	44.1879	20.2610	101.4797	40.3882	14.0389
2.265	19.815	Máx.	95.1978	3.1683	87.7468	17.6901	9.7857
		Mín.	51.9469	-5.7008	-14.6457	-23.6676	-0.4254
		Dif.	43.2509	8.8691	102.3925	41.3577	10.2111
2.265	20.065	Máx.	91.1391	21.9604	86.6286	15.2266	17.3391
		Mín.	45.7075	-9.2145	-13.3621	-23.5317	5.2429
		Dif.	45.4316	31.1749	99.9906	38.7583	12.0962



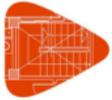
## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.265	20.315	Máx.	81.9960	40.9700	82.8217	9.6093	26.0014
		Mín.	31.4259	-15.5725	-11.0496	-22.9769	10.6040
		Dif.	50.5701	56.5425	93.8714	32.5862	15.3974
2.265	20.565	Máx.	67.2028	60.0988	75.3247	0.6554	34.0804
		Mín.	10.6327	-26.1329	-7.8047	-20.9211	15.1008
		Dif.	56.5701	86.2317	83.1294	21.5766	18.9797
2.265	20.815	Máx.	46.2958	78.7680	61.6294	-7.5044	39.8185
		Mín.	-11.3859	-41.0549	-4.0490	-17.0393	17.7207
		Dif.	57.6817	119.8229	65.6784	9.5350	22.0978
2.265	21.065	Máx.	20.6082	94.0332	36.4674	-0.9540	40.8634
		Mín.	-21.1540	-58.5661	-0.8739	-30.6912	16.7470
		Dif.	41.7622	152.5993	37.3413	29.7372	24.1164
2.265	21.151	Máx.	20.6082	100.2019	36.4674	12.0946	67.8865
		Mín.	-21.1540	-67.5354	-0.8739	-49.5899	23.8310
		Dif.	41.7622	167.7372	37.3413	61.6845	44.0555
2.265	22.851	Máx.	45.6375	19.6041	47.4370	-25.5953	4.0881
		Mín.	-15.7706	-114.3074	-6.5976	-73.2968	-62.2722
		Dif.	61.4081	133.9116	54.0346	47.7015	66.3603
2.265	23.065	Máx.	45.6375	12.8455	47.4370	-23.6164	3.2728
		Mín.	-15.7706	-106.5185	-6.5976	-46.4950	-41.9725
		Dif.	61.4081	119.3640	54.0346	22.8786	45.2453
2.265	23.315	Máx.	70.2669	1.8479	69.2678	-12.1606	6.7222
		Mín.	2.0130	-88.8101	-9.6892	-40.0244	-39.4239
		Dif.	68.2540	90.6580	78.9570	27.8638	46.1461
2.265	23.565	Máx.	86.4067	-4.8425	82.6029	0.6177	11.2642
		Mín.	25.6571	-69.1650	-10.9718	-35.9225	-32.8632
		Dif.	60.7496	64.3226	93.5747	36.5402	44.1274
2.265	23.815	Máx.	96.3850	-8.5962	91.0803	10.5090	16.4384
		Mín.	46.4177	-50.3593	-10.8452	-32.9206	-24.5415
		Dif.	49.9674	41.7631	101.9255	43.4296	40.9799
2.265	24.065	Máx.	101.2087	-10.4530	96.5722	17.1579	21.9555
		Mín.	61.3090	-33.1357	-9.8098	-30.2884	-15.5046
		Dif.	39.8997	22.6827	106.3820	47.4463	37.4601
2.265	24.315	Máx.	103.0792	-8.9204	99.8358	20.9815	27.6442
		Mín.	68.0198	-20.5454	-8.1510	-28.3057	-6.2172
		Dif.	35.0594	11.6250	107.9868	49.2872	33.8614
2.265	24.565	Máx.	101.2075	0.3262	100.9139	22.2775	33.3861
		Mín.	66.6242	-18.1409	-5.7526	-26.6761	3.1423
		Dif.	34.5833	18.4671	106.6665	48.9536	30.2438
2.265	24.815	Máx.	94.1527	15.2232	99.8597	21.1843	39.2494
		Mín.	61.3711	-20.7812	-2.6099	-24.9848	12.3705
		Dif.	32.7816	36.0044	102.4695	46.1692	26.8790
2.265	25.065	Máx.	81.9236	30.6406	96.7453	17.6795	45.0466
		Mín.	51.7038	-26.4653	1.1390	-22.6632	21.3785
		Dif.	30.2198	57.1059	95.6064	40.3427	23.6681
2.265	25.315	Máx.	63.9854	46.5379	91.2948	11.6244	50.1410
		Mín.	37.6791	-36.2129	5.3104	-18.7318	29.7119
		Dif.	26.3063	82.7509	85.9844	30.3562	20.4292
2.265	25.565	Máx.	42.8432	62.9701	82.4351	3.2205	54.5537
		Mín.	15.7632	-50.4980	9.4675	-11.9891	34.7923
		Dif.	27.0800	113.4681	72.9676	15.2096	19.7614



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.265	25.815	Máx.	19.2915	79.5464	67.7459	4.7763	58.1092
		Mín.	-8.8315	-69.0312	12.1343	-9.1880	36.6234
		Dif.	28.1230	148.5775	55.6116	13.9643	21.4858
2.265	26.065	Máx.	-0.9354	93.8260	42.1852	23.6385	56.4020
		Mín.	-22.2939	-88.9061	10.2066	-24.9840	34.4721
		Dif.	21.3585	182.7321	31.9787	48.6226	21.9299
2.265	26.186	Máx.	-0.9354	99.8687	42.1852	47.4137	85.8750
		Mín.	-22.2939	-98.6111	10.2066	-46.6720	50.4364
		Dif.	21.3585	198.4798	31.9787	94.0857	35.4386
2.265	27.886	Máx.	50.0470	-54.2103	30.4318	-49.9784	61.0989
		Mín.	-13.3685	-101.2837	-5.1447	-126.7769	-26.5894
		Dif.	63.4154	47.0734	35.5765	76.7985	87.6883
2.265	28.065	Máx.	50.0470	-52.8594	30.4318	-29.9426	49.1680
		Mín.	-13.3685	-102.8349	-5.1447	-98.7301	-12.6092
		Dif.	63.4154	49.9755	35.5765	68.7874	61.7772
2.265	28.315	Máx.	55.5573	-45.5994	44.3984	-17.2438	61.8969
		Mín.	-11.6232	-104.6999	-3.7358	-74.6555	-5.1549
		Dif.	67.1806	59.1005	48.1343	57.4118	67.0518
2.265	28.565	Máx.	44.1135	-28.8270	51.0319	-8.6124	71.5941
		Mín.	-8.9328	-107.0457	1.7163	-51.7731	4.4987
		Dif.	53.0463	78.2187	49.3156	43.1607	67.0954
2.265	28.815	Máx.	23.8776	-10.0153	52.3576	-3.8121	77.9727
		Mín.	-11.9519	-116.6855	8.8867	-28.8146	14.4119
		Dif.	35.8295	106.6702	43.4709	25.0024	63.5608
2.265	29.065	Máx.	-0.9730	7.1950	47.9157	4.3001	79.9191
		Mín.	-19.3793	-133.1269	14.6978	-4.0823	22.9666
