ANEJO Nº 6. ESTRUCTURAS

4. Cálculos

4.3.8. CÁLCULO DE LOS VIADUCTOS SOBRE EL RÍO LLOBREGAT

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
76	76	12987.82	-0.38	-40.75	5.62	-628.44	-0.05
76	77	12987.82	-0.38	-40.75	5.62	-675.24	0.27
77	77	12988.57	-0.34	-40.64	5.46	-675.67	-0.36
77	78	12988.57	-0.34	-40.64	5.46	-722.51	0.00
78	78	12988.97	-0.34	-40.64	5.46	-723.12	0.00
78	79	12988.97	-0.34	-40.64	5.46	-769.80	0.27
79	79	12989.69	-0.30	-40.50	5.74	-770.19	-0.36
79	80	12989.69	-0.30	-40.50	5.74	-816.93	0.02
80	80	12990.09	-0.30	-40.50	5.74	-817.55	0.02
80	81	12990.09	-0.30	-40.50	5.74	-864.02	0.52
81	81	12990.83	-0.27	-40.41	6.05	-864.52	-0.18
81	82	12990.83	-0.27	-40.41	6.05	-910.84	-0.05
82	82	12991.21	-0.27	-40.41	6.05	-911.52	-0.05
82	83	12991.21	-0.27	-40.41	6.05	-957.97	0.39
83	83	12991.95	-0.28	-40.33	6.42	-958.31	-0.32
83	84	12991.95	-0.28	-40.33	6.42	-1004.74	0.02
84	84	12992.34	-0.28	-40.33	6.42	-1005.36	0.02
84	85	12992.34	-0.28	-40.33	6.42	-1051.65	0.32
85	85	12993.08	-0.28	-40.22	6.76	-1051.94	-0.25
85	86	12993.08	-0.28	-40.22	6.76	-1098.49	0.02
86	86	12993.47	-0.28	-40.22	6.76	-1099.10	0.02
86	87	12993.47	-0.28	-40.22	6.76	-1145.14	0.32
87	87	12994.21	-0.26	-40.14	7.10	-1145.57	-0.18
87	88	12994.21	-0.26	-40.14	7.10	-1191.64	0.02
88	88	12994.60	-0.26	-40.14	7.10	-1192.18	0.02
88	89	12994.60	-0.26	-40.14	7.10	-1238.43	0.25
89	89	12995.32	-0.27	-40.04	7.58	-1238.82	-0.18
89	90	12995.32	-0.27	-40.04	7.58	-1284.79	0.02
90	90	12995.72	-0.27	-40.04	7.58	-1285.41	0.02
90	91	12995.72	-0.27	-40.04	7.58	-1331.38	0.39
91	91	12996.43	-0.28	-39.94	8.12	-1331.77	-0.25
91	92	12996.43	-0.28	-39.94	8.12	-1377.88	0.11
92	92	12996.82	-0.28	-39.94	8.12	-1378.42	0.11
92	93	12996.82	-0.28	-39.94	8.12	-1424.21	0.46
93	93	12997.56	-0.27	-39.86	8.56	-1424.85	-0.32
93	94	12997.56	-0.27	-39.86	8.56	-1470.55	0.05
94	94	12997.94	-0.27	-39.86	8.56	-1471.10	0.05
94	95	12997.94	-0.27	-39.86	8.56	-1516.96	0.32

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
95	95	12992.44	-0.29	-39.77	8.88	-1507.78	-0.32
95	96	12992.44	-0.29	-39.77	8.88	-1553.55	0.11
96	96	12991.20	-0.29	-39.77	8.88	-1551.71	0.11
96	97	12991.20	-0.29	-39.77	8.88	-1597.39	0.46
97	97	12991.95	-0.31	-39.68	9.47	-1597.73	-0.18
97	98	12991.95	-0.31	-39.68	9.47	-1643.45	0.14
98	98	12992.34	-0.31	-39.68	9.47	-1644.06	0.14
98	99	12992.34	-0.31	-39.68	9.47	-1689.72	0.50
99	99	12993.10	-0.33	-39.54	10.17	-1690.20	-0.23
99	100	12993.10	-0.33	-39.54	10.17	-1735.58	0.20
100	100	12993.51	-0.33	-39.54	10.17	-1736.12	0.20
100	101	12993.51	-0.33	-39.54	10.17	-1781.67	0.68
101	101	12994.27	-0.34	-39.37	10.90	-1781.89	-0.14
101	102	12994.27	-0.34	-39.37	10.90	-1827.27	0.36
102	102	12994.68	-0.34	-39.37	10.90	-1827.89	0.36
102	103	12994.68	-0.34	-39.37	10.90	-1873.25	0.91
103	103	12995.44	-0.31	-39.10	12.45	-1873.27	0.00
103	104	12995.44	-0.31	-39.10	12.45	-1918.17	0.50
104	104	12995.83	-0.31	-39.10	12.45	-1918.79	0.50
104	105	12995.83	-0.31	-39.10	12.45	-1963.74	0.77
105	105	12996.54	-0.13	-38.66	14.50	-1963.67	0.07
105	106	12996.54	-0.13	-38.66	14.50	-2008.09	0.18
106	106	12996.93	-0.13	-38.66	14.50	-2008.64	0.18
106	107	12996.93	-0.13	-38.66	14.50	-2053.18	0.32
107	107	12989.85	0.57	-453.54	17.96	-2052.43	-1.50
107	108	12989.85	0.57	-453.54	17.96	-2574.34	-1.87
108	108	12990.25	0.57	-453.55	17.96	-2574.88	-1.87
108	109	12990.25	0.57	-453.55	17.96	-3096.70	-2.69
109	109	12997.95	-0.35	-37.68	19.64	-3096.91	0.00
109	110	12997.95	-0.35	-37.68	19.64	-3140.29	0.46
110	110	12998.35	-0.35	-37.68	19.64	-3140.90	0.46
110	111	12998.35	-0.35	-37.68	19.64	-3184.37	0.82
111	111	12997.95	0.03	327.40	15.68	-3186.94	2.23
111	112	12997.95	0.03	327.40	15.68	-2810.33	2.25
112	112	12998.33	0.03	327.40	15.68	-2810.94	2.25
112	113	12998.33	0.03	327.40	15.68	-2434.58	2.14
113	113	12980.66	1.64	740.85	8.67	-2438.67	3.14
113	114	12980.66	1.64	740.85	8.67	-1586.37	1.18

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
114	114	12981.05	1.64	740.86	8.67	-1586.99	1.18
114	115	12981.05	1.64	740.86	8.67	-734.50	-0.61
115	115	12991.78	0.79	323.86	2.46	-728.45	1.21
115	116	12991.78	0.79	323.86	2.46	-355.86	0.16
116	116	12990.55	0.79	323.86	2.46	-354.02	0.16
116	117	12990.55	0.79	323.86	2.46	18.50	-0.77
117	117	12990.34	0.66	322.92	-2.34	15.89	0.66
117	118	12990.34	0.66	322.92	-2.34	387.27	-0.02
118	118	12990.73	0.66	322.92	-2.34	386.58	-0.02
118	119	12990.73	0.66	322.92	-2.34	758.03	-0.82
119	119	12990.44	0.59	322.06	-6.87	755.55	0.41
119	120	12990.44	0.59	322.06	-6.87	1126.05	-0.36
120	120	12990.84	0.59	322.06	-6.87	1125.43	-0.36
120	121	12990.84	0.59	322.06	-6.87	1495.86	-0.82
121	121	12990.56	0.57	321.22	-10.81	1493.51	0.34
121	122	12990.56	0.57	321.22	-10.81	1862.78	-0.30
122	122	12990.95	0.57	321.22	-10.81	1862.23	-0.30
122	123	12990.95	0.57	321.22	-10.81	2231.68	-0.89
123	123	12990.64	0.57	320.39	-15.13	2229.56	0.41
123	124	12990.64	0.57	320.39	-15.13	2597.87	-0.36
124	124	12991.03	0.57	320.39	-15.13	2597.26	-0.36
124	125	12991.03	0.57	320.39	-15.13	2965.70	-0.91
125	125	12990.71	0.56	319.60	-18.73	2963.72	0.43
125	126	12990.71	0.56	319.60	-18.73	3331.14	-0.20
126	126	12991.11	0.56	319.60	-18.73	3330.60	-0.20
126	127	12991.11	0.56	319.60	-18.73	3698.04	-0.89
127	127	12990.79	0.58	318.96	-21.99	3696.20	0.43
127	128	12990.79	0.58	318.96	-21.99	4063.05	-0.30
128	128	12991.18	0.58	318.96	-21.99	4062.44	-0.30
128	129	12991.18	0.58	318.96	-21.99	4429.15	-0.98
129	129	12990.87	0.59	318.64	-24.44	4427.51	0.43
129	130	12990.87	0.59	318.64	-24.44	4793.98	-0.30
130	130	12991.26	0.59	318.64	-24.44	4793.36	-0.30
130	131	12991.26	0.59	318.64	-24.44	5159.87	-0.84
131	131	12990.94	0.58	318.88	-24.97	5159.10	0.25
131	132	12990.94	0.58	318.88	-24.97	5525.73	-0.36
132	132	12991.33	0.58	318.88	-24.97	5525.18	-0.36
132	133	12991.33	0.58	318.88	-24.97	5891.90	-0.93

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
133	133	12990.97	0.61	319.85	-23.65	5892.56	0.27
133	134	12990.97	0.61	319.85	-23.65	6260.57	-0.30
134	134	15121.70	0.61	319.85	-23.65	2983.86	-0.30
134	135	15121.70	0.61	319.85	-23.65	3351.67	-1.02
135	135	15141.84	0.63	319.46	-24.69	3319.51	0.27
135	136	15141.84	0.63	319.46	-24.69	3686.94	-0.39
136	136	15146.11	0.63	319.46	-24.69	3680.38	-0.39
136	137	15146.11	0.63	319.46	-24.69	4047.80	-1.05
137	137	15149.62	0.66	318.41	-27.67	4039.72	0.20
137	138	15149.62	0.66	318.41	-27.67	4406.07	-0.61
138	138	15153.88	0.66	318.41	-27.67	4399.52	-0.61
138	139	15153.88	0.66	318.41	-27.67	4765.51	-1.34
139	139	15157.34	0.66	317.46	-31.11	4757.40	0.14
139	140	15157.34	0.66	317.46	-31.11	5122.64	-0.61
140	140	15161.58	0.66	317.46	-31.11	5116.04	-0.61
140	141	15161.58	0.66	317.46	-31.11	5481.05	-1.43
141	141	15165.00	0.58	316.66	-35.21	5473.13	0.16
141	142	15165.00	0.58	316.66	-35.21	5837.21	-0.59
142	142	15169.23	0.58	316.66	-35.21	5830.63	-0.59
142	143	15169.23	0.58	316.66	-35.21	6194.79	-1.25
143	143	15172.64	0.23	316.05	-39.92	6186.65	0.61
143	144	15172.64	0.23	316.05	-39.92	6550.29	0.18
144	144	15176.86	0.23	316.05	-39.92	6543.80	0.18
144	145	15176.86	0.23	316.05	-39.92	6907.22	-0.02
145	145	15182.31	-1.18	-170.62	-46.20	6898.80	4.62
145	146	15182.31	-1.18	-170.62	-46.20	6702.32	5.96
146	146	15186.51	-1.18	-170.76	-46.20	6695.72	5.96
146	147	15186.51	-1.18	-170.76	-46.20	6499.42	7.24
147	147	15189.30	1.28	314.42	-50.30	6491.80	1.32
147	148	15189.30	1.28	314.42	-50.30	6853.44	-0.25
148	148	15193.48	1.28	314.42	-50.30	6846.64	-0.25
148	149	15193.48	1.28	314.42	-50.30	7208.28	-1.59
149	149	15198.56	0.77	-785.44	-43.40	7205.34	-3.57
149	150	15198.56	0.77	-785.44	-43.40	6302.06	-4.53
150	150	15202.73	0.77	-785.44	-43.40	6295.28	-4.53
150	151	15202.73	0.77	-785.44	-43.40	5392.09	-5.48
151	151	15225.27	-2.74	-294.17	-27.49	5392.54	-6.21
151	152	15225.27	-2.74	-294.17	-27.49	5053.95	-2.98

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
152	152	15229.42	-2.74	-294.04	-27.49	5047.40	-2.98
152	153	15229.42	-2.74	-294.04	-27.49	4709.20	0.07
153	153	15207.88	-0.75	-776.15	-9.58	4723.58	-1.27
153	154	15207.88	-0.75	-776.15	-9.58	3831.11	-0.50
154	154	17312.00	-0.75	-776.15	-9.58	595.42	-0.50
154	155	17312.00	-0.75	-776.15	-9.58	-297.30	0.43
155	155	17312.90	-0.49	-773.29	4.07	-292.11	-0.77
155	156	17312.90	-0.49	-773.29	4.07	-1181.33	-0.32
156	156	17313.42	-0.49	-773.29	4.07	-1182.24	-0.32
156	157	17313.42	-0.49	-773.29	4.07	-2071.50	0.30
157	157	17314.43	-0.45	-771.30	15.41	-2068.04	-0.61
157	158	17314.43	-0.45	-771.30	15.41	-2955.14	-0.30
158	158	17314.97	-0.45	-771.30	15.41	-2955.96	-0.30
158	159	17314.97	-0.45	-771.30	15.41	-3842.99	0.34
159	159	17316.00	-0.42	-769.27	25.76	-3839.67	-0.73
159	160	17316.00	-0.42	-769.27	25.76	-4724.47	0.00
160	160	17316.53	-0.42	-769.27	25.76	-4725.20	0.00
160	161	17316.53	-0.42	-769.27	25.76	-5609.84	0.34
161	161	17317.58	-0.40	-767.21	35.94	-5606.88	-0.68
161	162	17317.58	-0.40	-767.21	35.94	-6489.25	-0.25
162	162	17318.11	-0.40	-767.21	35.94	-6490.07	-0.25
162	163	17318.11	-0.40	-767.21	35.94	-7372.37	0.32
163	163	17319.15	-0.41	-765.18	45.70	-7369.52	-0.71
163	164	17319.15	-0.41	-765.18	45.70	-8249.27	-0.30
164	164	17319.68	-0.41	-765.18	45.70	-8250.09	-0.30
164	165	17319.68	-0.41	-765.18	45.70	-9130.11	0.30
165	165	17320.75	-0.43	-763.20	55.19	-9127.47	-0.80
165	166	17320.75	-0.43	-763.20	55.19	-10005.11	-0.30
166	166	17321.28	-0.43	-763.20	55.19	-10005.93	-0.30
166	167	17321.28	-0.43	-763.20	55.19	-10883.49	0.20
167	167	17322.34	-0.45	-761.22	64.43	-10880.90	-0.96
167	168	17322.34	-0.45	-761.22	64.43	-11756.39	-0.27
168	168	17322.87	-0.45	-761.22	64.43	-11757.21	-0.27
168	169	17322.87	-0.45	-761.22	64.43	-12632.63	0.14
169	169	17323.96	-0.49	-759.30	73.35	-12630.06	-0.77
169	170	17323.96	-0.49	-759.30	73.35	-13503.35	-0.27
170	170	17324.47	-0.49	-759.30	73.35	-13504.17	-0.27
170	171	17324.47	-0.49	-759.30	73.35	-14377.25	0.32