		Dif.	18.4063	140.3220	33.2180	8.3824	56.9525
2.265	29.315	Máx.	-14.9375	20.5412	34.6180	36.1984	74.5904
		Mín.	-29.8429	-152.9561	14.5259	-3.8827	27.9353
		Dif.	14.9054	173.4973	20.0921	40.0811	46.6550
2.265	29.516	Máx.	-14.9375	25.8391	34.6180	88.2045	100.4346
		Mín.	-29.8429	-163.2338	14.5259	-10.8810	45.2321
		Dif.	14.9054	189.0729	20.0921	99.0855	55.2025
2.265	31.216	Máx.	39.2965	-66.7711	16.9992	-48.3240	129.3050
		Mín.	-10.5501	-250.9986	-5.7262	-214.8834	2.5571
		Dif.	49.8466	184.2275	22.7254	166.5595	126.7479
2.265	31.315	Máx.	39.2965	-62.6453	16.9992	-33.5468	91.2689
		Mín.	-10.5501	-253.5913	-5.7262	-157.7224	6.9989
		Dif.	49.8466	190.9460	22.7254	124.1756	84.2699
2.265	31.565	Máx.	27.9676	-51.9890	27.5273	-19.1570	108.2268
		Mín.	-18.7426	-259.0243	-0.9083	-93.3164	15.0646
		Dif.	46.7103	207.0353	28.4356	74.1594	93.1622
2.265	31.815	Máx.	-2.4487	-39.5048	30.5981	-5.4208	113.6065
		Mín.	-26.5297	-268.5549	8.1214	-30.6793	22.2370
		Dif.	24.0810	229.0500	22.4767	25.2586	91.3694
2.265	32.065	Máx.	-19.9059	-30.1527	24.8736	41.7691	106.0867
		Mín.	-36.2099	-284.5247	11.3534	0.9937	26.0602
		Dif.	16.3040	254.3720	13.5202	40.7754	80.0264
2.265	32.246	Máx.	-19.9059	-26.7543	24.8736	129.0993	146.6767
		Mín.	-36.2099	-293.8042	11.3534	10.9095	42.1204
		Dif.	16.3040	267.0499	13.5202	118.1899	104.5563



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.265	33.946	Máx.	68.5881	-77.3682	11.0153	-50.3777	172.7263
		Mín.	1.4548	-312.9154	-16.5964	-280.1006	15.0578
		Dif.	67.1333	235.5473	27.6117	229.7229	157.6685
2.265	34.065	Máx.	68.5881	-74.7917	11.0153	-31.4376	124.7397
		Mín.	1.4548	-313.4238	-16.5964	-201.9889	14.8053
		Dif.	67.1333	238.6321	27.6117	170.5512	109.9344
2.265	34.315	Máx.	60.7306	-67.7716	19.0070	-13.3953	147.4387
		Mín.	-1.9801	-313.3126	-14.9470	-122.7604	22.4763
		Dif.	62.7107	245.5410	33.9540	109.3651	124.9625
2.265	34.565	Máx.	21.2544	-59.6643	24.3663	2.3399	157.2543
		Mín.	-8.6826	-317.5664	-2.7089	-49.0514	28.8228
		Dif.	29.9370	257.9021	27.0752	51.3913	128.4315
2.265	34.815	Máx.	-12.5616	-53.8770	26.1643	34.5197	155.2395
		Mín.	-29.1942	-333.7136	10.1933	14.6836	32.7282
		Dif.	16.6326	279.8366	15.9710	19.8361	122.5113
2.265	35.065	Máx.	-20.1339	-51.5658	23.2920	114.5182	138.5514
		Mín.	-55.2947	-358.0203	11.7539	31.3063	32.5405
		Dif.	35.1608	306.4545	11.5381	83.2119	106.0109
2.265	35.234	Máx.	-20.1339	-51.3781	23.2920	223.6682	186.7639
		Mín.	-55.2947	-371.0531	11.7539	47.4288	47.4609
		Dif.	35.1608	319.6750	11.5381	176.2394	139.3030
2.265	36.934	Máx.	101.8452	-45.7645	-1.1785	2.9490	173.1061
		Mín.	4.4986	-227.7065	-41.7310	-224.1005	15.3668
		Dif.	97.3466	181.9420	40.5525	227.0494	157.7393
2.265	37.065	Máx.	101.8452	-46.0629	-1.1785	16.5612	122.7023
		Mín.	4.4986	-226.4373	-41.7310	-161.4537	10.7666
		Dif.	97.3466	180.3744	40.5525	178.0150	111.9357
2.265	37.315	Máx.	120.5476	-45.0475	-1.0350	33.8992	140.4842
		Mín.	3.3856	-216.4686	-57.4790	-98.3335	11.4950
		Dif.	117.1619	171.4212	56.4439	132.2327	128.9893
2.265	37.565	Máx.	107.5492	-42.3623	-0.1796	49.5644	147.7367
		Mín.	-0.2064	-197.9382	-57.2864	-44.9499	10.3952
		Dif.	107.7556	155.5760	57.1068	94.5144	137.3415
2.265	37.815	Máx.	84.6033	-40.1423	0.8417	63.6564	148.9339
		Mín.	-5.2562	-180.6519	-49.7771	-1.5291	7.7516
		Dif.	89.8596	140.5096	50.6188	65.1855	141.1823
2.265	38.065	Máx.	61.4088	-39.1742	1.7556	77.4140	146.2940
		Mín.	-12.6600	-169.2908	-39.7848	27.9155	3.6813
		Dif.	74.0688	130.1167	41.5404	49.4985	142.6127
2.265	38.315	Máx.	43.3885	-39.8243	2.4996	97.4457	141.3594
		Mín.	-21.9893	-165.5217	-29.5055	48.4730	-1.8033
		Dif.	65.3777	125.6974	32.0051	48.9727	143.1627
2.265	38.565	Máx.	35.7402	-43.6535	3.1810	124.8907	135.5979
		Mín.	-31.2534	-173.6589	-19.4401	63.3226	-8.8177
		Dif.	66.9936	130.0054	22.6211	61.5681	144.4156
2.265	38.805	Máx.	35.7402	-46.7132	3.1810	177.8901	144.0692
		Mín.	-31.2534	-181.6595	-19.4401	87.8669	-12.7654
		Dif.	66.9936	134.9463	22.6211	90.0231	156.8347
2.515	0.325	Máx.	3.2922	111.4894	9.3907	180.6597	20.9705
		Mín.	-38.5038	36.4682	-5.6877	87.9742	-106.4421
		Dif.	41.7961	75.0212	15.0784	92.6855	127.4127



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.515	0.565	Máx.	3.2922	109.1726	9.3907	144.8862	16.0919
		Mín.	-38.5038	33.9752	-5.6877	71.4052	-100.7170
		Dif.	41.7961	75.1974	15.0784	73.4810	116.8089
2.515	0.815	Máx.	-0.6934	102.2937	11.9976	122.5466	6.1160
		Mín.	-31.2531	29.4153	-8.0700	60.6856	-106.5666
		Dif.	30.5597	72.8785	20.0676	61.8610	112.6827
2.515	1.065	Máx.	1.4226	92.9498	14.6038	102.2596	-2.4265
		Mín.	-24.3529	25.4885	-10.9916	50.2418	-112.3438
		Dif.	25.7755	67.4614	25.5954	52.0178	109.9173
2.515	1.315	Máx.	6.7147	83.7622	17.2889	84.9612	-9.7139
		Mín.	-17.6674	21.9732	-14.0730	40.1125	-117.5066
		Dif.	24.3821	61.7890	31.3618	44.8487	107.7928
2.515	1.565	Máx.	13.5580	75.4284	20.0304	69.5264	-14.9610
		Mín.	-11.1601	18.8402	-17.2131	31.1489	-121.7320
		Dif.	24.7182	56.5882	37.2435	38.3776	106.7710
2.515	1.815	Máx.	21.0720	68.2528	22.7795	57.1428	-18.5084
		Mín.	-4.8351	16.0591	-20.3666	21.8331	-124.9252
		Dif.	25.9071	52.1937	43.1461	35.3097	106.4168
2.515	2.065	Máx.	28.7726	62.0135	25.4842	48.1036	-21.2088
		Mín.	1.2919	13.6408	-23.5098	11.5666	-127.0881
		Dif.	27.4807	48.3727	48.9940	36.5370	105.8793
2.515	2.315	Máx.	36.3895	56.7041	28.0960	40.0035	-23.1035
		Mín.	7.1925	11.6218	-26.6402	2.4316	-128.2711
		Dif.	29.1970	45.0823	54.7361	37.5719	105.1676
2.515	2.565	Máx.	43.7670	52.3342	30.5689	32.9721	-24.2214
		Mín.	12.8237	10.0514	-29.7746	-6.8242	-128.5455
		Dif.	30.9432	42.2828	60.3434	39.7963	104.3240
2.515	2.815	Máx.	50.8608	48.9434	32.8589	26.7169	-24.5813
		Mín.	18.1252	8.9856	-32.9493	-15.7180	-127.9877
		Dif.	32.7357	39.9578	65.8082	42.4349	103.4064
2.515	3.065	Máx.	57.8981	46.6183	34.9248	21.0290	-24.1931
		Mín.	23.0150	8.4848	-36.2190	-24.3920	-126.6694
		Dif.	34.8830	38.1335	71.1438	45.4210	102.4763
2.515	3.315	Máx.	64.7016	45.5133	36.7309	15.7636	-23.0596
		Mín.	27.3825	8.6115	-39.6539	-32.4781	-124.6507
		Dif.	37.3191	36.9017	76.3847	48.2417	101.5911
2.515	3.565	Máx.	71.5392	46.2046	38.2514	11.5378	-21.1789
		Mín.	31.0762	9.0990	-43.3333	-40.2565	-121.9766
		Dif.	40.4630	37.1055	81.5846	51.7943	100.7977
2.515	3.815	Máx.	77.9584	49.0471	39.4766	8.0356	-18.5491
		Mín.	33.8592	10.0372	-47.3329	-48.1074	-118.6776
		Dif.	44.0992	39.0100	86.8095	56.1430	100.1286
2.515	4.065	Máx.	83.7740	54.6407	40.4192	4.1998	-15.1757
		Mín.	33.6474	11.7408	-51.8019	-56.5860	-114.7797
		Dif.	50.1267	42.8999	92.2211	60.7858	99.6040
2.515	4.315	Máx.	88.6259	63.4067	41.1167	-0.2442	-11.0816
		Mín.	30.5252	14.1574	-56.7559	-66.5432	-110.3316
		Dif.	58.1007	49.2493	97.8726	66.2990	99.2500
2.515	4.565	Máx.	91.8794	76.3141	41.6151	-5.5902	-6.3128
		Mín.	24.6796	17.0925	-61.8814	-79.5991	-105.4633
		Dif.	67.1998	59.2216	103.4965	74.0089	99.1505



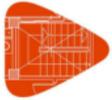
## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.515	4.815	Máx.	92.4808	94.4744	41.8895	-12.0968	-0.9221
		Mín.	15.8500	20.1230	-66.5957	-98.2413	-100.4801
		Dif.	76.6308	74.3514	108.4852	86.1445	99.5580
2.515	5.065	Máx.	89.5222	118.6196	41.5661	-19.7571	5.1084
		Mín.	4.6003	22.5288	-69.4446	-125.7365	-95.9281
		Dif.	84.9219	96.0908	111.0107	105.9794	101.0365
2.515	5.315	Máx.	78.4236	146.9619	38.9686	-28.1352	11.9832
		Mín.	-6.3917	23.3366	-66.5929	-167.2995	-92.2423
		Dif.	84.8153	123.6253	105.5614	139.1643	104.2255
2.515	5.565	Máx.	46.4833	169.4444	27.5887	-36.5470	19.3897
		Mín.	-9.8788	21.5742	-46.5093	-225.2139	-86.5265
		Dif.	56.3621	147.8702	74.0980	188.6668	105.9162
2.515	5.590	Máx.	46.4833	177.1937	27.5887	-41.0797	45.2416
		Mín.	-9.8788	19.9408	-46.5093	-262.4465	-139.3413
		Dif.	56.3621	157.2528	74.0980	221.3668	184.5829
2.515	7.290	Máx.	19.1694	349.1168	47.5925	184.2481	-72.5221
		Mín.	-18.1584	40.6937	20.6977	17.0536	-134.4624
		Dif.	37.3278	308.4231	26.8948	167.1945	61.9403
2.515	7.315	Máx.	19.1694	314.9984	47.5925	125.9621	-38.9920
		Mín.	-18.1584	35.5706	20.6977	8.7631	-79.2408
		Dif.	37.3278	279.4278	26.8948	117.1990	40.2488
2.515	7.565	Máx.	30.7183	247.5923	63.7259	49.7616	-31.6147
		Mín.	-23.2539	25.8512	18.2225	-1.9171	-79.6006
		Dif.	53.9722	221.7411	45.5033	51.6787	47.9860
2.515	7.815	Máx.	42.1480	191.6081	66.0807	1.9433	-21.2615
		Mín.	-19.0608	19.0079	4.8808	-10.5976	-76.1397
		Dif.	61.2089	172.6002	61.2000	12.5409	54.8782
2.515	8.065	Máx.	52.4371	156.3192	64.5898	-11.5096	-11.0344
		Mín.	-15.7400	16.4295	-9.0777	-38.6580	-72.1245
		Dif.	68.1771	139.8897	73.6675	27.1483	61.0901
2.515	8.315	Máx.	59.8467	139.0847	62.0863	-16.2546	-0.5976
		Mín.	-16.6042	16.6283	-20.9363	-66.8767	-68.1464
		Dif.	76.4508	122.4564	83.0225	50.6220	67.5488
2.515	8.565	Máx.	61.2962	134.2568	57.5915	-20.6897	10.3565
		Mín.	-20.4588	17.6600	-28.2633	-98.0887	-64.0269
		Dif.	81.7550	116.5968	85.8547	77.3990	74.3833
2.515	8.815	Máx.	50.3741	134.2725	45.2662	-25.1108	21.5453
		Mín.	-20.6656	17.8460	-26.3487	-136.1268	-58.3776
		Dif.	71.0396	116.4265	71.6150	111.0160	79.9228
2.515	8.960	Máx.	50.3741	134.0993	45.2662	-29.6301	48.9704