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
171	171	17325.62	-0.47	-757.42	81.96	-14375.09	-0.71
171	172	17325.62	-0.47	-757.42	81.96	-15246.19	-0.30
172	172	17326.13	-0.47	-757.42	81.96	-15247.01	-0.30
172	173	17326.13	-0.47	-757.42	81.96	-16118.01	0.30
173	173	17319.07	-0.28	-755.60	90.19	-16103.15	-1.16
173	174	17319.07	-0.28	-755.60	90.19	-16972.18	-0.84
174	174	17234.46	-0.28	-755.60	90.19	-16842.09	-0.84
174	175	17234.46	-0.28	-755.60	90.19	-17711.08	-0.55
175	175	17235.88	0.14	-753.85	97.95	-17709.10	-2.64
175	176	17235.88	0.14	-753.85	97.95	-18576.12	-2.89
176	176	17236.42	0.14	-753.85	97.95	-18576.94	-2.89
176	177	17236.42	0.14	-753.85	97.95	-19443.90	-2.96
177	177	17238.08	0.48	-753.06	102.60	-19442.81	-5.55
177	178	17238.08	0.48	-753.06	102.60	-20308.99	-6.01
178	178	17238.60	0.48	-753.06	102.60	-20309.72	-6.01
178	179	17238.60	0.48	-753.06	102.60	-21175.75	-6.71
179	179	17240.64	-0.31	-755.18	99.50	-21177.73	-9.22
179	180	17240.64	-0.31	-755.18	99.50	-22046.26	-9.06
180	180	17241.17	-0.31	-755.18	99.50	-22047.08	-9.06
180	181	17241.17	-0.31	-755.18	99.50	-22915.40	-8.76
181	181	17211.55	-3.74	-1312.82	82.66	-22923.73	-14.32
181	182	17211.55	-3.74	-1312.82	82.66	-24434.36	-10.04
182	182	17212.08	-3.74	-1312.84	82.66	-24435.18	-10.04
182	183	17212.08	-3.74	-1312.84	82.66	-25945.83	-5.89
183	183	17242.61	-0.30	-774.48	40.37	-25969.48	-2.09
183	184	17242.61	-0.30	-774.48	40.37	-26859.97	-1.64
184	184	17243.13	-0.30	-774.48	40.37	-26860.88	-1.64
184	185	17243.13	-0.30	-774.48	40.37	-27751.66	-1.27

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
801	801	12781.04	-1.28	723.86	28.99	-20565.24	0.68
801	802	12781.04	-1.28	723.86	28.99	-19732.83	2.12
802	802	12804.56	-1.28	723.86	28.99	-19770.72	2.12
802	803	12804.56	-1.28	723.86	28.99	-18938.22	3.66
803	803	12800.15	-2.55	1124.53	59.08	-18959.73	5.80
803	804	12800.15	-2.55	1124.53	59.08	-17665.92	8.85
804	804	12823.59	-2.55	1125.28	59.08	-17702.93	8.85
804	805	12823.59	-2.55	1125.28	59.08	-16408.01	11.79
805	805	12873.92	-0.22	709.99	70.30	-16439.08	6.78
805	806	12873.92	-0.22	709.99	70.30	-15622.51	6.99
806	806	12897.28	-0.22	709.99	70.30	-15658.42	6.99
806	807	12897.28	-0.22	709.99	70.30	-14841.92	7.35
807	807	12919.26	0.23	708.73	71.10	-14877.63	4.78
807	808	12919.26	0.23	708.73	71.10	-14062.65	4.44
808	808	12942.55	0.23	708.73	71.10	-14098.49	4.44
808	809	12942.55	0.23	708.73	71.10	-13283.31	4.26
809	809	12964.71	-0.12	709.65	66.02	-13321.18	1.78
809	810	12964.71	-0.12	709.65	66.02	-12505.05	1.84
810	810	12987.92	-0.12	709.65	66.02	-12540.69	1.84
810	811	12987.92	-0.12	709.65	66.02	-11724.57	2.05
811	811	13010.15	-0.45	711.27	58.81	-11762.85	0.07
811	812	13010.15	-0.45	711.27	58.81	-10944.99	0.48
812	812	13033.28	-0.45	711.27	58.81	-10980.63	0.48
812	813	13033.28	-0.45	711.27	58.81	-10162.64	0.89
813	813	13055.55	-0.60	713.00	50.87	-10201.02	-0.55
813	814	13055.55	-0.60	713.00	50.87	-9381.08	0.07
814	814	13078.60	-0.60	713.00	50.87	-9416.45	0.07
814	815	13078.60	-0.60	713.00	50.87	-8596.55	0.75
815	815	13100.84	-0.61	714.80	42.49	-8634.99	-0.61
815	816	13100.84	-0.61	714.80	42.49	-7813.03	0.07
816	816	12960.04	-0.61	714.80	42.49	-7596.39	0.07
816	817	12960.04	-0.61	714.80	42.49	-6774.40	0.68
817	817	12982.53	-0.58	716.71	33.84	-6813.36	-0.55
817	818	12982.53	-0.58	716.71	33.84	-5989.14	0.07

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
818	818	13005.73	-0.58	716.71	33.84	-6024.85	0.07
818	819	13005.73	-0.58	716.71	33.84	-5200.57	0.68
819	819	13028.14	-0.51	718.57	25.26	-5239.60	-0.55
819	820	13028.14	-0.51	718.57	25.26	-4413.13	-0.14
820	820	13045.04	-0.51	718.57	25.26	-4439.14	-0.14
820	821	13045.04	-0.51	718.57	25.26	-3612.88	0.55
821	821	13044.60	-0.44	720.47	16.77	-3616.68	-0.61
821	822	13044.60	-0.44	720.47	16.77	-2788.05	-0.34
822	822	13044.90	-0.44	720.47	16.77	-2788.52	-0.34
822	823	13044.90	-0.44	720.47	16.77	-1960.01	0.27
823	823	13044.51	-0.41	722.43	7.99	-1963.94	-1.14
823	824	13044.51	-0.41	722.43	7.99	-1133.10	-0.57
824	824	13044.80	-0.41	722.43	7.99	-1133.58	-0.57
824	825	13044.80	-0.41	722.43	7.99	-302.85	-0.09
825	825	13044.53	-0.71	724.53	-0.91	-306.91	-1.62
825	826	13044.53	-0.71	724.53	-0.91	526.07	-0.73
826	826	13044.83	-0.71	724.53	-0.91	525.60	-0.73
826	827	13044.83	-0.71	724.53	-0.91	1358.94	-0.05
827	827	13061.57	-2.64	309.23	-10.47	1354.55	-2.28
827	828	13061.57	-2.64	309.23	-10.47	1710.34	0.77
828	828	13061.87	-2.64	309.22	-10.47	1709.93	0.77
828	829	13061.87	-2.64	309.22	-10.47	2065.72	3.89
829	829	13045.34	-1.91	729.26	-19.75	2061.19	2.87
829	830	13045.34	-1.91	729.26	-19.75	2899.82	4.94
830	830	13045.63	-1.91	729.26	-19.75	2899.34	4.94
830	831	13045.63	-1.91	729.26	-19.75	3737.94	7.28
831	831	13046.01	2.33	-113.11	-24.90	3734.75	5.76
831	832	13046.01	2.33	-113.11	-24.90	3604.64	3.10
832	832	13046.31	2.33	-113.11	-24.90	3604.16	3.10
832	833	13046.31	2.33	-113.11	-24.90	3474.02	0.27
833	833	13043.46	0.28	304.34	-24.72	3473.23	-2.59
833	834	13043.46	0.28	304.34	-24.72	3823.35	-2.96
834	834	13043.76	0.28	304.34	-24.72	3822.94	-2.96
834	835	13043.76	0.28	304.34	-24.72	4173.11	-3.25
835	835	13041.70	0.20	-113.06	-23.05	4182.63	-1.16
835	836	13041.70	0.20	-113.06	-23.05	4052.51	-1.25
836	836	12985.17	0.20	-113.06	-23.05	4139.50	-1.25
836	837	12985.17	0.20	-113.06	-23.05	4009.36	-1.41

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
837	837	12986.11	0.17	-113.04	-21.78	4009.07	-0.48
837	838	12986.11	0.17	-113.04	-21.78	3879.27	-0.71
838	838	12986.51	0.17	-113.04	-21.78	3878.66	-0.71
838	839	12986.51	0.17	-113.04	-21.78	3748.70	-0.86
839	839	12987.38	0.26	-113.22	-20.28	3748.48	0.07
839	840	12987.38	0.26	-113.22	-20.28	3618.23	-0.14
840	840	12987.77	0.26	-113.22	-20.28	3617.54	-0.14
840	841	12987.77	0.26	-113.22	-20.28	3487.23	-0.46
841	841	12988.64	0.34	-113.52	-18.71	3487.34	0.64
841	842	12988.64	0.34	-113.52	-18.71	3356.63	0.14
842	842	12989.05	0.34	-113.52	-18.71	3356.02	0.14
842	843	12989.05	0.34	-113.52	-18.71	3225.70	-0.32
843	843	12989.89	0.36	-113.83	-17.32	3225.59	0.71
843	844	12989.89	0.36	-113.83	-17.32	3094.56	0.14
844	844	12990.28	0.36	-113.83	-17.32	3093.95	0.14
844	845	12990.28	0.36	-113.83	-17.32	2963.02	-0.25
845	845	12991.13	0.37	-114.10	-15.79	2962.93	0.71
845	846	12991.13	0.37	-114.10	-15.79	2831.90	0.14
846	846	12991.52	0.37	-114.10	-15.79	2831.29	0.14
846	847	12991.52	0.37	-114.10	-15.79	2699.95	-0.32
847	847	12992.36	0.36	-114.39	-14.38	2699.85	0.57
847	848	12992.36	0.36	-114.39	-14.38	2568.31	0.14
848	848	12992.75	0.36	-114.39	-14.38	2567.76	0.14
848	849	12992.75	0.36	-114.39	-14.38	2436.19	-0.25
849	849	12993.58	0.36	-114.68	-13.02	2436.01	0.57
849	850	12993.58	0.36	-114.68	-13.02	2304.23	0.14
850	850	12993.97	0.36	-114.68	-13.02	2303.69	0.14
850	851	12993.97	0.36	-114.68	-13.02	2171.71	-0.39
851	851	12994.81	0.36	-114.98	-11.61	2171.62	0.41
851	852	12994.81	0.36	-114.98	-11.61	2039.50	0.14
852	852	12995.19	0.36	-114.98	-11.61	2038.89	0.14
852	853	12995.19	0.36	-114.98	-11.61	1906.70	-0.39
853	853	12996.01	0.37	-115.26	-10.29	1906.61	0.41
853	854	12996.01	0.37	-115.26	-10.29	1774.06	0.20
854	854	12996.40	0.37	-115.26	-10.29	1773.45	0.20
854	855	12996.40	0.37	-115.26	-10.29	1640.83	-0.39
855	855	12990.99	0.36	-115.55	-8.65	1650.48	0.41
855	856	12990.99	0.36	-115.55	-8.65	1517.57	-0.02

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
856	856	12989.75	0.36	-115.55	-8.65	1519.48	-0.02
856	857	12989.75	0.36	-115.55	-8.65	1386.61	-0.46
857	857	12990.60	0.35	-115.86	-7.19	1386.57	0.48
857	858	12990.60	0.35	-115.86	-7.19	1253.45	-0.02
858	858	12991.00	0.35	-115.86	-7.19	1252.91	-0.02
858	859	12991.00	0.35	-115.86	-7.19	1119.77	-0.46
859	859	12991.85	0.30	-116.18	-5.67	1119.54	0.34
859	860	12991.85	0.30	-116.18	-5.67	986.03	0.07
860	860	12992.24	0.30	-116.18	-5.67	985.42	0.07
860	861	12992.24	0.30	-116.18	-5.67	851.85	-0.23
861	861	12993.09	0.29	-116.51	-4.03	851.91	0.59
861	862	12993.09	0.29	-116.51	-4.03	717.96	0.09
862	862	12993.49	0.29	-116.51	-4.03	717.34	0.09
862	863	12993.49	0.29	-116.51	-4.03	583.36	-0.20
863	863	12994.32	0.28	-116.83	-2.09	583.50	0.68
863	864	12994.32	0.28	-116.83	-2.09	448.92	0.18
864	864	12994.72	0.28	-116.83	-2.09	448.31	0.18
864	865	12994.72	0.28	-116.83	-2.09	314.10	0.07
865	865	12995.46	0.44	-117.15	-0.09	314.37	0.89
865	866	12995.46	0.44	-117.15	-0.09	179.64	0.52
866	866	12995.86	0.44	-117.15	-0.09	179.02	0.52
866	867	12995.86	0.44	-117.15	-0.09	44.22	-0.05
867	867	12985.98	1.33	-533.39	3.16	44.93	1.34
867	868	12985.98	1.33	-533.39	3.16	-568.88	-0.36
868	868	12986.37	1.33	-533.40	3.16	-569.50	-0.36
868	869	12986.37	1.33	-533.40	3.16	-1183.15	-2.05
869	869	12997.32	1.42	-118.95	6.87	-1181.87	-1.14
869	870	12997.32	1.42	-118.95	6.87	-1318.72	-2.73
870	870	12997.71	1.42	-118.95	6.87	-1319.34	-2.73
870	871	12997.71	1.42	-118.95	6.87	-1456.10	-4.39
871	871	12997.90	-1.42	-35.34	8.83	-1455.48	-3.60
871	872	12997.90	-1.42	-35.34	8.83	-1496.13	-1.91
872	872	12998.30	-1.42	-35.34	8.83	-1496.81	-1.91
872	873	12998.30	-1.42	-35.34	8.83	-1537.62	-0.34
873	873	12992.91	-0.28	380.44	8.33	-1538.26	0.48
873	874	12992.91	-0.28	380.44	8.33	-1100.60	0.84
874	874	12993.30	-0.28	380.45	8.33	-1101.22	0.84
874	875	12993.30	-0.28	380.45	8.33	-663.27	1.23

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
875	875	12992.49	-0.23	-34.82	6.55	-655.16	0.05
875	876	12992.49	-0.23	-34.82	6.55	-695.33	0.27
876	876	12991.25	-0.23	-34.82	6.55	-693.42	0.27
876	877	12991.25	-0.23	-34.82	6.55	-733.36	0.71
877	877	12991.30	-0.22	-34.61	5.96	-734.50	-0.11
877	878	12991.30	-0.22	-34.61	5.96	-774.19	0.09
878	878	12991.69	-0.22	-34.61	5.96	-774.88	0.09
878	879	12991.69	-0.22	-34.61	5.96	-814.61	0.41
879	879	12991.76	-0.23	-34.55	5.85	-815.27	-0.16
879	880	12991.76	-0.23	-34.55	5.85	-855.08	0.05
880	880	12992.16	-0.23	-34.55	5.85	-855.69	0.05
880	881	12992.16	-0.23	-34.55	5.85	-895.48	0.39
881	881	12992.21	-0.26	-34.60	6.03	-896.09	-0.27
881	882	12992.21	-0.26	-34.60	6.03	-935.78	0.00
882	882	12992.61	-0.26	-34.60	6.03	-936.33	0.00
882	883	12992.61	-0.26	-34.60	6.03	-976.25	0.20
883	883	12992.67	-0.29	-34.68	6.17	-976.66	-0.36
883	884	12992.67	-0.29	-34.68	6.17	-1016.60	-0.14
884	884	12993.07	-0.29	-34.68	6.17	-1017.21	-0.14
884	885	12993.07	-0.29	-34.68	6.17	-1056.95	0.07
885	885	12993.13	-0.28	-34.78	6.74	-1057.66	-0.43
885	886	12993.13	-0.28	-34.78	6.74	-1097.78	-0.07
886	886	12993.52	-0.28	-34.78	6.74	-1098.39	-0.07
886	887	12993.52	-0.28	-34.78	6.74	-1138.25	0.32
887	887	12993.58	-0.29	-34.86	7.08	-1138.95	-0.43
887	888	12993.58	-0.29	-34.86	7.08	-1178.71	0.02
888	888	12993.97	-0.29	-34.86	7.08	-1179.39	0.02
888	889	12993.97	-0.29	-34.86	7.08	-1219.43	0.46
889	889	12994.01	-0.27	-34.96	7.56	-1220.06	-0.18
889	890	12994.01	-0.27	-34.96	7.56	-1260.33	0.09
890	890	12994.40	-0.27	-34.96	7.56	-1260.94	0.09
890	891	12994.40	-0.27	-34.96	7.56	-1301.02	0.25
891	891	12994.45	-0.27	-35.06	7.92	-1301.66	-0.25
891	892	12994.45	-0.27	-35.06	7.92	-1341.94	0.02
892	892	12994.84	-0.27	-35.06	7.92	-1342.49	0.02
892	893	12994.84	-0.27	-35.06	7.92	-1382.81	0.32
893	893	12994.90	-0.28	-35.15	8.33	-1383.25	-0.18
893	894	12994.90	-0.28	-35.15	8.33	-1423.83	0.18

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
894	894	12995.29	-0.28	-35.15	8.33	-1424.44	0.18
894	895	12995.29	-0.28	-35.15	8.33	-1464.81	0.39
895	895	12989.11	-0.29	-35.24	8.67	-1465.64	-0.25
895	896	12989.11	-0.29	-35.24	8.67	-1496.20	0.11
896	896	12987.88	-0.29	-35.24	8.67	-1494.29	0.11
896	897	12987.88	-0.29	-35.24	8.67	-1534.94	0.48
897	897	12987.92	-0.26	-35.32	9.19	-1535.21	-0.25
897	898	12987.92	-0.26	-35.32	9.19	-1575.88	0.11
898	898	12988.32	-0.26	-35.32	9.19	-1576.56	0.11
898	899	12988.32	-0.26	-35.32	9.19	-1617.14	0.39
899	899	12988.36	-0.20	-35.41	9.60	-1617.50	-0.18
899	900	12988.36	-0.20	-35.41	9.60	-1658.20	0.09
900	900	12988.76	-0.20	-35.41	9.60	-1658.88	0.09
900	901	12988.76	-0.20	-35.41	9.60	-1699.62	0.41
901	901	12988.77	-0.14	-35.52	10.40	-1699.89	-0.30
901	902	12988.77	-0.14	-35.52	10.40	-1741.00	-0.07
902	902	12989.17	-0.14	-35.52	10.40	-1741.61	-0.07
902	903	12989.17	-0.14	-35.52	10.40	-1782.23	0.00
903	903	12989.21	-0.11	-35.60	11.08	-1782.62	-0.75
903	904	12989.21	-0.11	-35.60	11.08	-1823.68	-0.61
904	904	12989.60	-0.11	-35.60	11.08	-1824.22	-0.61
904	905	12989.60	-0.11	-35.60	11.08	-1865.26	-0.39
905	905	12989.66	-0.31	-35.76	12.27	-1865.44	-1.37
905	906	12989.66	-0.31	-35.76	12.27	-1906.50	-0.84
906	906	12990.05	-0.31	-35.76	12.27	-1907.11	-0.84
906	907	12990.05	-0.31	-35.76	12.27	-1948.10	-0.48
907	907	12982.28	-0.91	-451.96	15.20	-1947.19	-2.44
907	908	12982.28	-0.91	-451.96	15.20	-2467.37	-1.16
908	908	12982.67	-0.91	-451.98	15.20	-2467.99	-1.16
908	909	12982.67	-0.91	-451.98	15.20	-2988.01	-0.05
909	909	12991.49	-2.42	-37.68	17.82	-2986.66	0.07
909	910	12991.49	-2.42	-37.68	17.82	-3030.11	2.57
910	910	12991.89	-2.42	-37.68	17.82	-3030.72	2.57
910	911	12991.89	-2.42	-37.68	17.82	-3073.99	5.60
911	911	12993.07	1.53	306.14	17.14	-3074.40	6.01
911	912	12993.07	1.53	306.14	17.14	-2722.41	4.35
912	912	12993.46	1.53	306.14	17.14	-2723.09	4.35
912	913	12993.46	1.53	306.14	17.14	-2370.99	2.73

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
913	913	12978.23	2.44	722.69	11.45	-2373.47	6.01
913	914	12978.23	2.44	722.69	11.45	-1542.15	3.00
914	914	12978.62	2.44	722.69	11.45	-1542.76	3.00
914	915	12978.62	2.44	722.69	11.45	-711.15	0.30
915	915	12989.75	0.66	308.73	4.62	-704.57	-0.34
915	916	12989.75	0.66	308.73	4.62	-349.69	-1.00
916	916	12988.50	0.66	308.73	4.62	-347.78	-1.00
916	917	12988.50	0.66	308.73	4.62	7.21	-1.78
917	917	12989.54	0.29	309.97	-1.14	4.80	-0.71
917	918	12989.54	0.29	309.97	-1.14	361.21	-1.14
918	918	12989.94	0.29	309.97	-1.14	360.59	-1.14
918	919	12989.94	0.29	309.97	-1.14	717.02	-1.48
919	919	12991.03	0.38	311.04	-5.99	714.86	0.00
919	920	12991.03	0.38	311.04	-5.99	1072.47	-0.61
920	920	12991.42	0.38	311.04	-5.99	1071.86	-0.61
920	921	12991.42	0.38	311.04	-5.99	1429.58	-1.00
921	921	12992.50	0.52	312.00	-10.10	1427.76	0.50
921	922	12992.50	0.52	312.00	-10.10	1786.44	-0.09
922	922	12992.89	0.52	312.00	-10.10	1785.83	-0.09
922	923	12992.89	0.52	312.00	-10.10	2144.63	-0.71
923	923	12994.00	0.58	312.85	-13.77	2142.85	0.71
923	924	12994.00	0.58	312.85	-13.77	2502.51	0.02
924	924	12994.39	0.58	312.85	-13.77	2501.90	0.02
924	925	12994.39	0.58	312.85	-13.77	2861.63	-0.61
925	925	12995.47	0.61	313.67	-17.37	2859.78	0.64
925	926	12995.47	0.61	313.67	-17.37	3220.65	-0.07
926	926	12995.87	0.61	313.67	-17.37	3220.03	-0.07
926	927	12995.87	0.61	313.67	-17.37	3580.76	-0.71
927	927	12996.99	0.60	314.48	-20.57	3578.85	0.68
927	928	12996.99	0.60	314.48	-20.57	3940.61	-0.05
928	928	12997.38	0.60	314.48	-20.57	3939.99	-0.05
928	929	12997.38	0.60	314.48	-20.57	4301.54	-0.73
929	929	12998.47	0.60	315.39	-23.49	4299.63	0.59
929	930	12998.47	0.60	315.39	-23.49	4662.41	-0.20
930	930	12998.86	0.60	315.39	-23.49	4661.79	-0.20
930	931	12998.86	0.60	315.39	-23.49	5024.44	-0.96
931	931	12999.95	0.60	316.41	-25.90	5022.48	0.50
931	932	12999.95	0.60	316.41	-25.90	5386.46	-0.18

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
932	932	13000.34	0.60	316.41	-25.90	5385.85	-0.18
932	933	13000.34	0.60	316.41	-25.90	5749.65	-0.96
933	933	13001.45	0.58	316.81	-26.72	5748.90	0.41
933	934	13001.45	0.58	316.81	-26.72	6113.27	-0.43
934	934	15132.16	0.58	316.81	-26.72	2836.66	-0.43
934	935	15132.16	0.58	316.81	-26.72	3200.96	-1.07
935	935	15153.74	0.56	315.86	-25.19	3170.26	0.23
935	936	15153.74	0.56	315.86	-25.19	3533.40	-0.32
936	936	15158.01	0.56	315.86	-25.19	3526.85	-0.32
936	937	15158.01	0.56	315.86	-25.19	3890.10	-1.00
937	937	15163.04	0.43	315.60	-25.42	3883.35	0.32
937	938	15163.04	0.43	315.60	-25.42	4246.37	-0.27
938	938	15167.29	0.43	315.60	-25.42	4239.91	-0.27
938	939	15167.29	0.43	315.60	-25.42	4602.62	-0.64
939	939	15172.34	0.29	315.96	-27.77	4595.18	0.61
939	940	15172.34	0.29	315.96	-27.77	4958.28	0.36
940	940	15176.58	0.29	315.96	-27.77	4951.68	0.36
940	941	15176.58	0.29	315.96	-27.77	5315.30	0.05
941	941	15181.63	0.22	316.71	-31.27	5306.97	1.34
941	942	15181.63	0.22	316.71	-31.27	5671.25	1.23
942	942	15185.86	0.22	316.71	-31.27	5664.74	1.23
942	943	15185.86	0.22	316.71	-31.27	6028.95	0.98
943	943	15190.91	0.61	317.85	-35.91	6020.23	3.05
943	944	15190.91	0.61	317.85	-35.91	6385.77	2.07
944	944	15195.13	0.61	317.85	-35.91	6379.28	2.07
944	945	15195.13	0.61	317.85	-35.91	6744.68	1.50
945	945	15202.96	1.67	-166.39	-42.72	6734.84	5.99
945	946	15202.96	1.67	-166.39	-42.72	6543.46	4.21
946	946	15207.16	1.67	-166.52	-42.72	6536.86	4.21
946	947	15207.16	1.67	-166.52	-42.72	6345.25	2.16
947	947	15208.04	3.74	321.73	-47.16	6335.51	1.21
947	948	15208.04	3.74	321.73	-47.16	6705.37	-3.10
948	948	15212.22	3.74	321.73	-47.16	6698.72	-3.10
948	949	15212.22	3.74	321.73	-47.16	7068.74	-7.42
949	949	15215.48	-1.31	-741.64	-43.58	7062.03	-8.56
949	950	15215.48	-1.31	-741.64	-43.58	6209.18	-7.24
950	950	15219.66	-1.31	-741.64	-43.58	6202.40	-7.24
950	951	15219.66	-1.31	-741.64	-43.58	5349.57	-5.69

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SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
951	951	15238.78	-4.69	-256.51	-30.72	5346.38	-12.95
951	952	15238.78	-4.69	-256.51	-30.72	5051.29	-7.60
952	952	15242.93	-4.69	-256.37	-30.72	5044.67	-7.60
952	953	15242.93	-4.69	-256.37	-30.72	4749.71	-2.30
953	953	15222.69	-0.58	-746.30	-16.00	4761.23	1.41
953	954	15222.69	-0.58	-746.30	-16.00	3903.12	2.12
954	954	17326.81	-0.58	-746.30	-16.00	667.43	2.12
954	955	17326.81	-0.58	-746.30	-16.00	-190.90	2.66
955	955	17326.94	0.22	-749.99	-0.16	-185.53	2.32
955	956	17326.94	0.22	-749.99	-0.16	-1048.03	2.09
956	956	17327.47	0.22	-749.99	-0.16	-1048.85	2.09
956	957	17327.47	0.22	-749.99	-0.16	-1911.28	1.87
957	957	17327.51	0.02	-753.14	13.20	-1907.16	0.73
957	958	17327.51	0.02	-753.14	13.20	-2773.37	0.66
958	958	17328.05	0.02	-753.14	13.20	-2774.19	0.66
958	959	17328.05	0.02	-753.14	13.20	-3640.07	0.52
959	959	17328.07	-0.26	-755.75	24.81	-3636.91	-0.57
959	960	17328.07	-0.26	-755.75	24.81	-4506.12	-0.18
960	960	17328.59	-0.26	-755.75	24.81	-4506.94	-0.18
960	961	17328.59	-0.26	-755.75	24.81	-5376.18	0.09
961	961	17328.60	-0.44	-758.00	35.05	-5373.40	-0.93
961	962	17328.60	-0.44	-758.00	35.05	-6245.14	-0.43
962	962	17329.13	-0.44	-758.00	35.05	-6245.96	-0.43
962	963	17329.13	-0.44	-758.00	35.05	-7117.47	-0.02
963	963	17329.11	-0.47	-760.10	44.74	-7114.92	-1.02
963	964	17329.11	-0.47	-760.10	44.74	-7989.09	-0.43
964	964	17329.64	-0.47	-760.10	44.74	-7989.91	-0.43
964	965	17329.64	-0.47	-760.10	44.74	-8864.04	0.07
965	965	17329.62	-0.48	-762.13	53.87	-8861.35	-0.82
965	966	17329.62	-0.48	-762.13	53.87	-9737.96	-0.32
966	966	17330.14	-0.48	-762.13	53.87	-9738.78	-0.32
966	967	17330.14	-0.48	-762.13	53.87	-10615.23	0.36
967	967	17330.12	-0.46	-764.13	62.84	-10612.57	-0.80
967	968	17330.12	-0.46	-764.13	62.84	-11491.38	-0.23
968	968	17330.64	-0.46	-764.13	62.84	-11492.20	-0.23
968	969	17330.64	-0.46	-764.13	62.84	-12370.88	0.39
969	969	17330.58	-0.40	-766.09	71.65	-12368.31	-0.77
969	970	17330.58	-0.40	-766.09	71.65	-13249.38	-0.27

SANT BOI PRET(t=0): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
970	970	17331.10	-0.40	-766.09	71.65	-13250.11	-0.27
970	971	17331.10	-0.40	-766.09	71.65	-14131.09	0.14
971	971	17330.99	-0.26	-768.01	79.77	-14128.49	-0.77
971	972	17330.99	-0.26	-768.01	79.77	-15011.77	-0.46
972	972	17331.51	-0.26	-768.01	79.77	-15012.50	-0.46
972	973	17331.51	-0.26	-768.01	79.77	-15895.84	-0.16
973	973	17322.99	0.09	-769.78	87.05	-15880.68	-1.14
973	974	17322.99	0.09	-769.78	87.05	-16765.83	-1.21
974	974	17238.37	0.09	-769.78	87.05	-16633.74	-1.21
974	975	17238.37	0.09	-769.78	87.05	-17520.88	-1.27
975	975	17238.01	0.69	-771.38	93.24	-17518.81	-2.34
975	976	17238.01	0.69	-771.38	93.24	-18405.89	-2.98
976	976	17238.54	0.69	-771.38	93.24	-18406.61	-2.98
976	977	17238.54	0.69	-771.38	93.24	-19293.67	-3.87
977	977	17237.94	1.26	-773.08	98.11	-19291.26	-5.33
977	978	17237.94	1.26	-773.08	98.11	-20180.41	-6.85
978	978	17238.46	1.26	-773.08	98.11	-20181.22	-6.85
978	979	17238.46	1.26	-773.08	98.11	-21070.37	-8.24
979	979	17237.49	0.39	-775.94	102.83	-21066.44	-12.54
979	980	17237.49	0.39	-775.94	102.83	-21958.75	-13.04
980	980	17238.01	0.39	-775.94	102.83	-21959.57	-13.04
980	981	17238.01	0.39	-775.94	102.83	-22851.86	-13.31
981	981	17202.19	-5.80	-1333.87	110.81	-22844.12	-28.29
981	982	17202.19	-5.80	-1333.87	110.81	-24378.99	-21.58
982	982	17202.72	-5.80	-1333.89	110.81	-24379.80	-21.58
982	983	17202.72	-5.80	-1333.89	110.81	-25914.38	-14.86
983	983	17239.90	-1.19	-786.18	100.28	-25916.88	-3.48
983	984	17239.90	-1.19	-786.18	100.28	-26820.98	-2.25
984	984	17240.42	-1.19	-786.18	100.28	-26821.80	-2.25
984	985	17240.42	-1.19	-786.18	100.28	-27726.04	-0.86

7.5.1.1.4. Pretensado Servicio t=0

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TITULO
=======
SANT BOI PRET(t=0): 1.00*Pservicio

FICHERO DE GEOMETRIA COMPLETA
=============================
GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS
================================
 1

Fich   Num. Nudos    Num. barras    Num. hipotesis    NOMBRE FICHERO
=============================================================================
  6     869           1138           55                PRET.TXT

Fich     Hipotesis       Caracter      Coeficiente
=================================================
  6          1              1            0.0000
  6          2              1            0.0000
  6          3              1            0.0000
  6          4              1            0.0000
  6          5              1            0.0000
  6          6              1            0.0000
  6          7              1            0.0000
  6          8              1            0.0000
  6          9              1            0.0000
  6         10              1            0.0000
  6         11              1            0.0000
  6         12              1            0.0000
  6         13              1            0.0000
  6         14              1            0.0000
  6         15              1            0.0000
  6         16              1            0.0000
  6         17              1            0.0000
  6         18              1            0.0000
  6         19              1            0.0000
  6         20              1            0.0000
  6         21              1            0.0000
  6         22              1            0.0000
  6         23              1            0.0000
  6         24              1            0.0000
  6         25              1            0.0000
  6         26              1            0.0000
  6         27              1            0.0000
  6         28              1            0.0000
  6         29              1            0.0000
  6         30              1            0.0000
  6         31              1            0.0000
  6         32              1            0.0000
  6         33              1            0.0000
  6         34              1            4.9554
  6         35              1            4.9554
  6         36              1            4.9554
  6         37              1            4.9554
  6         38              1            4.9554
  6         39              1            4.9554
  6         40              1            4.9554
  6         41              1            4.9554
  6         42              1            4.9554
  6         43              1            4.9554
  6         44              1            4.9554
  6         45              1            4.9554
  6         46              1            0.0000
  6         47              1            0.0000
  6         48              1            0.0000
  6         49              1            0.0000
  6         50              1            0.0000
  6         51              1            0.0000
  6         52              1            0.0000
  6         53              1            0.0000
  6         54              1            0.0000
  6         55              1            0.0000
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COMBINACION DE ESFUERZOS

SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
1	1	17460.89	-0.23	-3093.05	27.60	2671.95	0.00
1	2	17460.89	-0.23	-3093.05	27.60	-885.18	0.30
2	2	17582.38	-0.23	-2901.14	27.60	-892.12	0.30
2	3	17582.38	-0.23	-2901.14	27.60	-4228.39	0.50
3	3	17799.88	-3.89	-2073.72	49.60	-4256.59	6.39
3	4	17799.88	-3.89	-2073.72	49.60	-6642.61	10.95
4	4	17930.95	-3.89	-1811.45	49.60	-6701.14	10.95
4	5	17930.95	-3.89	-1811.45	49.60	-8785.38	15.36
5	5	18000.36	0.15	-2117.99	64.72	-8854.85	7.04
5	6	18000.36	0.15	-2117.99	64.72	-11290.53	6.79
6	6	18132.10	0.15	-1849.61	64.72	-11384.24	6.79
6	7	18132.10	0.15	-1849.61	64.72	-13511.34	6.59
7	7	18260.39	0.56	-1573.94	78.74	-13614.12	4.46
7	8	18260.39	0.56	-1573.94	78.74	-15424.13	3.77
8	8	18383.01	0.56	-1298.08	78.74	-15542.66	3.77
8	9	18383.01	0.56	-1298.08	78.74	-17035.38	3.17
9	9	18501.96	0.26	-1015.99	88.50	-17158.37	2.28
9	10	18501.96	0.26	-1015.99	88.50	-18326.70	1.93
10	10	18615.85	0.26	-730.36	88.50	-18457.53	1.93
10	11	18615.85	0.26	-730.36	88.50	-19297.37	1.64
11	11	18725.40	-0.02	-441.36	92.57	-19429.08	1.09
11	12	18725.40	-0.02	-441.36	92.57	-19936.66	1.09
12	12	18777.91	-0.02	-148.71	92.57	-20008.22	1.09
12	13	18777.91	-0.02	-148.71	92.57	-20179.23	1.09
13	13	18685.26	-0.20	146.15	89.99	-20061.19	0.55
13	14	18685.26	-0.20	146.15	89.99	-19893.21	0.79
14	14	18593.46	-0.20	430.50	89.99	-19774.18	0.79
14	15	18593.46	-0.20	430.50	89.99	-19279.23	0.99
15	15	18499.90	-0.31	701.20	80.82	-19162.93	0.50
15	16	18499.90	-0.31	701.20	80.82	-18356.59	0.84
16	16	18403.05	-0.31	969.74	80.82	-18234.39	0.84
16	17	18403.05	-0.31	969.74	80.82	-17119.17	1.14
17	17	18302.55	-0.26	1232.66	64.82	-17003.41	0.50
17	18	18302.55	-0.26	1232.66	64.82	-15585.82	0.84
18	18	18198.31	-0.26	1497.29	64.82	-15465.01	0.84
18	19	18198.31	-0.26	1497.29	64.82	-13743.16	0.99

SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
19	19	18091.48	0.11	1750.99	41.77	-13637.06	0.15
19	20	18091.48	0.11	1750.99	41.77	-11623.39	-0.05
20	20	18029.16	0.11	2012.77	41.77	-11562.83	-0.05
20	21	18029.16	0.11	2012.77	41.77	-9248.11	-0.10
21	21	17989.90	0.87	2266.89	11.05	-9236.87	-1.34
21	22	17989.90	0.87	2266.89	11.05	-6629.88	-2.43
22	22	17966.74	0.87	2529.47	11.05	-6607.73	-2.43
22	23	17966.74	0.87	2529.47	11.05	-3698.91	-3.32
23	23	17930.93	1.37	2778.84	-28.44	-3696.43	-4.61
23	24	17930.93	1.37	2778.84	-28.44	-500.74	-6.10
24	24	17893.90	1.37	3037.74	-28.44	-489.05	-6.10
24	25	17893.90	1.37	3037.74	-28.44	3004.41	-7.78
25	25	17795.02	-0.93	3273.68	-76.76	3013.23	-6.59
25	26	17795.02	-0.93	3273.68	-76.76	6777.90	-5.55
26	26	17664.66	-0.93	3513.16	-76.76	6786.17	-5.55
26	27	17664.66	-0.93	3513.16	-76.76	10826.41	-4.51
27	27	17640.74	-13.28	3172.04	-135.38	10782.36	10.90
27	28	17640.74	-13.28	3172.04	-135.38	14431.91	26.21
28	28	25992.68	-13.28	3783.68	-135.38	20243.70	26.21
28	29	25992.68	-13.28	3783.68	-135.38	24597.17	41.48
29	29	25817.52	3.10	3458.25	-180.43	24567.49	15.51
29	30	25817.52	3.10	3458.25	-180.43	28544.44	11.94
30	30	25722.12	3.10	1336.85	-180.43	28496.87	11.94
30	31	25722.12	3.10	1336.85	-180.43	30034.18	8.37
31	31	25610.90	4.66	-626.43	-174.13	29964.96	2.18
31	32	25610.90	4.66	-626.43	-174.13	29244.59	-3.22
32	32	25585.76	4.66	-1712.94	-174.13	29227.64	-3.22
32	33	25585.76	4.66	-1712.94	-174.13	27257.77	-8.57
33	33	25770.76	-2.72	-1981.16	-126.26	27360.65	-11.79
33	34	25770.76	-2.72	-1981.16	-126.26	25081.11	-8.77
34	34	17206.03	-2.72	-2770.13	-126.26	19127.10	-8.77
34	35	17206.03	-2.72	-2770.13	-126.26	15939.94	-5.65
35	35	17211.61	0.51	-3128.03	-77.90	16005.30	-0.84
35	36	17211.61	0.51	-3128.03	-77.90	12408.02	-1.49
36	36	17315.97	0.51	-2947.34	-77.90	12428.99	-1.49
36	37	17315.97	0.51	-2947.34	-77.90	9039.59	-2.08
37	37	17344.84	0.28	-2745.27	-42.37	9050.15	-0.55
37	38	17344.84	0.28	-2745.27	-42.37	5893.21	-0.89

SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
38	38	17371.34	0.28	-2548.63	-42.37	5888.90	-0.89
38	39	17371.34	0.28	-2548.63	-42.37	2957.93	-1.19
39	39	17395.19	0.18	-2347.22	-12.83	2960.75	0.10
39	40	17395.19	0.18	-2347.22	-12.83	261.35	-0.15
40	40	17418.06	0.18	-2148.18	-12.83	250.30	-0.15
40	41	17418.06	0.18	-2148.18	-12.83	-2220.07	-0.30
41	41	17438.31	0.29	-1945.59	11.84	-2224.38	0.64
41	42	17438.31	0.29	-1945.59	11.84	-4461.89	0.45
42	42	17457.24	0.29	-1745.88	11.84	-4476.06	0.45
42	43	17457.24	0.29	-1745.88	11.84	-6483.84	-0.05
43	43	17473.61	0.38	-1543.85	31.67	-6491.62	0.89
43	44	17473.61	0.38	-1543.85	31.67	-8267.19	0.50
44	44	17488.64	0.38	-1342.99	31.67	-8281.61	0.50
44	45	17488.64	0.38	-1342.99	31.67	-9826.06	-0.05
45	45	17501.23	0.41	-1139.54	46.73	-9835.23	0.79
45	46	17501.23	0.41	-1139.54	46.73	-11145.59	0.45
46	46	17512.19	0.41	-939.32	46.73	-11157.93	0.45
46	47	17512.19	0.41	-939.32	46.73	-12238.10	-0.15
47	47	17520.79	0.40	-736.22	56.74	-12246.03	0.69
47	48	17520.79	0.40	-736.22	56.74	-13092.81	0.35
48	48	17527.78	0.40	-534.64	56.74	-13101.48	0.35
48	49	17527.78	0.40	-534.64	56.74	-13716.25	-0.20
49	49	17532.33	0.37	-331.42	61.84	-13721.85	0.64
49	50	17532.33	0.37	-331.42	61.84	-14102.97	0.30
50	50	17535.24	0.37	-130.27	61.84	-14106.74	0.30
50	51	17535.24	0.37	-130.27	61.84	-14256.59	-0.25
51	51	17534.69	0.34	66.27	61.94	-14257.63	0.59
51	52	17534.69	0.34	66.27	61.94	-14181.41	0.30
52	52	17531.67	0.34	257.31	61.94	-14177.50	0.30
52	53	17531.67	0.34	257.31	61.94	-13881.56	-0.25
53	53	17526.44	0.32	448.62	57.04	-13878.64	0.69
53	54	17526.44	0.32	448.62	57.04	-13362.78	0.40
54	54	17519.70	0.32	639.57	57.04	-13354.65	0.40
54	55	17519.70	0.32	639.57	57.04	-12619.07	0.00
55	55	17510.70	0.32	827.70	47.18	-12614.17	0.74
55	56	17510.70	0.32	827.70	47.18	-11662.39	0.30
56	56	17500.60	0.32	1018.38	47.18	-11651.53	0.30
56	57	17500.60	0.32	1018.38	47.18	-10480.32	0.10

SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
57	57	17488.02	0.41	1204.63	32.06	-10475.07	0.79
57	58	17488.02	0.41	1204.63	32.06	-9089.69	0.30
58	58	17474.17	0.41	1395.11	32.06	-9077.30	0.30
58	59	17474.17	0.41	1395.11	32.06	-7472.94	-0.10
59	59	17458.26	0.75	1578.45	11.55	-7469.57	0.45
59	60	17458.26	0.75	1578.45	11.55	-5654.36	-0.30
60	60	17440.93	0.75	1767.78	11.55	-5642.76	-0.30
60	61	17440.93	0.75	1767.78	11.55	-3609.91	-1.24
61	61	17421.40	1.37	1948.51	-15.36	-3610.65	-0.89
61	62	17421.40	1.37	1948.51	-15.36	-1370.02	-2.38
62	62	17400.63	1.37	2137.62	-15.36	-1361.94	-2.38
62	63	17400.63	1.37	2137.62	-15.36	1096.38	-4.01
63	63	17378.40	1.71	2314.88	-49.11	1087.31	-3.52
63	64	17378.40	1.71	2314.88	-49.11	3749.45	-5.45
64	64	17305.04	1.71	2494.88	-49.11	3768.48	-5.45
64	65	17305.04	1.71	2494.88	-49.11	6637.41	-7.43
65	65	17206.96	-0.38	2658.77	-90.29	6626.21	-5.00
65	66	17206.96	-0.38	2658.77	-90.29	9683.84	-4.61
66	66	17107.74	-0.38	2830.53	-90.29	9671.36	-4.61
66	67	17107.74	-0.38	2830.53	-90.29	12926.41	-4.21
67	67	17092.39	-11.16	2441.68	-140.88	12873.09	11.55
67	68	17092.39	-11.16	2441.68	-140.88	15682.50	24.38
68	68	25486.87	-11.16	2379.58	-140.88	21510.25	24.38
68	69	25486.87	-11.16	2379.58	-140.88	24248.16	37.12
69	69	25299.73	3.34	2117.19	-177.95	24178.64	12.88
69	70	25299.73	3.34	2117.19	-177.95	26613.42	9.02
70	70	25320.96	3.34	688.02	-177.95	26651.88	9.02
70	71	25320.96	3.34	688.02	-177.95	27443.01	5.25
71	71	25514.40	4.17	-570.77	-167.74	27637.01	-0.74
71	72	25514.40	4.17	-570.77	-167.74	26980.52	-5.70
72	72	25694.03	4.17	-1663.86	-167.74	27135.37	-5.70
72	73	25694.03	4.17	-1663.86	-167.74	25221.99	-10.46
73	73	25877.73	-4.13	-1928.85	-118.43	25324.52	-13.33
73	74	25877.73	-4.13	-1928.85	-118.43	23105.30	-8.62
74	74	17196.81	-4.13	-2721.54	-118.43	17069.97	-8.62
74	75	17196.81	-4.13	-2721.54	-118.43	13938.70	-3.82
75	75	17204.61	-0.17	-3079.43	-69.62	14003.71	-1.49
75	76	17204.61	-0.17	-3079.43	-69.62	10462.44	-1.24

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SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
76	76	17308.96	-0.17	-2898.74	-69.62	10483.40	-1.24
76	77	17308.96	-0.17	-2898.74	-69.62	7149.85	-1.14
77	77	17338.35	-0.13	-2696.74	-33.70	7160.35	-0.84
77	78	17338.35	-0.13	-2696.74	-33.70	4059.07	-0.74
78	78	17364.85	-0.13	-2500.10	-33.70	4054.71	-0.74
78	79	17364.85	-0.13	-2500.10	-33.70	1179.58	-0.59
79	79	17389.20	-0.18	-2298.75	-4.16	1182.21	-0.35
79	80	17389.20	-0.18	-2298.75	-4.16	-1461.40	-0.10
80	80	17412.08	-0.18	-2099.72	-4.16	-1472.45	-0.10
80	81	17412.08	-0.18	-2099.72	-4.16	-3807.11	0.10
81	81	17432.82	-0.09	-1897.20	20.32	-3891.57	0.05
81	82	17432.82	-0.09	-1897.20	20.32	-6073.24	0.25
82	82	17451.76	-0.09	-1697.49	20.32	-6087.51	0.25
82	83	17451.76	-0.09	-1697.49	20.32	-8039.64	0.30
83	83	17468.64	-0.01	-1495.55	39.79	-8047.67	0.15
83	84	17468.64	-0.01	-1495.55	39.79	-9767.54	0.25
84	84	17483.67	-0.01	-1294.69	39.79	-9782.06	0.25
84	85	17483.67	-0.01	-1294.69	39.79	-11270.91	0.30
85	85	17496.76	0.01	-1091.34	54.51	-11280.08	0.15
85	86	17496.76	0.01	-1091.34	54.51	-12535.18	0.20
86	86	17507.72	0.01	-891.11	54.51	-12547.57	0.20
86	87	17507.72	0.01	-891.11	54.51	-13572.35	0.10
87	87	17516.82	-0.01	-688.15	64.12	-13580.42	-0.05
87	88	17516.82	-0.01	-688.15	64.12	-14371.75	0.00
88	88	17523.81	-0.01	-486.56	64.12	-14380.37	0.00
88	89	17523.81	-0.01	-486.56	64.12	-14939.89	0.10
89	89	17528.87	-0.05	-283.45	68.78	-14945.68	-0.10
89	90	17528.87	-0.05	-283.45	68.78	-15271.60	0.00
90	90	17531.79	-0.05	-82.31	68.78	-15275.32	0.00
90	91	17531.79	-0.05	-82.31	68.78	-15370.11	0.10
91	91	17531.73	-0.08	114.11	68.29	-15371.20	-0.05
91	92	17531.73	-0.08	114.11	68.29	-15239.94	0.00
92	92	17528.71	-0.08	305.14	68.29	-15236.02	0.00
92	93	17528.71	-0.08	305.14	68.29	-14885.13	0.15
93	93	17523.97	-0.11	496.31	62.88	-14882.40	-0.05
93	94	17523.97	-0.11	496.31	62.88	-14311.64	0.20
94	94	17517.23	-0.11	687.26	62.88	-14303.51	0.20
94	95	17517.23	-0.11	687.26	62.88	-13513.13	0.35

SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
95	95	17508.73	-0.11	875.26	52.38	-13508.37	0.20
95	96	17508.73	-0.11	875.26	52.38	-12501.83	0.35
96	96	17498.63	-0.11	1065.95	52.38	-12490.98	0.35
96	97	17498.63	-0.11	1065.95	52.38	-11265.16	0.45
97	97	17486.55	-0.03	1252.05	36.67	-11260.06	0.35
97	98	17486.55	-0.03	1252.05	36.67	-9820.17	0.30
98	98	17472.70	-0.03	1442.53	36.67	-9807.68	0.30
98	99	17472.70	-0.03	1442.53	36.67	-8148.81	0.35
99	99	17457.30	0.28	1625.71	15.41	-8145.69	0.10
99	100	17457.30	0.28	1625.71	15.41	-6276.16	-0.30
100	100	17439.97	0.28	1815.04	15.41	-6264.57	-0.30
100	101	17439.97	0.28	1815.04	15.41	-4177.15	-0.64
101	101	17420.96	0.90	1995.62	-12.09	-4178.29	-1.04
101	102	17420.96	0.90	1995.62	-12.09	-1883.30	-2.23
102	102	17400.19	0.90	2184.73	-12.09	-1875.27	-2.23
102	103	17400.19	0.90	2184.73	-12.09	637.21	-3.22
103	103	17378.43	1.27	2361.85	-46.33	627.90	-3.67
103	104	17378.43	1.27	2361.85	-46.33	3344.05	-5.25
104	104	17305.08	1.27	2541.85	-46.33	3363.08	-5.25
104	105	17305.08	1.27	2541.85	-46.33	6286.17	-6.64
105	105	17207.43	-0.73	2705.60	-88.06	6274.68	-5.05
105	106	17207.43	-0.73	2705.60	-88.06	9386.12	-4.21
106	106	17108.20	-0.73	2877.37	-88.06	9373.59	-4.21
106	107	17108.20	-0.73	2877.37	-88.06	12682.70	-3.37
107	107	17094.59	-11.40	2488.47	-138.55	12629.23	11.65
107	108	17094.59	-11.40	2488.47	-138.55	15492.51	24.73
108	108	25465.73	-11.40	2425.20	-138.55	21303.46	24.73
108	109	25465.73	-11.40	2425.20	-138.55	24093.95	37.86
109	109	25277.01	3.29	2162.32	-175.67	24024.47	13.73
109	110	25277.01	3.29	2162.32	-175.67	26511.04	10.01
110	110	25298.36	3.29	734.26	-175.67	26549.30	10.01
110	111	25298.36	3.29	734.26	-175.67	27393.70	6.24
111	111	25509.66	4.46	-608.70	-164.77	27604.15	0.74
111	112	25509.66	4.46	-608.70	-164.77	26904.11	-4.51
112	112	25703.86	4.46	-1915.13	-164.77	27069.47	-4.51
112	113	25703.86	4.46	-1915.13	-164.77	24867.19	-9.61
113	113	25880.65	-3.58	-2279.70	-115.01	24953.96	-11.35
113	114	25880.65	-3.58	-2279.70	-115.01	22330.92	-7.23

SANT BOI PRET(t-0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
114	114	17181.37	-3.58	-2749.78	-115.01	16289.19	-7.23
114	115	17181.37	-3.58	-2749.78	-115.01	13125.37	-3.12
115	115	17195.79	0.52	-3090.75	-66.55	13186.07	-0.10
115	116	17195.79	0.52	-3090.75	-66.55	9631.71	-0.64
116	116	17290.08	0.52	-2889.82	-66.55	9641.03	-0.64
116	117	17290.08	0.52	-2889.82	-66.55	6317.74	-1.34
117	117	17324.06	0.49	-2668.70	-31.52	6327.50	0.00
117	118	17324.06	0.49	-2668.70	-31.52	3258.42	-0.45
118	118	17353.00	0.49	-2454.26	-31.52	3250.45	-0.45
118	119	17353.00	0.49	-2454.26	-31.52	428.05	-1.06
119	119	17379.10	0.37	-2234.16	-2.68	426.41	0.15
119	120	17379.10	0.37	-2234.16	-2.68	-2142.86	-0.20
120	120	17403.70	0.37	-2016.28	-2.68	-2157.33	-0.20
120	121	17403.70	0.37	-2016.28	-2.68	-4476.01	-0.59
121	121	17425.18	0.42	-1794.79	20.56	-4484.19	0.50
121	122	17425.18	0.42	-1794.79	20.56	-6548.31	-0.10
122	122	17444.99	0.42	-1577.20	20.56	-6565.06	-0.10
122	123	17444.99	0.42	-1577.20	20.56	-8378.84	-0.50
123	123	17461.87	0.47	-1354.72	38.65	-8389.89	0.45
123	124	17461.87	0.47	-1354.72	38.65	-9947.57	-0.15
124	124	17477.20	0.47	-1135.53	38.65	-9963.62	-0.15
124	125	17477.20	0.47	-1135.53	38.65	-11269.47	-0.59
125	125	17489.16	0.46	-913.55	51.14	-11280.18	0.40
125	126	17489.16	0.46	-913.55	51.14	-12330.62	-0.20
126	126	17499.38	0.46	-692.66	51.14	-12342.66	-0.20
126	127	17499.38	0.46	-692.66	51.14	-13139.34	-0.69
127	127	17506.61	0.44	-471.96	58.08	-13147.42	0.20
127	128	17506.61	0.44	-471.96	58.08	-13690.13	-0.35
128	128	17511.90	0.44	-251.30	58.08	-13696.87	-0.35
128	129	17511.90	0.44	-251.30	58.08	-13985.77	-0.69
129	129	17514.33	0.40	-30.30	59.71	-13990.38	0.15
129	130	17514.33	0.40	-30.30	59.71	-14025.17	-0.35
130	130	17513.60	0.40	185.10	59.71	-14024.23	-0.35
130	131	17513.60	0.40	185.10	59.71	-13811.34	-0.74
131	131	17509.06	0.37	393.95	55.90	-13808.97	0.10
131	132	17509.06	0.37	393.95	55.90	-13355.89	-0.15
132	132	17502.66	0.37	603.09	55.90	-13347.96	-0.15
132	133	17502.66	0.37	603.09	55.90	-12654.36	-0.59

SANT BOI PRET(t-0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
133	133	17493.78	0.37	809.79	46.48	-12649.15	0.25
133	134	17493.78	0.37	809.79	46.48	-11717.94	-0.05
134	134	17482.92	0.37	1018.48	46.48	-11705.65	-0.05
134	135	17482.92	0.37	1018.48	46.48	-10534.39	-0.50
135	135	17469.46	0.47	1223.76	31.42	-10527.55	0.30
135	136	17469.46	0.47	1223.76	31.42	-9120.17	-0.20
136	136	17454.67	0.47	1430.65	31.42	-9106.04	-0.20
136	137	17454.67	0.47	1430.65	31.42	-7460.80	-0.74
137	137	17436.82	0.83	1632.99	10.16	-7455.05	0.10
137	138	17436.82	0.83	1632.99	10.16	-5577.05	-0.99
138	138	17417.78	0.83	1839.25	10.16	-5563.13	-0.99
138	139	17417.78	0.83	1839.25	10.16	-3448.07	-1.88
139	139	17395.80	1.47	2037.86	-17.74	-3446.58	-1.44
139	140	17395.80	1.47	2037.86	-17.74	-1103.12	-3.12
140	140	17372.35	1.47	2243.83	-17.74	-1092.52	-3.12
140	141	17372.35	1.47	2243.83	-17.74	1487.86	-4.81
141	141	17346.98	1.82	2438.51	-53.37	1480.48	-4.31
141	142	17346.98	1.82	2438.51	-53.37	4284.79	-6.34
142	142	17266.70	1.82	2633.72	-53.37	4310.60	-6.34
142	143	17266.70	1.82	2633.72	-53.37	7339.24	-8.47
143	143	17161.38	-0.45	2814.41	-97.18	7334.49	-5.80
143	144	17161.38	-0.45	2814.41	-97.18	10571.01	-5.30
144	144	17055.48	-0.45	3001.09	-97.18	10564.37	-5.30
144	145	17055.48	-0.45	3001.09	-97.18	14015.61	-4.71
145	145	17038.34	-11.98	2629.39	-151.59	13965.11	11.94
145	146	17038.34	-11.98	2629.39	-151.59	16990.43	25.82
146	146	25456.12	-11.98	2883.20	-151.59	22825.86	25.82
146	147	25456.12	-11.98	2883.20	-151.59	26143.15	39.44
147	147	25492.50	3.54	2549.86	-192.17	26243.90	12.98
147	148	25492.50	3.54	2549.86	-192.17	29176.16	8.87
148	148	25687.14	3.54	908.08	-192.17	29367.24	8.87
148	149	25687.14	3.54	908.08	-192.17	30411.44	4.81
149	149	25878.74	4.25	-835.95	-180.87	30607.72	-2.38
149	150	25878.74	4.25	-835.95	-180.87	29646.37	-7.23
150	150	26062.89	4.25	-1955.62	-180.87	29805.00	-7.23
150	151	26062.89	4.25	-1955.62	-180.87	27556.14	-12.24
151	151	26260.12	-4.97	-2234.07	-127.35	27663.17	-16.15
151	152	26260.12	-4.97	-2234.07	-127.35	25092.71	-10.41

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SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
152	152	17615.27	-4.97	-3038.12	-127.35	19082.45	-10.41
152	153	17615.27	-4.97	-3038.12	-127.35	15586.91	-4.76
153	153	17615.46	-0.66	-3403.69	-74.13	15655.25	-2.92
153	154	17615.46	-0.66	-3403.69	-74.13	11741.13	-2.28
154	154	17722.35	-0.66	-3218.60	-74.13	11762.63	-2.28
154	155	17722.35	-0.66	-3218.60	-74.13	8061.20	-1.44
155	155	17754.61	-0.58	-3011.23	-34.34	8073.59	-1.98
155	156	17754.61	-0.58	-3011.23	-34.34	4610.80	-1.29
156	156	17783.58	-0.58	-2810.06	-34.34	4606.04	-1.29
156	157	17783.58	-0.58	-2810.06	-34.34	1374.33	-0.59
157	157	17810.75	-0.59	-2603.31	-0.99	1377.85	-1.14
157	158	17810.75	-0.59	-2603.31	-0.99	-1615.86	-0.55
158	158	17836.01	-0.59	-2399.60	-0.99	-1628.10	-0.55
158	159	17836.01	-0.59	-2399.60	-0.99	-4387.66	0.20
159	159	17859.52	-0.45	-2191.53	27.35	-4391.82	-0.64
159	160	17859.52	-0.45	-2191.53	27.35	-6912.09	-0.10
160	160	17917.54	-0.45	-1990.63	27.35	-6956.49	-0.10
160	161	17917.54	-0.45	-1990.63	27.35	-9245.64	0.45
161	161	18010.95	-0.37	-1788.95	50.99	-9318.23	-0.45
161	162	18010.95	-0.37	-1788.95	50.99	-11375.47	-0.15
162	162	18102.56	-0.37	-1587.51	50.99	-11464.47	-0.15
162	163	18102.56	-0.37	-1587.51	50.99	-13290.09	0.40
163	163	18192.77	-0.35	-1380.91	69.52	-13378.54	-0.55
163	164	18192.77	-0.35	-1380.91	69.52	-14966.60	-0.20
164	164	18280.17	-0.35	-1176.61	69.52	-15065.31	-0.20
164	165	18280.17	-0.35	-1176.61	69.52	-16418.43	0.35
165	165	18366.49	-0.39	-966.88	83.05	-16516.40	-0.64
165	166	18366.49	-0.39	-966.88	83.05	-17628.29	-0.25
166	166	18450.11	-0.39	-757.66	83.05	-17731.71	-0.25
166	167	18450.11	-0.39	-757.66	83.05	-18603.07	0.30
167	167	18532.54	-0.43	-544.28	91.33	-18705.05	-0.64
167	168	18532.54	-0.43	-544.28	91.33	-19330.97	-0.20
168	168	18611.81	-0.43	-332.00	91.33	-19433.15	-0.20
168	169	18611.81	-0.43	-332.00	91.33	-19814.96	0.40
169	169	18687.98	-0.45	-125.81	94.45	-19913.03	-0.64
169	170	18687.98	-0.45	-125.81	94.45	-20057.77	-0.15
170	170	18760.04	-0.45	74.42	94.45	-20150.74	-0.15
170	171	18760.04	-0.45	74.42	94.45	-20065.16	0.45

SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
171	171	18830.77	-0.41	274.38	92.27	-20156.59	-0.59
171	172	18830.77	-0.41	274.38	92.27	-19841.07	-0.05
172	172	18878.00	-0.41	475.99	92.27	-19896.03	-0.05
172	173	18878.00	-0.41	475.99	92.27	-19348.61	0.40
173	173	18795.02	-0.23	670.20	84.79	-19252.87	-0.79
173	174	18795.02	-0.23	670.20	84.79	-18482.11	-0.55
174	174	18709.40	-0.23	864.59	84.79	-18384.48	-0.55
174	175	18709.40	-0.23	864.59	84.79	-17390.18	-0.35
175	175	18622.17	0.17	1053.25	72.89	-17301.73	-1.83
175	176	18622.17	0.17	1053.25	72.89	-16090.48	-2.03
176	176	18531.82	0.17	1244.40	72.89	-16000.74	-2.03
176	177	18531.82	0.17	1244.40	72.89	-14569.67	-2.23
177	177	18440.04	0.56	1429.06	57.38	-14493.55	-4.11
177	178	18440.04	0.56	1429.06	57.38	-12850.05	-4.76
178	178	18345.39	0.56	1615.90	57.38	-12774.53	-4.76
178	179	18345.39	0.56	1615.90	57.38	-10916.30	-5.35
179	179	18250.07	-0.13	1794.42	39.94	-10858.77	-6.99
179	180	18250.07	-0.13	1794.42	39.94	-8795.24	-6.84
180	180	18151.04	-0.13	1977.45	39.94	-8740.63	-6.84
180	181	18151.04	-0.13	1977.45	39.94	-6466.55	-6.59
181	181	18111.35	-4.24	1575.51	23.59	-6432.41	-7.38
181	182	18111.35	-4.24	1575.51	23.59	-4619.67	-2.38
182	182	18014.93	-4.24	1754.65	23.59	-4589.69	-2.38
182	183	18014.93	-4.24	1754.65	23.59	-2570.76	2.43
183	183	17843.53	-0.04	2503.44	8.57	-2560.16	0.50
183	184	17843.53	-0.04	2503.44	8.57	318.73	0.45
184	184	17754.12	-0.04	2634.69	8.57	317.64	0.45
184	185	17754.12	-0.04	2634.69	8.57	3347.47	0.40

SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
801	801	17453.66	-0.46	-3088.38	10.95	2664.57	-0.30
801	802	17453.66	-0.46	-3088.38	10.95	-887.07	0.30
802	802	17575.13	-0.46	-2896.48	10.95	-894.05	0.30
802	803	17575.13	-0.46	-2896.48	10.95	-4225.07	0.69
803	803	17795.15	-4.44	-2078.82	29.78	-4254.51	-0.99
803	804	17795.15	-4.44	-2078.82	29.78	-6646.33	4.06
804	804	17926.22	-4.44	-1816.55	29.78	-6704.95	4.06
804	805	17926.22	-4.44	-1816.55	29.78	-8795.09	9.22
805	805	17992.96	0.11	-2130.46	48.46	-8861.94	8.47
805	806	17992.96	0.11	-2130.46	48.46	-11311.84	8.42
806	806	18124.70	0.11	-1862.07	48.46	-11405.60	8.42
806	807	18124.70	0.11	-1862.07	48.46	-13546.97	8.23
807	807	18251.41	0.86	-1594.29	66.55	-13646.43	6.79
807	808	18251.41	0.86	-1594.29	66.55	-15479.93	5.80
808	808	18374.02	0.86	-1318.43	66.55	-15598.36	5.80
808	809	18374.02	0.86	-1318.43	66.55	-17114.56	4.86
809	809	18491.75	0.41	-1042.19	80.38	-17233.74	3.12
809	810	18491.75	0.41	-1042.19	80.38	-18432.30	2.73
810	810	18605.63	0.41	-756.57	80.38	-18563.08	2.73
810	811	18605.63	0.41	-756.57	80.38	-19433.05	2.23
811	811	18714.18	-0.06	-470.64	88.50	-19560.50	0.89
811	812	18714.18	-0.06	-470.64	88.50	-20101.78	0.94
812	812	18766.69	-0.06	-177.98	88.50	-20173.33	0.94
812	813	18766.69	-0.06	-177.98	88.50	-20377.94	0.94
813	813	18673.18	-0.27	117.05	89.59	-20255.84	0.00
813	814	18673.18	-0.27	117.05	89.59	-20121.25	0.35
814	814	18581.39	-0.27	401.40	89.59	-20002.27	0.35
814	815	18581.39	-0.27	401.40	89.59	-19540.78	0.64
815	815	18487.04	-0.28	675.41	83.35	-19420.81	-0.15
815	816	18487.04	-0.28	675.41	83.35	-18644.05	0.20
816	816	18390.20	-0.28	943.95	83.35	-18521.95	0.20
816	817	18390.20	-0.28	943.95	83.35	-17436.32	0.55
817	817	18288.94	-0.23	1213.22	70.07	-17317.29	-0.20
817	818	18288.94	-0.23	1213.22	70.07	-15922.05	0.20

SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
818	818	18184.69	-0.23	1477.85	70.07	-15801.28	0.20
818	819	18184.69	-0.23	1477.85	70.07	-14101.78	0.35
819	819	18077.16	-0.18	1740.89	49.95	-13992.46	-0.25
819	820	18077.16	-0.18	1740.89	49.95	-11950.43	0.05
820	820	18014.85	-0.18	2002.67	49.95	-11828.93	0.05
820	821	18014.85	-0.18	2002.67	49.95	-9626.86	0.25
821	821	17984.97	-0.10	2269.11	23.49	-9612.04	-0.35
821	822	17984.97	-0.10	2269.11	23.49	-7002.43	-0.15
822	822	17951.81	-0.10	2531.69	23.49	-6980.33	-0.15
822	823	17951.81	-0.10	2531.69	23.49	-4069.03	-0.10
823	823	17915.48	0.08	2796.46	-9.22	-4062.29	-0.40
823	824	17915.48	0.08	2796.46	-9.22	-846.38	-0.50
824	824	17878.45	0.08	3055.35	-9.22	-834.69	-0.50
824	825	17878.45	0.08	3055.35	-9.22	2679.04	-0.64
825	825	17779.73	-0.29	3310.00	-49.11	2692.22	-1.49
825	826	17779.73	-0.29	3310.00	-49.11	6498.66	-1.09
826	826	17649.38	-0.29	3549.49	-49.11	6506.89	-1.09
826	827	17649.38	-0.29	3549.49	-49.11	10588.85	-0.79
827	827	17631.19	-6.56	3235.25	-103.12	10545.14	-1.98
827	828	17631.19	-6.56	3235.25	-103.12	14267.69	5.60
828	828	25983.14	-6.56	3846.90	-103.12	20079.33	5.60
828	829	25983.14	-6.56	3846.90	-103.12	24505.44	13.18
829	829	25802.65	2.73	3547.64	-162.34	24462.23	11.74
829	830	25802.65	2.73	3547.64	-162.34	28542.06	8.72
830	830	25707.25	2.73	1426.23	-162.34	28494.49	8.72
830	831	25707.25	2.73	1426.23	-162.34	30134.58	5.45
831	831	25593.63	4.79	-558.37	-183.10	30043.50	-1.24
831	832	25593.63	4.79	-558.37	-183.10	29401.48	-6.64
832	832	25568.49	4.79	-1644.88	-183.10	29384.48	-6.64
832	833	25568.49	4.79	-1644.88	-183.10	27492.91	-12.09
833	833	25748.31	-10.44	-1934.08	-152.18	27580.57	-37.46
833	834	25748.31	-10.44	-1934.08	-152.18	25355.25	-25.47
834	834	17183.58	-10.44	-2723.06	-152.18	19401.18	-25.47
834	835	17183.58	-10.44	-2723.06	-152.18	16268.23	-13.48
835	835	17196.15	-0.42	-3103.83	-103.12	16331.36	2.87
835	836	17196.15	-0.42	-3103.83	-103.12	12761.89	3.27
836	836	17300.52	-0.42	-2923.15	-103.12	12782.85	3.27
836	837	17300.52	-0.42	-2923.15	-103.12	9421.36	3.77

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SANT BOI PRET(t=0): 1.30*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
837	837	17331.25	1.46	-2737.42	-61.25	9434.98	6.29
837	838	17331.25	1.46	-2737.42	-61.25	6286.97	4.66
838	838	17357.75	1.46	-2540.78	-61.25	6282.60	4.66
838	839	17357.75	1.46	-2540.78	-61.25	3360.80	2.97
839	839	17382.84	1.18	-2353.27	-25.62	3367.10	3.62
839	840	17382.84	1.18	-2353.27	-25.62	660.80	2.18
840	840	17405.70	1.18	-2154.23	-25.62	649.80	2.18
840	841	17405.70	1.18	-2154.23	-25.62	-1827.60	0.84
841	841	17427.04	0.67	-1963.23	3.32	-1828.74	1.39
841	842	17427.04	0.67	-1963.23	3.32	-4086.42	0.64
842	842	17445.98	0.67	-1763.52	3.32	-4100.59	0.64
842	843	17445.98	0.67	-1763.52	3.32	-6128.64	-0.20
843	843	17463.35	0.39	-1570.70	26.11	-6133.65	0.59
843	844	17463.35	0.39	-1570.70	26.11	-7939.94	0.10
844	844	17478.38	0.39	-1369.84	26.11	-7954.46	0.10
844	845	17478.38	0.39	-1369.84	26.11	-9529.78	-0.35
845	845	17491.89	0.31	-1173.29	43.06	-9536.12	0.45
845	846	17491.89	0.31	-1173.29	43.06	-10885.38	0.10
846	846	17502.85	0.31	-973.07	43.06	-10897.67	0.10
846	847	17502.85	0.31	-973.07	43.06	-12016.70	-0.35
847	847	17512.33	0.31	-774.66	54.66	-12021.90	0.50
847	848	17512.33	0.31	-774.66	54.66	-12912.83	0.25
848	848	17519.31	0.31	-573.08	54.66	-12921.35	0.25
848	849	17519.31	0.31	-573.08	54.66	-13580.32	-0.25
849	849	17524.73	0.34	-372.32	61.15	-13583.05	0.64
849	850	17524.73	0.34	-372.32	61.15	-14011.20	0.40
850	850	17527.65	0.34	-171.18	61.15	-14014.96	0.40
850	851	17527.65	0.34	-171.18	61.15	-14211.79	-0.15
851	851	17527.97	0.36	25.07	62.39	-14210.01	0.74
851	852	17527.97	0.36	25.07	62.39	-14181.26	0.35
852	852	17524.94	0.36	216.10	62.39	-14177.35	0.35
852	853	17524.94	0.36	216.10	62.39	-13928.79	-0.15
853	853	17520.56	0.40	409.24	58.82	-13923.04	0.69
853	854	17520.56	0.40	409.24	58.82	-13452.37	0.30
854	854	17513.82	0.40	600.19	58.82	-13444.20	0.30
854	855	17513.82	0.40	600.19	58.82	-12754.01	-0.20
855	855	17505.68	0.42	792.30	50.25	-12746.28	0.59
855	856	17505.68	0.42	792.30	50.25	-11835.08	0.10

SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
856	856	17495.59	0.42	982.99	50.25	-11824.23	0.10
856	857	17495.59	0.42	982.99	50.25	-10693.75	-0.40
857	857	17483.90	0.41	1175.35	36.97	-10685.73	0.45
857	858	17483.90	0.41	1175.35	36.97	-9334.04	0.00
858	858	17470.05	0.41	1365.83	36.97	-9321.60	0.00
858	859	17470.05	0.41	1365.83	36.97	-7751.04	-0.55
859	859	17455.10	0.34	1557.53	18.78	-7744.70	0.35
859	860	17455.10	0.34	1557.53	18.78	-5953.42	-0.05
860	860	17437.77	0.34	1746.85	18.78	-5941.82	-0.05
860	861	17437.77	0.34	1746.85	18.78	-3933.10	-0.40
861	861	17419.28	0.27	1938.27	-4.21	-3930.62	0.50
861	862	17419.28	0.27	1938.27	-4.21	-1701.54	0.15
862	862	17398.51	0.27	2127.37	-4.21	-1693.46	0.15
862	863	17398.51	0.27	2127.37	-4.21	752.92	-0.20
863	863	17377.41	0.37	2317.68	-32.31	747.77	0.99
863	864	17377.41	0.37	2317.68	-32.31	3413.13	0.69
864	864	17304.05	0.37	2497.69	-32.31	3432.21	0.69
864	865	17304.05	0.37	2497.69	-32.31	6304.56	0.20
865	865	17207.60	0.37	2677.28	-66.45	6297.02	1.24
865	866	17207.60	0.37	2677.28	-66.45	9375.91	0.74
866	866	17108.36	0.37	2849.04	-66.45	9363.53	0.74
866	867	17108.36	0.37	2849.04	-66.45	12639.84	0.35
867	867	17099.02	-3.62	2483.23	-113.88	12586.62	3.02
867	868	17099.02	-3.62	2483.23	-113.88	15443.75	7.28
868	868	25493.51	-3.62	2421.12	-113.88	21271.60	7.28
868	869	25493.51	-3.62	2421.12	-113.88	24057.23	11.40
869	869	25301.51	5.30	2181.02	-163.63	23975.66	9.86
869	870	25301.51	5.30	2181.02	-163.63	26483.94	3.82
870	870	25322.74	5.30	751.84	-163.63	26522.39	3.82
870	871	25322.74	5.30	751.84	-163.63	27386.96	-2.33
871	871	25513.09	2.55	-497.08	-176.96	27562.03	-7.93
871	872	25513.09	2.55	-497.08	-176.96	26990.38	-10.90
872	872	25692.72	2.55	-1590.17	-176.96	27145.24	-10.90
872	873	25692.72	2.55	-1590.17	-176.96	25316.64	-13.83
873	873	25870.46	-11.54	-1876.45	-142.91	25405.69	-38.45
873	874	25870.46	-11.54	-1876.45	-142.91	23246.57	-25.12
874	874	17189.54	-11.54	-2669.13	-142.91	17211.29	-25.12
874	875	17189.54	-11.54	-2669.13	-142.91	14140.23	-11.84

SANT BOI PRET(t-0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
875	875	17203.16	-0.76	-3050.33	-93.11	14203.86	3.32
875	876	17203.16	-0.76	-3050.33	-93.11	10696.03	4.36
876	876	17307.51	-0.76	-2869.64	-93.11	10716.99	4.36
876	877	17307.51	-0.76	-2869.64	-93.11	7416.90	5.10
877	877	17337.73	1.28	-2684.00	-51.24	7430.72	6.69
877	878	17337.73	1.28	-2684.00	-51.24	4344.05	5.25
878	878	17364.23	1.28	-2467.36	-51.24	4339.69	5.25
878	879	17364.23	1.28	-2467.36	-51.24	1479.29	3.67
879	879	17388.82	0.94	-2299.83	-15.91	1485.43	3.42
879	880	17388.82	0.94	-2299.83	-15.91	-1159.41	2.28
880	880	17411.69	0.94	-2100.79	-15.91	-1170.42	2.28
880	881	17411.69	0.94	-2100.79	-15.91	-3586.22	1.29
881	881	17432.52	0.31	-1909.72	12.69	-3587.61	0.69
881	882	17432.52	0.31	-1909.72	12.69	-5783.60	0.35
882	882	17451.47	0.31	-1710.00	12.69	-5797.82	0.35
882	883	17451.47	0.31	-1710.00	12.69	-7764.37	-0.05
883	883	17468.32	-0.01	-1517.10	34.84	-7769.57	-0.25
883	884	17468.32	-0.01	-1517.10	34.84	-9514.32	-0.30
884	884	17483.35	-0.01	-1316.23	34.84	-9528.79	-0.30
884	885	17483.35	-0.01	-1316.23	34.84	-11042.51	-0.25
885	885	17496.35	-0.10	-1119.59	51.29	-11048.91	-0.50
885	886	17496.35	-0.10	-1119.59	51.29	-12336.37	-0.30
886	886	17507.31	-0.10	-919.37	51.29	-12348.76	-0.30
886	887	17507.31	-0.10	-919.37	51.29	-13406.04	-0.15
887	887	17516.28	-0.10	-720.85	62.44	-13411.49	-0.25
887	888	17516.28	-0.10	-720.85	62.44	-14240.48	-0.10
888	888	17523.27	-0.10	-519.27	62.44	-14249.05	-0.10
888	889	17523.27	-0.10	-519.27	62.44	-14846.18	0.00
889	889	17528.21	-0.07	-318.40	68.19	-14849.20	-0.15
889	890	17528.21	-0.07	-318.40	68.19	-15215.36	0.00
890	890	17531.12	-0.07	-117.25	68.19	-15219.12	0.00
890	891	17531.12	-0.07	-117.25	68.19	-15354.01	0.05
891	891	17530.92	-0.04	79.10	68.98	-15352.47	-0.10
891	892	17530.92	-0.04	79.10	68.98	-15261.44	0.00
892	892	17527.89	-0.04	270.13	68.98	-15257.63	0.00
892	893	17527.89	-0.04	270.13	68.98	-14946.82	0.05
893	893	17523.02	-0.02	463.41	64.72	-14941.47	-0.05
893	894	17523.02	-0.02	463.41	64.72	-14408.52	0.00

SANT BOI PRET(t-0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
894	894	17516.28	-0.02	654.36	64.72	-14400.39	0.00
894	895	17516.28	-0.02	654.36	64.72	-13647.77	0.10
895	895	17507.65	0.01	846.61	55.45	-13640.38	-0.10
895	896	17507.65	0.01	846.61	55.45	-12666.80	0.05
896	896	17497.56	0.01	1037.29	55.45	-12655.94	0.05
896	897	17497.56	0.01	1037.29	55.45	-11463.13	-0.05
897	897	17485.37	0.01	1229.80	41.48	-11455.25	-0.15
897	898	17485.37	0.01	1229.80	41.48	-10041.08	-0.20
898	898	17471.52	0.01	1420.28	41.48	-10028.59	-0.20
898	899	17471.52	0.01	1420.28	41.48	-8395.29	-0.15
899	899	17456.06	-0.02	1612.13	22.55	-8389.49	-0.25
899	900	17456.06	-0.02	1612.13	22.55	-6535.33	-0.15
900	900	17438.73	-0.02	1801.45	22.55	-6523.73	-0.15
900	901	17438.73	-0.02	1801.45	22.55	-4452.13	-0.15
901	901	17419.72	-0.06	1993.02	-1.19	-4450.00	-0.15
901	902	17419.72	-0.06	1993.02	-1.19	-2158.08	-0.20
902	902	17398.94	-0.06	2182.13	-1.19	-2150.05	-0.20
902	903	17398.94	-0.06	2182.13	-1.19	359.37	0.00
903	903	17377.36	0.05	2372.59	-29.88	354.01	0.15
903	904	17377.36	0.05	2372.59	-29.88	3082.41	0.10
904	904	17304.00	0.05	2552.60	-29.88	3101.44	0.10
904	905	17304.00	0.05	2552.60	-29.88	6036.97	0.10
905	905	17207.12	-0.09	2732.32	-64.52	6029.24	0.20
905	906	17207.12	-0.09	2732.32	-64.52	9171.36	0.25
906	906	17107.90	-0.09	2904.09	-64.52	9158.92	0.25
906	907	17107.90	-0.09	2904.09	-64.52	12498.61	0.45
907	907	17100.07	-4.66	2538.38	-112.29	12445.39	1.88
907	908	17100.07	-4.66	2538.38	-112.29	15365.85	7.23
908	908	25471.21	-4.66	2475.12	-112.29	21176.95	7.23
908	909	25471.21	-4.66	2475.12	-112.29	24024.82	12.64
909	909	25277.62	3.14	2234.53	-162.39	23943.11	10.16
909	910	25277.62	3.14	2234.53	-162.39	26512.78	6.64
910	910	25298.97	3.14	806.48	-162.39	26551.08	6.64
910	911	25298.97	3.14	806.48	-162.39	27478.49	3.12
911	911	25508.20	4.22	-548.33	-175.67	27669.67	-3.02
911	912	25508.20	4.22	-548.33	-175.67	27039.04	-7.93
912	912	25702.41	4.22	-1854.77	-175.67	27204.45	-7.93
912	913	25702.41	4.22	-1854.77	-175.67	25071.50	-12.83

SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
913	913	25875.08	-10.72	-2240.91	-141.33	25144.94	-36.82
913	914	25875.08	-10.72	-2240.91	-141.33	22566.59	-24.43
914	914	17175.81	-10.72	-2710.98	-141.33	16524.87	-24.43
914	915	17175.81	-10.72	-2710.98	-141.33	13405.69	-12.14
915	915	17196.61	-0.27	-3075.37	-91.23	13465.85	3.82
915	916	17196.61	-0.27	-3075.37	-91.23	9929.13	4.06
916	916	17290.91	-0.27	-2874.44	-91.23	9938.45	4.06
916	917	17290.91	-0.27	-2874.44	-91.23	6632.75	4.36
917	917	17326.72	1.69	-2669.57	-49.41	6646.33	7.04
917	918	17326.72	1.69	-2669.57	-49.41	3576.26	4.96
918	918	17355.66	1.69	-2455.12	-49.41	3568.38	4.96
918	919	17355.66	1.69	-2455.12	-49.41	744.99	3.12
919	919	17383.03	1.36	-2248.54	-14.52	747.77	3.67
919	920	17383.03	1.36	-2248.54	-14.52	-1838.11	2.13
920	920	17407.64	1.36	-2030.68	-14.52	-1852.58	2.13
920	921	17407.64	1.36	-2030.68	-14.52	-4187.86	0.64
921	921	17430.29	0.77	-1820.15	12.93	-4192.32	1.14
921	922	17430.29	0.77	-1820.15	12.93	-6285.43	0.25
922	922	17450.10	0.77	-1602.56	12.93	-6302.18	0.25
922	923	17450.10	0.77	-1602.56	12.93	-8145.09	-0.74
923	923	17468.07	0.46	-1388.45	33.80	-8152.62	0.15
923	924	17468.07	0.46	-1388.45	33.80	-9749.40	-0.40
924	924	17483.40	0.46	-1169.26	33.80	-9765.36	-0.40
924	925	17483.40	0.46	-1169.26	33.80	-11109.96	-1.04
925	925	17496.41	0.37	-953.15	48.41	-11117.39	0.00
925	926	17496.41	0.37	-953.15	48.41	-12213.43	-0.40
926	926	17506.62	0.37	-732.25	48.41	-12225.52	-0.40
926	927	17506.62	0.37	-732.25	48.41	-13067.54	-0.84
927	927	17514.85	0.39	-514.97	57.14	-13072.49	0.15
927	928	17514.85	0.39	-514.97	57.14	-13664.76	-0.40
928	928	17520.13	0.39	-294.31	57.14	-13671.45	-0.40
928	929	17520.13	0.39	-294.31	57.14	-14009.86	-0.74
929	929	17523.57	0.43	-74.33	60.31	-14011.15	0.20
929	930	17523.57	0.43	-74.33	60.31	-14096.58	-0.40
930	930	17522.84	0.43	141.08	60.31	-14095.64	-0.40
930	931	17522.84	0.43	141.08	60.31	-13933.49	-0.74
931	931	17519.29	0.46	351.30	57.83	-13927.90	0.20
931	932	17519.29	0.46	351.30	57.83	-13523.83	-0.40

SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
932	932	17512.89	0.46	560.44	57.83	-13515.90	-0.40
932	933	17512.89	0.46	560.44	57.83	-12871.50	-0.79
933	933	17505.03	0.48	770.86	50.10	-12863.23	0.10
933	934	17505.03	0.48	770.86	50.10	-11976.81	-0.45
934	934	17494.18	0.48	979.54	50.10	-11964.57	-0.45
934	935	17494.18	0.48	979.54	50.10	-10838.10	-0.94
935	935	17481.75	0.48	1190.91	36.82	-10828.44	-0.05
935	936	17481.75	0.48	1190.91	36.82	-9458.77	-0.59
936	936	17466.97	0.48	1397.81	36.82	-9444.55	-0.59
936	937	17466.97	0.48	1397.81	36.82	-7837.11	-1.09
937	937	17450.25	0.39	1608.67	18.33	-7828.44	-0.15
937	938	17450.25	0.39	1608.67	18.33	-5978.44	-0.55
938	938	17431.21	0.39	1814.92	18.33	-5964.47	-0.55
938	939	17431.21	0.39	1814.92	18.33	-3877.35	-0.94
939	939	17410.44	0.31	2024.62	-5.65	-3872.60	0.00
939	940	17410.44	0.31	2024.62	-5.65	-1544.25	-0.35
940	940	17386.97	0.31	2230.59	-5.65	-1533.70	-0.35
940	941	17386.97	0.31	2230.59	-5.65	1031.42	-0.59
941	941	17362.91	0.41	2438.95	-34.94	1027.95	0.69
941	942	17362.91	0.41	2438.95	-34.94	3832.80	0.15
942	942	17282.65	0.41	2634.16	-34.94	3858.52	0.15
942	943	17282.65	0.41	2634.16	-34.94	6887.86	-0.30
943	943	17179.09	0.47	2831.50	-70.86	6887.01	1.04
943	944	17179.09	0.47	2831.50	-70.86	10143.26	0.50
944	944	17073.20	0.47	3018.17	-70.86	10136.57	0.50
944	945	17073.20	0.47	3018.17	-70.86	13607.53	0.00
945	945	17062.36	-3.60	2670.49	-121.01	13556.88	3.07
945	946	17062.36	-3.60	2670.49	-121.01	16629.48	7.28
946	946	25480.16	-3.60	2924.29	-121.01	22464.91	7.28
946	947	25480.16	-3.60	2924.29	-121.01	25829.48	11.35
947	947	25510.86	6.51	2615.78	-174.43	25917.04	9.86
947	948	25510.86	6.51	2615.78	-174.43	28925.31	2.43
948	948	25705.50	6.51	974.00	-174.43	29116.25	2.43
948	949	25705.50	6.51	974.00	-174.43	30236.27	-5.10
949	949	25892.89	1.86	-738.92	-189.35	30411.29	-11.30
949	950	25892.89	1.86	-738.92	-189.35	29561.59	-13.43
950	950	26077.05	1.86	-1858.60	-189.35	29720.21	-13.43
950	951	26077.05	1.86	-1858.60	-189.35	27582.85	-15.66

SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
951	951	26266.19	-12.97	-2159.62	-152.53	27674.57	-42.91
951	952	26266.19	-12.97	-2159.62	-152.53	25189.69	-27.90
952	952	17621.33	-12.97	-2963.68	-152.53	19179.58	-27.90
952	953	17621.33	-12.97	-2963.68	-152.53	15769.57	-13.13
953	953	17627.67	-1.16	-3354.95	-98.71	15835.48	2.78
953	954	17627.67	-1.16	-3354.95	-98.71	11977.20	4.16
954	954	17734.55	-1.16	-3169.87	-98.71	11998.66	4.16
954	955	17734.55	-1.16	-3169.87	-98.71	8353.37	5.50
955	955	17766.90	1.09	-2980.55	-52.92	8368.33	6.49
955	956	17766.90	1.09	-2980.55	-52.92	4940.78	5.25
956	956	17795.88	1.09	-2779.38	-52.92	4936.02	5.25
956	957	17795.88	1.09	-2779.38	-52.92	1739.64	4.11
957	957	17822.49	0.69	-2588.10	-13.48	1746.43	2.97
957	958	17822.49	0.69	-2588.10	-13.48	-1230.08	2.08
958	958	17847.76	0.69	-2384.38	-13.48	-1242.27	2.08
958	959	17847.76	0.69	-2384.38	-13.48	-3984.24	1.34
959	959	17870.53	0.00	-2189.41	18.93	-3985.93	0.05
959	960	17870.53	0.00	-2189.41	18.93	-6503.71	0.05
960	960	17928.53	0.00	-1988.52	18.93	-6548.16	0.05
960	961	17928.53	0.00	-1988.52	18.93	-8834.88	0.00
961	961	18021.06	-0.38	-1797.59	45.19	-8905.30	-1.09
961	962	18021.06	-0.38	-1797.59	45.19	-10972.44	-0.64
962	962	18112.66	-0.38	-1596.14	45.19	-11061.34	-0.64
962	963	18112.66	-0.38	-1596.14	45.19	-12896.97	-0.30
963	963	18201.92	-0.48	-1398.00	65.61	-12983.25	-1.24
963	964	18201.92	-0.48	-1398.00	65.61	-14590.88	-0.64
964	964	18289.32	-0.48	-1193.70	65.61	-14689.64	-0.64
964	965	18289.32	-0.48	-1193.70	65.61	-16062.53	-0.10
965	965	18374.66	-0.47	-990.16	80.62	-16157.97	-0.94
965	966	18374.66	-0.47	-990.16	80.62	-17296.72	-0.40
966	966	18458.28	-0.47	-780.94	80.62	-17400.09	-0.40
966	967	18458.28	-0.47	-780.94	80.62	-18298.26	0.20
967	967	18539.70	-0.44	-571.48	90.44	-18397.52	-0.74
967	968	18539.70	-0.44	-571.48	90.44	-19054.65	-0.35
968	968	18618.96	-0.44	-359.19	90.44	-19157.03	-0.35
968	969	18618.96	-0.44	-359.19	90.44	-19570.16	0.25
969	969	18694.09	-0.39	-154.66	95.14	-19665.36	-0.69
969	970	18694.09	-0.39	-154.66	95.14	-19843.21	-0.30

SANT BOI PRET(t=0): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
970	970	18766.16	-0.39	45.56	95.14	-19936.22	-0.30
970	971	18766.16	-0.39	45.56	95.14	-19883.79	0.20
971	971	18835.81	-0.31	246.15	95.04	-19972.10	-0.69
971	972	18835.81	-0.31	246.15	95.04	-19688.94	-0.40
972	972	18883.03	-0.31	447.76	95.04	-19743.90	-0.40
972	973	18883.03	-0.31	447.76	95.04	-19228.98	0.00
973	973	18798.96	-0.18	644.95	89.94	-19129.93	-0.89
973	974	18798.96	-0.18	644.95	89.94	-18388.40	-0.69
974	974	18713.33	-0.18	839.34	89.94	-18290.68	-0.69
974	975	18713.33	-0.18	839.34	89.94	-17325.37	-0.45
975	975	18624.81	0.05	1033.00	80.72	-17233.89	-1.39
975	976	18624.81	0.05	1033.00	80.72	-16045.88	-1.49
976	976	18534.48	0.05	1224.15	80.72	-15956.14	-1.49
976	977	18534.48	0.05	1224.15	80.72	-14548.26	-1.49
977	977	18441.22	0.36	1415.52	67.84	-14469.32	-2.53
977	978	18441.22	0.36	1415.52	67.84	-12841.62	-2.87
978	978	18346.56	0.36	1602.35	67.84	-12766.10	-2.87
978	979	18346.56	0.36	1602.35	67.84	-10923.34	-3.32
979	979	18249.45	0.13	1788.71	53.07	-10863.67	-5.65
979	980	18249.45	0.13	1788.71	53.07	-8806.69	-5.75
980	980	18150.42	0.13	1971.73	53.07	-8752.08	-5.75
980	981	18150.42	0.13	1971.73	53.07	-6484.54	-5.85
981	981	18108.38	-3.26	1576.77	38.16	-6449.21	-13.18
981	982	18108.38	-3.26	1576.77	38.16	-4634.98	-9.46
982	982	18011.95	-3.26	1755.93	38.16	-4605.00	-9.46
982	983	18011.95	-3.26	1755.93	38.16	-2584.54	-5.70
983	983	17842.69	-0.97	2512.57	19.18	-2575.77	-1.44
983	984	17842.69	-0.97	2512.57	19.18	313.63	-0.30
984	984	17753.29	-0.97	2643.83	19.18	312.49	-0.30
984	985	17753.29	-0.97	2643.83	19.18	3352.92	0.74

5501

TITULO
SANT BOI PRET(t-0): 1.00*Pchuletas

FICHERO DE GEOMETRIA COMPLETA
GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS
1

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
6	869	1138	55	PRET.TXT

Fich	Hipotesis	Caracter	Coeficiente
6	1	1	0.0000
6	2	1	0.0000
6	3	1	0.0000
6	4	1	0.0000
6	5	1	0.0000
6	6	1	0.0000
6	7	1	0.0000
6	8	1	0.0000
6	9	1	0.0000
6	10	1	0.0000
6	11	1	0.0000
6	12	1	0.0000
6	13	1	0.0000
6	14	1	0.0000
6	15	1	0.0000
6	16	1	0.0000
6	17	1	0.0000
6	18	1	0.0000
6	19	1	0.0000
6	20	1	0.0000
6	21	1	0.0000
6	22	1	0.0000
6	23	1	0.0000
6	24	1	0.0000
6	25	1	0.0000
6	26	1	0.0000
6	27	1	0.0000
6	28	1	0.0000
6	29	1	0.0000
6	30	1	0.0000
6	31	1	0.0000
6	32	1	0.0000
6	33	1	0.0000
6	34	1	0.0000
6	35	1	0.0000
6	36	1	0.0000
6	37	1	0.0000
6	38	1	0.0000
6	39	1	0.0000
6	40	1	0.0000
6	41	1	0.0000
6	42	1	0.0000
6	43	1	0.0000
6	44	1	0.0000
6	45	1	0.0000
6	46	1	2.9035
6	47	1	4.6457
6	48	1	2.9035
6	49	1	4.6457
6	50	1	0.0000
6	51	1	0.0000
6	52	1	0.0000
6	53	1	0.0000
6	54	1	0.0000
6	55	1	0.0000

COMBINACION DE ESFUERZOS

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
1	1	0.00	0.00	-0.03	0.00	0.00	0.00
1	2	0.00	0.00	-0.03	0.00	-0.01	0.00
2	2	0.00	0.00	-0.03	0.00	-0.01	0.00
2	3	0.00	0.00	-0.03	0.00	-0.07	0.00
3	3	0.00	0.00	-0.03	0.00	-0.07	0.00
3	4	0.00	0.00	-0.03	0.00	-0.11	0.00
4	4	0.00	0.00	-0.03	0.00	-0.11	0.00
4	5	0.00	0.00	-0.03	0.00	-0.17	0.00
5	5	0.00	0.00	-0.03	0.00	-0.17	0.00
5	6	0.00	0.00	-0.03	0.00	-0.21	0.00
6	6	0.00	0.00	-0.03	0.00	-0.21	0.00
6	7	0.00	0.00	-0.03	0.00	-0.22	0.00
7	7	0.00	0.00	-0.03	0.00	-0.22	0.00
7	8	0.00	0.00	-0.03	0.00	-0.28	0.00
8	8	0.00	0.00	-0.03	0.00	-0.28	0.00
8	9	0.00	0.00	-0.03	0.00	-0.29	0.00
9	9	0.00	0.00	-0.03	0.00	-0.29	0.00
9	10	0.00	0.00	-0.03	0.00	-0.38	0.00
10	10	0.00	0.00	-0.03	0.00	-0.38	0.00
10	11	0.00	0.00	-0.03	0.00	-0.39	0.00
11	11	0.00	0.00	-0.03	0.00	-0.39	0.00
11	12	0.00	0.00	-0.03	0.00	-0.40	0.00
12	12	0.00	0.00	-0.03	0.00	-0.40	0.00
12	13	0.00	0.00	-0.03	0.00	-0.41	0.00
13	13	0.00	0.00	-0.03	0.00	-0.41	0.00
13	14	0.00	0.00	-0.03	0.00	-0.42	0.00
14	14	0.00	0.00	-0.03	0.00	-0.42	0.00
14	15	0.00	0.00	-0.03	0.00	-0.48	0.00
15	15	0.00	0.00	-0.03	0.00	-0.48	0.00
15	16	0.00	0.00	-0.03	0.00	-0.52	0.00
16	16	0.00	0.00	-0.03	0.00	-0.52	0.00
16	17	0.00	0.00	-0.03	0.00	-0.58	0.00
17	17	0.00	0.00	-0.03	0.00	-0.58	0.00
17	18	0.00	0.00	-0.03	0.00	-0.62	0.00
18	18	0.00	0.00	-0.03	0.00	-0.62	0.00
18	19	0.00	0.00	-0.03	0.00	-0.68	0.00