		Mín.	-20.6656	17.5303	-26.3487	-176.4074	-80.9455
		Dif.	71.0396	116.5690	71.6150	146.7773	129.9159
2.515	10.660	Máx.	23.4010	210.6598	61.9446	107.3461	-51.3906
		Mín.	-24.4179	2.0611	11.5943	-3.3390	-101.5294
		Dif.	47.8189	208.5988	50.3503	110.6851	50.1389
2.515	10.815	Máx.	23.4010	184.9940	61.9446	47.3728	-32.4626
		Mín.	-24.4179	-0.8710	11.5943	-5.6192	-61.4857
		Dif.	47.8189	185.8649	50.3503	52.9920	29.0231
2.515	11.065	Máx.	40.9114	137.2352	76.1596	8.5372	-29.1843
		Mín.	-17.3741	-5.2667	5.8099	-6.9665	-54.1423
		Dif.	58.2854	142.5019	70.3496	15.5037	24.9580



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.515	11.315	Máx.	54.6740	99.3989	78.8977	-4.8800	-21.5021
		Mín.	-4.7886	-6.3529	-3.2610	-17.9054	-47.8604
		Dif.	59.4627	105.7518	82.1587	13.0254	26.3584
2.515	11.565	Máx.	65.2668	73.1738	78.8295	-4.3420	-10.3249
		Mín.	4.2364	-4.3165	-11.9405	-30.5363	-43.4835
		Dif.	61.0304	77.4902	90.7700	26.1943	33.1586
2.515	11.815	Máx.	72.1755	55.7545	78.4954	-4.2881	1.2283
		Mín.	6.4363	-0.7255	-19.2539	-40.0549	-38.7190
		Dif.	65.7391	56.4799	97.7493	35.7668	39.9473
2.515	12.065	Máx.	74.9947	43.7943	78.3803	-5.3882	12.8281
		Mín.	1.1442	2.2879	-24.3130	-48.3810	-33.8521
		Dif.	73.8505	41.5064	102.6933	42.9928	46.6801
2.515	12.315	Máx.	72.6502	34.3982	77.7029	-7.0837	24.5667
		Mín.	-10.0957	2.5348	-26.5263	-57.1673	-29.8076
		Dif.	82.7459	31.8634	104.2292	50.0836	54.3743
2.515	12.565	Máx.	62.8569	24.9075	73.2292	-7.4402	36.7841
		Mín.	-22.0848	-3.7668	-24.9337	-67.3236	-26.6075
		Dif.	84.9418	28.6743	98.1628	59.8833	63.3916
2.515	12.815	Máx.	38.2493	12.7601	52.3200	-4.0776	48.2250
		Mín.	-21.6528	-15.5970	-16.1395	-77.4964	-23.7392
		Dif.	59.9021	28.3571	68.4595	73.4187	71.9642
2.515	12.845	Máx.	38.2493	5.5579	52.3200	-0.3988	98.8071
		Mín.	-21.6528	-22.7134	-16.1395	-80.8756	-37.7633
		Dif.	59.9021	28.2714	68.4595	80.4768	136.5704
2.515	14.545	Máx.	31.8139	172.7063	54.1113	58.2219	-27.6881
		Mín.	-21.9933	-1.5280	0.0922	-10.2805	-107.5931
		Dif.	53.8072	174.2343	54.0191	68.5024	79.9050
2.515	14.565	Máx.	31.8139	149.9889	54.1113	32.0884	-17.2668
		Mín.	-21.9933	-4.2748	0.0922	-11.6791	-52.5582
		Dif.	53.8072	154.2637	54.0191	43.7675	35.2914
2.515	14.815	Máx.	53.3736	106.1466	76.8924	1.2689	-16.9835
		Mín.	-23.8595	-9.0070	-7.5852	-13.2961	-40.5960
		Dif.	77.2331	115.1536	84.4776	14.5651	23.6125
2.515	15.065	Máx.	65.9251	69.9452	81.6431	-8.4840	-12.5330
		Mín.	-12.5582	-10.8468	-15.4279	-20.7178	-29.8047
		Dif.	78.4833	80.7920	97.0710	12.2338	17.2717
2.515	15.315	Máx.	73.9351	44.4384	81.9387	-6.6665	-7.2721
		Mín.	-2.0501	-8.8693	-21.4705	-27.2177	-20.6076
		Dif.	75.9852	53.3077	103.4092	20.5512	13.3355
2.515	15.565	Máx.	78.2972	26.1653	81.6213	-5.2720	1.9966
		Mín.	2.1708	-4.6148	-25.3368	-31.7683	-16.5286
		Dif.	76.1263	30.7802	106.9581	26.4963	18.5252
2.515	15.815	Máx.	78.8848	11.1601	81.5720	-5.4224	13.9060
		Mín.	-1.4291	-3.5728	-26.9097	-34.7781	-12.7404
		Dif.	80.3139	14.7328	108.4818	29.3557	26.6463
2.515	16.065	Máx.	75.0835	5.7937	81.2289	-6.4919	25.8291
		Mín.	-11.7769	-12.6886	-26.0225	-36.4911	-9.4380
		Dif.	86.8604	18.4823	107.2514	29.9992	35.2670
2.515	16.315	Máx.	65.2002	4.5449	77.3365	-6.8275	37.9773
		Mín.	-24.2672	-32.3515	-21.9224	-36.0566	-7.2097
		Dif.	89.4674	36.8964	99.2588	29.2291	45.1870



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.515	16.565	Máx.	43.7860	0.2298	59.4448	-3.5690	49.3760
		Mín.	-27.0002	-58.4941	-13.4555	-30.9196	-6.0065
		Dif.	70.7862	58.7239	72.9004	27.3506	55.3825
2.515	16.652	Máx.	43.7860	-2.5162	59.4448	3.8603	95.8662
		Mín.	-27.0002	-73.3978	-13.4555	-19.0845	-10.2493
		Dif.	70.7862	70.8815	72.9004	22.9449	106.1156
2.515	18.352	Máx.	48.1327	98.6319	67.2803	25.5189	-6.5697
		Mín.	-26.0923	-25.5735	-14.3195	-21.8568	-89.5496
		Dif.	74.2250	124.2054	81.5998	47.3757	82.9798
2.515	18.565	Máx.	48.1327	82.1377	67.2803	-2.8872	-6.3341
		Mín.	-26.0923	-26.3938	-14.3195	-20.2120	-52.7412
		Dif.	74.2250	108.5315	81.5998	17.3248	46.4072
2.515	18.815	Máx.	68.1830	53.1829	81.7429	-7.9996	-5.4272
		Mín.	-12.7543	-26.3879	-22.2609	-24.0358	-42.9236
		Dif.	80.9373	79.5709	104.0038	16.0362	37.4964
2.515	19.065	Máx.	80.3303	32.0714	85.8478	-3.6355	-3.1882
		Mín.	6.1792	-23.1848	-27.7518	-26.7231	-32.1044
		Dif.	74.1512	55.2562	113.5996	23.0876	28.9162
2.515	19.315	Máx.	87.7844	17.3658	86.9982	1.0135	0.2987
		Mín.	21.9787	-17.2430	-31.0540	-28.7297	-21.1781
		Dif.	65.8058	34.6088	118.0522	29.7431	21.4768
2.515	19.565	Máx.	91.7869	6.5883	87.8498	3.9067	4.3259
		Mín.	31.3850	-9.5301	-32.7929	-29.7519	-10.1862
		Dif.	60.4019	16.1184	120.6428	33.6586	14.5121
2.515	19.815	Máx.	92.4752	1.0638	88.5401	4.5150	8.6589
		Mín.	33.3563	-8.6736	-32.5800	-29.9960	-0.7016
		Dif.	59.1189	9.7374	121.1201	34.5110	9.3605
2.515	20.065	Máx.	89.9589	8.2021	89.3183	2.7811	16.2473
		Mín.	27.7098	-16.7579	-30.5560	-29.5534	4.3278
		Dif.	62.2490	24.9600	119.8743	32.3345	11.9194
2.515	20.315	Máx.	84.1866	13.9876	89.8864	-0.6577	26.7482
		Mín.	14.8494	-29.0401	-26.5380	-28.1268	8.6496
		Dif.	69.3372	43.0277	116.4244	27.4691	18.0986
2.515	20.565	Máx.	74.9804	16.3721	89.3899	-4.8873	37.5845
		Mín.	-3.5536	-47.8457	-20.4653	-24.1910	11.7131
		Dif.	78.5341	64.2178	109.8552	19.3037	25.8714
2.515	20.815	Máx.	61.4247	14.2896	84.9371	-4.2894	48.6234
		Mín.	-22.5808	-75.4983	-12.7390	-15.1774	13.8400
		Dif.	84.0055	89.7880	97.6760	10.8880	34.7834
2.515	21.065	Máx.	39.2693	8.7375	65.2363	11.6514	58.7585
		Mín.	-28.9208	-111.3621	-4.3358	-10.3504	14.4341
		Dif.	68.1901	120.0996	69.5721	22.0017	44.3245
2.515	21.151	Máx.	39.2693	5.4163	65.2363	38.3399	110.7284
		Mín.	-28.9208	-131.0367	-4.3358	-9.4187	21.0034
		Dif.	68.1901	136.4530	69.5721	47.7586	89.7249
2.515	22.851	Máx.	53.0910	52.0936	70.7074	-7.9093	10.7727
		Mín.	-28.3945	-32.6490	-17.3824	-49.6385	-94.7517
		Dif.	81.4856	84.7426	88.0899	41.7292	105.5245
2.515	23.065	Máx.	53.0910	39.8194	70.7074	-13.2691	7.3003
		Mín.	-28.3945	-33.5171	-17.3824	-50.4563	-56.5808
		Dif.	81.4856	73.3364	88.0899	37.1872	63.8811

## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.515	23.315	Máx.	72.7263	19.3837	86.2038	-12.1188	8.9660
		Mín.	-13.1408	-33.7526	-24.2189	-45.5336	-47.3459
		Dif.	85.8671	53.1363	110.4227	33.4147	56.3119
2.515	23.565	Máx.	84.2277	6.0616	90.9452	-6.0523	12.0403
		Mín.	9.1303	-31.0340	-27.5755	-42.1467	-37.2346
		Dif.	75.0974	37.0957	118.5208	36.0944	49.2749
2.515	23.815	Máx.	91.1812	-2.0334	93.0047	0.4530	15.9865
		Mín.	29.2758	-26.1374	-29.0581	-39.6308	-27.1506
		Dif.	61.9055	24.1040	122.0628	40.0838	43.1371
2.515	24.065	Máx.	94.8415	-5.5052	94.0905	5.5644	20.5245
		Mín.	44.0803	-21.8927	-28.7162	-37.5365	-17.0658
		Dif.	50.7612	16.3875	122.8066	43.1009	37.5903
2.515	24.315	Máx.	95.5191	-6.0068	94.8807	8.7801	25.4034
		Mín.	52.7227	-21.3473	-26.9236	-35.7676	-6.9668
		Dif.	42.7964	15.3406	121.8043	44.5477	32.3702
2.515	24.565	Máx.	93.3745	-0.6932	95.3571	9.9516	30.4130
		Mín.	55.1474	-23.6802	-23.6392	-34.0438	3.1358
		Dif.	38.2271	22.9870	118.9963	43.9955	27.2772
2.515	24.815	Máx.	88.3165	6.6993	95.5677	9.1109	35.5439
		Mín.	51.3901	-30.6651	-18.8452	-31.9506	13.2350
		Dif.	36.9264	37.3644	114.4129	41.0615	22.3090
2.515	25.065	Máx.	80.3166	13.1904	95.5417	6.4405	40.6744
		Mín.	41.4195	-41.9352	-12.4474	-28.6962	23.0997
		Dif.	38.8971	55.1256	107.9892	35.1367	17.5748
2.515	25.315	Máx.	69.8034	17.4106	95.1677	2.4056	46.4991
		Mín.	25.1550	-59.4602	-4.3955	-22.8521	29.3044
		Dif.	44.6483	76.8708	99.5632	25.2578	17.1946
2.515	25.565	Máx.	56.7108	18.0164	94.1396	0.4032	55.0944
		Mín.	3.9384	-86.3252	4.6172	-12.3778	33.7931
		Dif.	52.7724	104.3415	89.5224	12.7811	21.3013
2.515	25.815	Máx.	41.1506	13.9805	89.4369	13.6245	64.5038
		Mín.	-17.9695	-124.7858	13.3798	-5.1232	37.6845
		Dif.	59.1201	138.7663	76.0571	18.7477	26.8193
2.515	26.065	Máx.	22.9044	6.2772	70.3955	49.3681	72.4449
		Mín.	-28.8425	-172.5645	17.3760	-3.6857	39.9934
		Dif.	51.7469	178.8417	53.0195	53.0538	32.4516
2.515	26.186	Máx.	22.9044	1.8269	70.3955	99.0050	123.1307
		Mín.	-28.8425	-197.9662	17.3760	-1.3995	63.9909
		Dif.	51.7469	199.7931	53.0195	100.4045	59.1399
2.515	27.886	Máx.	45.4822	-21.9007	53.5407	-38.9531	65.8670
		Mín.	-26.4690	-137.9459	-14.5561	-167.6905	-51.4210
		Dif.	71.9512	116.0452	68.0968	128.7374	117.2881
2.515	28.065	Máx.	45.4822	-22.7568	53.5407	-30.7872	51.4017
		Mín.	-26.4690	-137.7773	-14.5561	-126.7357	-22.3788
		Dif.	71.9512	115.0205	68.0968	95.9484	73.7805
2.515	28.315	Máx.	51.2240	-23.8375	66.7457	-24.4883	59.2048
		Mín.	-27.3719	-137.9069	-11.6146	-92.1549	-9.5911
		Dif.	78.5958	114.0694	78.3603	67.6666	68.7959
2.515	28.565	Máx.	46.1154	-23.4962	71.7285	-18.4566	65.5944
		Mín.	-24.7101	-144.6827	-2.3744	-61.8996	3.0642
		Dif.	70.8256	121.1864	74.1030	43.4430	62.5302



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.515	28.815	Máx.	35.3097	-22.7861	73.7557	-11.5434	71.4417
		Mín.	-25.6720	-166.1978	10.0279	-31.7624	15.3159
		Dif.	60.9816	143.4117	63.7278	20.2190	56.1258
2.515	29.065	Máx.	20.5271	-24.7465	72.3668	12.3060	76.6361
		Mín.	-29.9534	-203.7967	22.3473	-7.8971	27.3630
		Dif.	50.4805	179.0502	50.0195	20.2031	49.2730
2.515	29.315	Máx.	4.1430	-29.7665	61.1017	65.1440	79.1724
		Mín.	-31.0779	-254.0876	27.3416	2.4750	38.4588
		Dif.	35.2209	224.3210	33.7601	62.6691	40.7136
2.515	29.516	Máx.	4.1430	-33.0063	61.1017	156.5486	115.4674
		Mín.	-31.0779	-281.5656	27.3416	14.9207	66.7866
		Dif.	35.2209	248.5594	33.7601	141.6280	48.6808
2.515	31.216	Máx.	23.2217	-67.4388	35.7313	-57.9823	136.5211
		Mín.	-22.6190	-390.2913	-17.9160	-303.7388	-18.2161
		Dif.	45.8407	322.8525	53.6473	245.7565	154.7372
2.515	31.315	Máx.	23.2217	-65.3262	35.7313	-42.4251	94.6107
		Mín.	-22.6190	-382.0132	-17.9160	-211.2894	-0.4566
		Dif.	45.8407	316.6870	53.6473	168.8643	95.0673
2.515	31.565	Máx.	22.1946	-62.6566	50.1335	-26.0176	103.2567
		Mín.	-31.6371	-374.4465	-4.8348	-113.4757	12.1496
		Dif.	53.8317	311.7899	54.9683	87.4582	91.1071
2.515	31.815	Máx.	10.6497	-64.3914	55.7585	-5.6350	108.0625
		Mín.	-34.4898	-392.5787	15.4566	-24.3316	23.7410
		Dif.	45.1395	328.1874	40.3019	18.6966	84.3215
2.515	32.065	Máx.	-3.3485	-71.1003	52.6890	80.7045	109.1096
		Mín.	-31.1899	-439.2492	25.3196	8.9481	33.7884
		Dif.	27.8414	368.1488	27.3694	71.7564	75.3212
2.515	32.246	Máx.	-3.3485	-75.5175	52.6890	224.6006	159.4611
		Mín.	-31.1899	-468.4988	25.3196	33.7321	61.6563
		Dif.	27.8414	392.9812	27.3694	190.8685	97.8048
2.515	33.946	Máx.	39.3257	-87.2420	20.7354	-66.3142	191.5003
		Mín.	-10.0676	-489.4933	-40.3928	-400.5211	3.1622
		Dif.	49.3932	402.2513	61.1282	334.2069	188.3380
2.515	34.065	Máx.	39.3257	-84.2535	20.7354	-43.8735	133.2313
		Mín.	-10.0676	-470.9946	-40.3928	-273.8095	10.7800
		Dif.	49.3932	386.7411	61.1282	229.9360	122.4513
2.515	34.315	Máx.	38.3147	-79.3610	30.5119	-22.0920	142.0133
		Mín.	-13.6780	-441.2069	-30.0914	-154.3500	20.0042
		Dif.	51.9927	361.8460	60.6033	132.2580	122.0091
2.515	34.565	Máx.	23.5504	-78.9261	38.0794	-1.9036	145.9134
		Mín.	-16.4902	-437.6273	-5.3501	-54.0852	27.8316
		Dif.	40.0406	358.7012	43.4295	52.1816	118.0819
2.515	34.815	Máx.	4.4565	-85.5178	44.8946	52.9141	147.7028
		Mín.	-20.2559	-473.2403	18.6018	18.4266	34.5073
		Dif.	24.7124	387.7225	26.2928	34.4875	113.1955
2.515	35.065	Máx.	-9.8480	-98.0313	48.1414	176.5154	144.0266
		Mín.	-23.8551	-540.2956	25.4675	44.2259	39.1857
		Dif.	14.0071	442.2643	22.6739	132.2895	104.8409
2.515	35.234	Máx.	-9.8480	-105.4224	48.1414	351.1167	204.3745
		Mín.	-23.8551	-579.4603	25.4675	77.6060	62.1638
		Dif.	14.0071	474.0379	22.6739	273.5107	142.2107



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.515	36.934	Máx.	62.9030	-65.2293	-2.9284	-7.9802	216.5320
		Mín.	-4.0570	-396.4045	-84.0889	-341.9672	16.7121
		Dif.	66.9600	331.1752	81.1605	333.9869	199.8199
2.515	37.065	Máx.	62.9030	-62.5621	-2.9284	9.7877	144.9732
		Mín.	-4.0570	-370.7489	-84.0889	-229.9487	11.8506
		Dif.	66.9600	308.1868	81.1605	239.7364	133.1226
2.515	37.315	Máx.	71.5855	-56.7682	-2.7811	32.1462	146.4539
		Mín.	-6.5637	-316.0168	-96.6629	-129.5766	11.6481
		Dif.	78.1492	259.2486	93.8818	161.7227	134.8058
2.515	37.565	Máx.	64.0837	-51.5366	-1.8022	52.2681	143.9158
		Mín.	-9.2022	-264.6461	-88.1899	-56.8643	9.9759
		Dif.	73.2859	213.1095	86.3877	109.1324	133.9399
2.515	37.815	Máx.	51.0353	-48.4124	-0.6548	69.4166	140.8198
		Mín.	-12.6526	-227.7207	-73.5645	-3.4432	7.1182
		Dif.	63.6879	179.3083	72.9097	72.8598	133.7015
2.515	38.065	Máx.	37.5244	-47.3416	0.4354	85.7557	136.8703
		Mín.	-19.0582	-204.7125	-57.8447	31.1986	3.0326
		Dif.	56.5826	157.3708	58.2801	54.5572	133.8377
2.515	38.315	Máx.	27.5465	-48.0089	1.3857	109.0119	132.0554
		Mín.	-26.3244	-192.0603	-42.8669	54.3948	-2.3712
		Dif.	53.8709	144.0514	44.2526	54.6171	134.4266
2.515	38.565	Máx.	25.8748	-50.0702	2.0893	137.1630	126.9993
		Mín.	-33.7811	-184.0741	-29.4571	70.5037	-10.1967
		Dif.	59.6559	134.0039	31.5464	66.6593	137.1960
2.515	38.805	Máx.	25.8748	-51.4129	2.0893	186.7919	135.2850
		Mín.	-33.7811	-180.4409	-29.4571	95.4589	-14.1886
		Dif.	59.6559	129.0281	31.5464	91.3330	149.4737
2.765	0.325	Máx.	4.6321	147.7241	8.5045	214.0620	20.4133
		Mín.	-36.9342	51.0506	-6.0203	103.8661	-104.6182
		Dif.	41.5663	96.6736	14.5248	110.1959	125.0314
2.765	0.565	Máx.	4.6321	134.5527	8.5045	163.5662	15.4552
		Mín.	-36.9342	45.6792	-6.0203	81.0947	-99.0035
		Dif.	41.5663	88.8735	14.5248	82.4716	114.4588
2.765	0.815	Máx.	-1.2572	114.7321	10.4604	135.8466	5.7760
		Mín.	-31.5500	37.5906	-10.2281	67.9354	-104.3547
		Dif.	30.2928	77.1415	20.6885	67.9112	110.1307
2.765	1.065	Máx.	-0.2200	102.8760	12.5649	113.2115	-2.7196
		Mín.	-25.5107	32.7608	-14.1131	56.1387	-109.9430
		Dif.	25.2906	70.1152	26.6779	57.0728	107.2234
2.765	1.315	Máx.	4.2302	93.0876	14.7265	94.0928	-10.0036
		Mín.	-19.3626	28.8057	-18.0451	44.7505	-114.9586
		Dif.	23.5928	64.2819	32.7716	49.3423	104.9550
2.765	1.565	Máx.	10.2989	84.4031	16.9128	76.9797	-16.1541
		Mín.	-13.2983	25.3130	-22.0629	34.6226	-119.0843
		Dif.	23.5972	59.0901	38.9757	42.3571	102.9303
2.765	1.815	Máx.	17.0583	76.8240	19.0992	63.0721	-20.4479
		Mín.	-7.4001	22.1911	-26.1395	24.1892	-122.2093
		Dif.	24.4584	54.6330	45.2386	38.8829	101.7615
2.765	2.065	Máx.	24.0076	70.2229	21.2612	52.8384	-23.1078
		Mín.	-1.7132	19.4297	-30.2477	12.6604	-124.3198
		Dif.	25.7208	50.7932	51.5088	40.1780	101.2120



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.765	2.315	Máx.	30.8626	64.5394	23.3762	43.6194	-24.9347
		Mín.	3.7215	17.0430	-34.3753	2.3844	-125.4495
		Dif.	27.1411	47.4964	57.7515	41.2350	100.5149
2.765	2.565	Máx.	37.4468	59.7993	25.4261	35.5063	-25.9612
		Mín.	8.8540	15.0530	-38.5284	-7.6685	-125.6537
		Dif.	28.5928	44.7463	63.9544	43.1747	99.6924
2.765	2.815	Máx.	43.6323	56.0563	27.3997	28.2550	-26.2116
		Mín.	13.6182	13.4819	-42.7313	-17.2190	-124.9940
		Dif.	30.0141	42.5744	70.1310	45.4741	98.7824
2.765	3.065	Máx.	49.5179	53.4069	29.2964	21.6107	-25.7041
		Mín.	17.9262	12.3455	-47.0251	-26.8764	-123.5308
		Dif.	31.5917	41.0614	76.3215	48.4872	97.8267
2.765	3.315	Máx.	54.9805	52.0096	31.1314	15.4224	-24.4539
		Mín.	21.6607	11.6444	-51.4638	-35.8910	-121.3185
		Dif.	33.3198	40.3651	82.5952	51.3134	96.8646
2.765	3.565	Máx.	60.2395	52.1403	32.9425	9.5164	-22.4779
		Mín.	24.6666	11.3195	-56.1087	-44.5639	-118.4078
		Dif.	35.5729	40.8208	89.0512	54.0804	95.9300
2.765	3.815	Máx.	64.6926	54.6892	34.8012	4.2460	-19.8006
		Mín.	26.7394	10.7652	-61.1321	-53.2891	-114.8547
		Dif.	37.9533	43.9241	95.9333	57.5351	95.0540
2.765	4.065	Máx.	67.9194	59.6331	36.8243	-0.3927	-16.4627
		Mín.	26.9339	10.3925	-66.5566	-62.6160	-110.7456
		Dif.	40.9855	49.2406	103.3808	62.2233	94.2830
2.765	4.315	Máx.	69.2965	68.0521	39.1890	-5.4624	-12.5258
		Mín.	23.7249	9.8803	-72.3359	-73.3508	-106.2529
		Dif.	45.5716	58.1718	111.5249	67.8885	93.7271
2.765	4.565	Máx.	67.7821	80.9667	42.1483	-11.1084	-8.0638
		Mín.	18.3289	8.6432	-78.4402	-86.8126	-101.7523
		Dif.	49.4532	72.3236	120.5886	75.7042	93.6885
2.765	4.815	Máx.	61.7168	100.7777	46.0477	-17.3770	-3.0921
		Mín.	10.8843	5.6373	-84.8353	-105.8808	-98.0852
		Dif.	50.8325	95.1403	130.8829	88.5039	94.9931
2.765	5.065	Máx.	48.6224	132.6944	51.3620	-24.0486	2.7179
		Mín.	2.5821	-1.0886	-91.6609	-134.5707	-97.2331
		Dif.	46.0403	133.7830	143.0229	110.5221	99.9510
2.765	5.315	Máx.	21.1633	189.3150	58.8413	-30.2543	11.1636
		Mín.	-2.1955	-15.9233	-99.7922	-185.0695	-104.6278
		Dif.	23.3587	205.2383	158.6335	154.8153	115.7914
2.765	5.565	Máx.	15.0326	299.6792	70.1187	-34.7369	30.4113
		Mín.	-47.8114	-52.3232	-112.2520	-296.0809	-138.2944
		Dif.	62.8440	352.0024	182.3708	261.3440	168.7057
2.765	5.590	Máx.	15.0326	373.3132	70.1187	-29.8619	95.8894
		Mín.	-47.8114	-78.5024	-112.2520	-395.6300	-222.2271
		Dif.	62.8440	451.8155	182.3708	365.7681	318.1165
2.765	7.290	Máx.	181.9080	657.5363	116.6512	299.1421	-109.3537
		Mín.	35.5286	207.3900	48.9087	60.4967	-211.9552
		Dif.	146.3795	450.1463	67.7425	238.6454	102.6015
2.765	7.315	Máx.	181.9080	516.6987	116.6512	176.2628	-57.7503
		Mín.	35.5286	153.7074	48.9087	24.8537	-108.3584
		Dif.	146.3795	362.9912	67.7425	151.4090	50.6081



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.765	7.565	Máx.	114.4395	313.4368	97.2379	57.6323	-34.3445
		Mín.	0.0673	76.4443	19.5221	-3.8274	-74.8899
		Dif.	114.3722	236.9925	77.7158	61.4597	40.5455
2.765	7.815	Máx.	84.4634	220.0968	87.3947	0.1341	-20.5768
		Mín.	-9.3679	40.5031	-2.7263	-15.6107	-65.0279
		Dif.	93.8313	179.5937	90.1210	15.7448	44.4511
2.765	8.065	Máx.	69.9412	174.0275	82.3487	-19.8280	-10.5221
		Mín.	-12.3455	19.9348	-20.3208	-41.4317	-61.2780
		Dif.	82.2867	154.0927	102.6695	21.6037	50.7558
2.765	8.315	Máx.	59.5851	154.6687	81.3776	-24.8852	-0.7606
		Mín.	-14.5745	3.7958	-35.0908	-71.5587	-60.4244
		Dif.	74.1597	150.8730	116.4684	46.6735	59.6639
2.765	8.565	Máx.	46.2527	157.9762	84.0705	-27.5265	11.2401
		Mín.	-14.9600	-15.7572	-47.1740	-107.5355	-62.9874
		Dif.	61.2127	173.7334	131.2445	80.0090	74.2275
2.765	8.815	Máx.	22.0353	187.3265	90.3167	-27.2744	32.4250
		Mín.	-4.2870	-51.1752	-56.5869	-164.9364	-74.1818
		Dif.	26.3222	238.5017	146.9036	137.6620	106.6067
2.765	8.960	Máx.	22.0353	209.6784	90.3167	-11.0754	92.4095
		Mín.	-4.2870	-74.9717	-56.5869	-236.1443	-106.7336
		Dif.	26.3222	284.6500	146.9036	225.0690	199.1431
2.765	10.660	Máx.	109.6182	362.6148	118.3362	167.9226	-66.4566
		Mín.	11.1279	140.4228	18.9016	40.0775	-150.5389
		Dif.	98.4902	222.1920	99.4346	127.8451	84.0823
2.765	10.815	Máx.	109.6182	288.7167	118.3362	63.1422	-36.9455
		Mín.	11.1279	102.7619	18.9016	1.3831	-75.1453
		Dif.	98.4902	185.9548	99.4346	61.7591	38.1998
2.765	11.065	Máx.	88.3689	177.8226	105.6018	9.7756	-26.1954
		Mín.	-2.8990	47.6745	0.6340	-12.0137	-50.6504
		Dif.	91.2679	130.1481	104.9678	21.7894	24.4550
2.765	11.315	Máx.	81.1613	119.4901	96.6944	-11.5330	-19.4845
		Mín.	-0.8882	21.1919	-13.3736	-21.3119	-39.8382
		Dif.	82.0495	98.2982	110.0679	9.7789	20.3536
2.765	11.565	Máx.	79.1898	84.7520	91.6735	-15.9075	-9.9202
		Mín.	3.1172	6.6466	-24.5218	-34.7254	-35.7819
		Dif.	76.0725	78.1054	116.1954	18.8179	25.8617
2.765	11.815	Máx.	78.6035	62.3995	90.2059	-16.2750	0.4632
		Mín.	4.1829	-3.6293	-33.3324	-45.0101	-32.9780
		Dif.	74.4206	66.0288	123.5383	28.7352	33.4411
2.765	12.065	Máx.	77.2126	47.6051	92.9033	-16.4105	10.9151
		Mín.	1.4466	-15.0850	-40.1309	-53.5647	-30.6264
		Dif.	75.7660	62.6901	133.0342	37.1542	41.5414
2.765	12.315	Máx.	73.4992	37.1018	99.4068	-15.4229	22.4525
		Mín.	-2.6517	-33.8885	-44.2444	-62.3302	-29.7942
		Dif.	76.1508	70.9902	143.6512	46.9073	52.2467
2.765	12.565	Máx.	66.5114	28.5118	110.5218	-9.6445	38.8981
		Mín.	-0.3104	-71.4702	-45.5251	-74.5483	-31.9950
		Dif.	66.8218	99.9820	156.0469	64.9038	70.8931
2.765	12.815	Máx.	56.1180	17.5181	129.1463	12.5995	76.0855
		Mín.	30.2733	-158.1783	-43.9934	-98.5706	-42.5742
		Dif.	25.8447	175.6963	173.1397	111.1701	118.6596



## Esfuerzos en nudos de losas y reticulares

Coord. X	Coord. Y		Cort. X	Cort. Y	Mom. X	Mom. Y	Mom. XY
2.765	12.845	Máx.	56.1180	9.9234	129.1463	46.8515	190.6800
		Mín.	30.2733	-218.8164	-43.9934	-113.7578	-68.9298
		Dif.	25.8447	228.7398	173.1397	160.6092	259.6099
2.765	14.545	Máx.	121.7901	339.0864	136.8822	100.1940	-23.3046
		Mín.	32.5628	171.0087	-4.4741	28.8756	-209.3975
		Dif.	89.2273	168.0776	141.3564	71.3184	186.0929
2.765	14.565	Máx.	121.7901	253.4940	136.8822	47.3407	-15.4472
		Mín.	32.5628	126.1830	-4.4741	2.9702	-84.2041
		Dif.	89.2273	127.3110	141.3564	44.3705	68.7569
2.765	14.815	Máx.	98.0929	137.7611	115.9927	1.4079	-11.7181
		Mín.	-2.3598	57.8247	-20.2006	-14.4680	-43.2066
		Dif.	100.4527	79.9363	136.1934	15.8759	31.4885
2.765	15.065	Máx.	89.6982	83.2497	103.9147	-13.9518	-9.5443
		Mín.	-5.8311	25.1142	-30.5542	-23.6336	-25.5684
		Dif.	95.5292	58.1355	134.4688	9.6818	16.0241
2.765	15.315	Máx.	87.0258	51.4337	97.1327	-17.7494	-5.4570
		Mín.	-2.3473	7.2801	-37.5511	-30.3540	-16.7410
		Dif.	89.3732	44.1536	134.6838	12.6046	11.2840
2.765	15.565	Máx.	86.1939	29.5496	95.4075	-17.3511	1.6686
		Mín.	-0.3933	-3.9637	-42.7274	-35.2609	-13.6399
		Dif.	86.5872	33.5134	138.1349	17.9099	15.3085
2.765	15.815	Máx.	85.5464	11.6006	97.3141	-16.8633	12.3333
		Mín.	-2.2852	-15.0324	-45.1679	-38.1654	-12.1351
		Dif.	87.8316	26.6329	142.4820	21.3021	24.4684
2.765	16.065	Máx.	84.3514	-5.7163	102.9905	-15.4923	23.8867
		Mín.	-6.5068	-32.3096	-44.9134	-39.8122	-11.3904
		Dif.	90.8582	26.5933	147.9039	24.3200	35.2770
2.765	16.315	Máx.	82.2914	-25.6766	112.7860	-10.2035	39.4296
		Mín.	-6.2237	-67.8257	-41.5507	-39.7862	-12.3395
		Dif.	88.5151	42.1490	154.3367	29.5827	51.7690
2.765	16.565	Máx.	79.8557	-62.5396	128.1748	8.5825	71.4915
		Mín.	17.9705	-143.4729	-34.2461	-37.2068	-16.7443
		Dif.	61.8851	80.9333	162.4209	45.7893	88.2358
2.765	16.652	Máx.	79.8557	-87.2001	128.1748	48.0046	169.5221
		Mín.	17.9705	-195.8974	-34.2461	-21.8455	-29.9186
		Dif.	61.8851	108.6973	162.4209	69.8500	199.4408
2.765	18.352	Máx.	84.8227	171.3043	118.4625	50.8455	5.9550
		Mín.	0.5750	75.7788	-30.5255	7.3963	-138.5079
		Dif.	84.2477	95.5255	148.9880	43.4492	144.4629
2.765	18.565	Máx.	84.8227	130.1827	118.4625	1.5695	1.0925
		Mín.	0.5750	55.3855	-30.5255	-20.3019	-66.6476
		Dif.	84.2477	74.7972	148.9880	21.8714	67.7401
2.765	18.815	Máx.	87.3052	70.5027	108.0467	-12.0935	-0.4698
		Mín.	-3.8671	25.2309	-39.9182	-26.0976	-43.4594
		Dif.	91.1724	45.2718	147.9649	14.0041	42.9896
2.765	19.065	Máx.	89.7436	40.9429	100.3346	-12.6814	0.0612
		Mín.	5.7273	8.8251	-46.5186	-29.7673	-30.3118
		Dif.	84.0163	32.1178	146.8533	17.0860	30.3731
2.765	19.315	Máx.	91.8157	22.4436	95.5977	-10.4602	1.7547
		Mín.	16.3774	0.2201	-50.8410	-32.4456	-19.6871
		Dif.	75.4383	22.2236	146.4387	21.9854	21.4418