SANT BOI PRET(t-0): 1.30*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
19	19	0.00	0.00	-0.03	0.00	-0.68	0.00
19	20	0.00	0.00	-0.03	0.00	-0.69	0.00
20	20	0.00	0.00	-0.03	0.00	-0.69	0.00
20	21	0.00	0.00	-0.03	0.00	-0.70	0.00
21	21	0.00	0.00	-0.03	0.00	-0.70	0.00
21	22	0.00	0.00	-0.03	0.00	-0.76	0.00
22	22	0.00	0.00	-0.03	0.00	-0.76	0.00
22	23	0.00	0.00	-0.03	0.00	-0.80	0.00
23	23	0.00	0.00	-0.03	0.00	-0.80	0.00
23	24	0.00	0.00	-0.03	0.00	-0.86	0.00
24	24	0.00	0.00	-0.03	0.00	-0.86	0.00
24	25	0.00	0.00	-0.03	0.00	-0.87	-0.03
25	25	0.00	0.00	-0.04	0.00	-0.87	0.00
25	26	0.00	0.00	-0.04	0.00	-0.96	0.00
26	26	0.00	0.00	-0.04	0.00	-0.96	0.00
26	27	0.00	0.00	-0.04	0.00	-0.97	0.00
27	27	-0.03	0.00	-0.04	-0.03	-0.97	0.03
27	28	-0.03	0.00	-0.04	-0.03	-1.01	0.03
28	28	2585.64	0.00	-82.78	-0.03	85.40	0.03
28	29	2585.64	0.00	-82.78	-0.03	-9.90	0.03
29	29	2591.95	0.01	-0.03	0.00	-9.90	0.03
29	30	2591.95	0.01	-0.03	0.00	-9.91	0.03
30	30	2596.95	0.01	-0.03	0.00	-9.91	0.03
30	31	2596.95	0.01	-0.03	0.00	-9.96	0.03
31	31	2601.94	0.01	-0.02	0.00	-9.99	0.03
31	32	2601.94	0.01	-0.02	0.00	-10.00	0.00
32	32	2606.92	0.01	-0.02	0.00	-10.00	0.00
32	33	2606.92	0.01	-0.02	0.00	-10.03	0.00
33	33	2610.58	-0.01	83.51	-0.03	-10.09	-0.03
33	34	2610.58	-0.01	83.51	-0.03	86.04	-0.03
34	34	-0.01	-0.01	-0.03	-0.03	-1.21	-0.03
34	35	-0.01	-0.01	-0.03	-0.03	-1.25	0.00
35	35	0.01	-0.01	-0.02	0.00	-1.25	-0.03
35	36	0.01	-0.01	-0.02	0.00	-1.21	-0.03
36	36	0.01	-0.01	-0.02	0.00	-1.21	-0.03
36	37	0.01	-0.01	-0.02	0.00	-1.29	0.00
37	37	0.00	-0.01	-0.02	0.00	-1.29	0.00
37	38	0.00	-0.01	-0.02	0.00	-1.27	0.00

SANT BOI PRET(t-0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
38	38	0.00	-0.01	-0.02	0.00	-1.27	0.00
38	39	0.00	-0.01	-0.02	0.00	-1.30	0.00
39	39	0.00	0.00	-0.02	0.00	-1.30	0.00
39	40	0.00	0.00	-0.02	0.00	-1.31	0.00
40	40	0.00	0.00	-0.02	0.00	-1.31	0.00
40	41	0.00	0.00	-0.02	0.00	-1.31	0.00
41	41	0.00	0.00	-0.02	0.00	-1.31	0.00
41	42	0.00	0.00	-0.02	0.00	-1.35	0.00
42	42	0.00	0.00	-0.02	0.00	-1.35	0.00
42	43	0.00	0.00	-0.02	0.00	-1.35	0.00
43	43	0.00	0.00	-0.02	0.00	-1.35	0.00
43	44	0.00	0.00	-0.02	0.00	-1.43	0.00
44	44	0.00	0.00	-0.02	0.00	-1.43	0.00
44	45	0.00	0.00	-0.02	0.00	-1.44	0.00
45	45	0.00	0.00	-0.02	0.00	-1.44	0.00
45	46	0.00	0.00	-0.02	0.00	-1.47	0.00
46	46	0.00	0.00	-0.02	0.00	-1.47	0.00
46	47	0.00	0.00	-0.02	0.00	-1.48	0.00
47	47	0.00	0.00	-0.01	0.00	-1.43	0.00
47	48	0.00	0.00	-0.01	0.00	-1.47	0.00
48	48	0.00	0.00	-0.01	0.00	-1.47	0.00
48	49	0.00	0.00	-0.01	0.00	-1.47	0.00
49	49	0.00	0.00	-0.01	0.00	-1.47	0.00
49	50	0.00	0.00	-0.01	0.00	-1.51	0.00
50	50	0.00	0.00	-0.01	0.00	-1.51	0.00
50	51	0.00	0.00	-0.01	0.00	-1.56	0.00
51	51	0.00	0.00	-0.01	0.00	-1.56	0.00
51	52	0.00	0.00	-0.01	0.00	-1.57	0.00
52	52	0.00	0.00	-0.01	0.00	-1.57	0.00
52	53	0.00	0.00	-0.01	0.00	-1.60	0.00
53	53	0.00	0.00	-0.01	0.00	-1.60	0.00
53	54	0.00	0.00	-0.01	0.00	-1.61	0.00
54	54	0.00	0.00	-0.01	0.00	-1.61	0.00
54	55	0.00	0.00	-0.01	0.00	-1.64	0.00
55	55	0.00	0.00	-0.01	0.00	-1.64	0.00
55	56	0.00	0.00	-0.01	0.00	-1.60	0.00
56	56	0.00	0.00	-0.01	0.00	-1.60	0.00
56	57	0.00	0.00	-0.01	0.00	-1.64	0.00

5503

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
57	57	0.00	0.00	-0.01	0.00	-1.64	0.00
57	58	0.00	0.00	-0.01	0.00	-1.69	0.00
58	58	0.00	0.00	-0.01	0.00	-1.69	0.00
58	59	0.00	0.00	-0.01	0.00	-1.72	0.00
59	59	0.00	0.00	-0.02	0.00	-1.72	0.00
59	60	0.00	0.00	-0.02	0.00	-1.73	0.00
60	60	0.00	0.00	-0.02	0.00	-1.73	0.00
60	61	0.00	0.00	-0.02	0.00	-1.77	0.00
61	61	0.00	0.00	-0.02	0.00	-1.77	0.00
61	62	0.00	0.00	-0.02	0.00	-1.77	0.00
62	62	0.00	0.00	-0.02	0.00	-1.77	0.00
62	63	0.00	0.00	-0.02	0.00	-1.81	0.00
63	63	0.00	0.00	-0.02	0.00	-1.81	0.00
63	64	0.00	0.00	-0.02	0.00	-1.81	0.00
64	64	0.00	0.00	-0.02	0.00	-1.81	0.00
64	65	0.00	0.00	-0.02	0.00	-1.89	-0.05
65	65	0.00	0.00	-0.02	0.00	-1.89	0.00
65	66	0.00	0.00	-0.02	0.00	-1.90	0.00
66	66	0.00	0.00	-0.02	0.00	-1.90	0.00
66	67	0.00	0.00	-0.02	0.00	-1.93	0.00
67	67	-0.04	0.00	-0.03	-0.05	-1.93	0.05
67	68	-0.04	0.00	-0.03	-0.05	-1.94	0.05
68	68	4137.11	0.00	-132.42	-0.05	136.32	0.05
68	69	4137.11	0.00	-132.42	-0.05	-16.05	0.05
69	69	4147.22	0.01	-0.01	0.00	-16.05	0.05
69	70	4147.22	0.01	-0.01	0.00	-16.06	0.05
70	70	4155.21	0.01	-0.01	0.00	-16.06	0.05
70	71	4155.21	0.01	-0.01	0.00	-16.09	0.05
71	71	4163.20	0.01	0.03	0.00	-16.14	0.05
71	72	4163.20	0.01	0.03	0.00	-16.07	0.00
72	72	4171.16	0.01	0.03	0.00	-16.12	0.00
72	73	4171.16	0.01	0.03	0.00	-16.07	0.00
73	73	4177.01	-0.01	133.69	-0.05	-16.11	-0.05
73	74	4177.01	-0.01	133.69	-0.05	137.69	-0.05
74	74	-0.02	-0.01	0.02	-0.05	-1.86	-0.05
74	75	-0.02	-0.01	0.02	-0.05	-1.86	0.00
75	75	0.01	-0.02	0.03	0.00	-1.81	-0.05
75	76	0.01	-0.02	0.03	0.00	-1.81	-0.05

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
76	76	0.01	-0.02	0.03	0.00	-1.81	-0.05
76	77	0.01	-0.02	0.03	0.00	-1.72	0.00
77	77	0.00	-0.01	0.03	0.00	-1.72	0.00
77	78	0.00	-0.01	0.03	0.00	-1.72	0.00
78	78	0.00	-0.01	0.03	0.00	-1.72	0.00
78	79	0.00	-0.01	0.03	0.00	-1.64	0.00
79	79	0.00	0.00	0.03	0.00	-1.64	0.00
79	80	0.00	0.00	0.03	0.00	-1.63	0.00
80	80	0.00	0.00	0.03	0.00	-1.63	0.00
80	81	0.00	0.00	0.03	0.00	-1.60	0.00
81	81	0.00	0.00	0.03	0.00	-1.60	0.00
81	82	0.00	0.00	0.03	0.00	-1.59	0.00
82	82	0.00	0.00	0.03	0.00	-1.59	0.00
82	83	0.00	0.00	0.03	0.00	-1.51	0.00
83	83	0.00	0.00	0.03	0.00	-1.51	0.00
83	84	0.00	0.00	0.03	0.00	-1.50	0.00
84	84	0.00	0.00	0.03	0.00	-1.50	0.00
84	85	0.00	0.00	0.03	0.00	-1.45	0.00
85	85	0.00	0.00	0.03	0.00	-1.45	0.00
85	86	0.00	0.00	0.03	0.00	-1.39	0.00
86	86	0.00	0.00	0.03	0.00	-1.39	0.00
86	87	0.00	0.00	0.03	0.00	-1.34	0.00
87	87	0.00	0.00	0.04	0.00	-1.34	0.00
87	88	0.00	0.00	0.04	0.00	-1.30	0.00
88	88	0.00	0.00	0.04	0.00	-1.30	0.00
88	89	0.00	0.00	0.04	0.00	-1.25	0.00
89	89	0.00	0.00	0.04	0.00	-1.25	0.00
89	90	0.00	0.00	0.04	0.00	-1.21	0.00
90	90	0.00	0.00	0.04	0.00	-1.21	0.00
90	91	0.00	0.00	0.04	0.00	-1.16	0.00
91	91	0.00	0.00	0.04	0.00	-1.16	0.00
91	92	0.00	0.00	0.04	0.00	-1.13	0.00
92	92	0.00	0.00	0.04	0.00	-1.13	0.00
92	93	0.00	0.00	0.04	0.00	-1.07	0.00
93	93	0.00	0.00	0.04	0.00	-1.07	0.00
93	94	0.00	0.00	0.04	0.00	-1.11	0.00
94	94	0.00	0.00	0.04	0.00	-1.11	0.00
94	95	0.00	0.00	0.04	0.00	-1.00	0.00

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
95	95	0.00	0.00	0.04	0.00	-1.00	0.00
95	96	0.00	0.00	0.04	0.00	-1.00	0.00
96	96	0.00	0.00	0.04	0.00	-1.00	0.00
96	97	0.00	0.00	0.04	0.00	-0.92	0.00
97	97	0.00	0.00	0.04	0.00	-0.92	0.00
97	98	0.00	0.00	0.04	0.00	-0.91	0.00
98	98	0.00	0.00	0.04	0.00	-0.91	0.00
98	99	0.00	0.00	0.04	0.00	-0.83	0.00
99	99	0.00	0.00	0.03	0.00	-0.83	0.00
99	100	0.00	0.00	0.03	0.00	-0.82	0.00
100	100	0.00	0.00	0.03	0.00	-0.82	0.00
100	101	0.00	0.00	0.03	0.00	-0.74	0.00
101	101	0.00	0.00	0.03	0.00	-0.74	0.00
101	102	0.00	0.00	0.03	0.00	-0.74	0.00
102	102	0.00	0.00	0.03	0.00	-0.74	0.00
102	103	0.00	0.00	0.03	0.00	-0.66	0.00
103	103	0.00	0.00	0.03	0.00	-0.66	0.00
103	104	0.00	0.00	0.03	0.00	-0.70	0.00
104	104	0.00	0.00	0.03	0.00	-0.70	0.00
104	105	0.00	0.00	0.03	0.00	-0.64	-0.03
105	105	0.00	0.00	0.03	0.00	-0.64	0.00
105	106	0.00	0.00	0.03	0.00	-0.61	0.00
106	106	0.00	0.00	0.03	0.00	-0.61	0.00
106	107	0.00	0.00	0.03	0.00	-0.56	0.00
107	107	-0.03	0.00	0.02	-0.03	-0.56	0.03
107	108	-0.03	0.00	0.02	-0.03	-0.52	0.03
108	108	2585.64	0.00	-82.72	-0.03	85.89	0.03
108	109	2585.64	0.00	-82.72	-0.03	-9.27	0.03
109	109	2591.95	0.01	0.03	0.00	-9.27	0.03
109	110	2591.95	0.01	0.03	0.00	-9.23	0.03
110	110	2596.95	0.01	0.03	0.00	-9.23	0.03
110	111	2596.95	0.01	0.03	0.00	-9.18	0.03
111	111	2601.94	0.01	-0.05	0.00	-9.21	0.03
111	112	2601.94	0.01	-0.05	0.00	-9.29	0.00
112	112	2606.92	0.01	-0.05	0.00	-9.32	0.00
112	113	2606.92	0.01	-0.05	0.00	-9.37	0.00
113	113	2610.57	-0.01	83.48	-0.03	-9.40	-0.03
113	114	2610.57	-0.01	83.48	-0.03	86.70	-0.03

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
114	114	-0.01	-0.01	-0.06	-0.03	-0.55	-0.03
114	115	-0.01	-0.01	-0.06	-0.03	-0.63	0.00
115	115	0.01	-0.01	-0.05	0.00	-0.63	-0.03
115	116	0.01	-0.01	-0.05	0.00	-0.67	-0.03
116	116	0.01	-0.01	-0.05	0.00	-0.67	-0.03
116	117	0.01	-0.01	-0.05	0.00	-0.75	0.00
117	117	0.00	-0.01	-0.05	0.00	-0.75	0.00
117	118	0.00	-0.01	-0.05	0.00	-0.78	0.00
118	118	0.00	-0.01	-0.05	0.00	-0.78	0.00
118	119	0.00	-0.01	-0.05	0.00	-0.84	0.00
119	119	0.00	0.00	-0.05	0.00	-0.84	0.00
119	120	0.00	0.00	-0.05	0.00	-0.89	0.00
120	120	0.00	0.00	-0.05	0.00	-0.89	0.00
120	121	0.00	0.00	-0.05	0.00	-0.92	0.00
121	121	0.00	0.00	-0.05	0.00	-0.92	0.00
121	122	0.00	0.00	-0.05	0.00	-1.00	0.00
122	122	0.00	0.00	-0.05	0.00	-1.00	0.00
122	123	0.00	0.00	-0.05	0.00	-1.04	0.00
123	123	0.00	0.00	-0.05	0.00	-1.04	0.00
123	124	0.00	0.00	-0.05	0.00	-1.12	0.00
124	124	0.00	0.00	-0.05	0.00	-1.12	0.00
124	125	0.00	0.00	-0.05	0.00	-1.16	0.00
125	125	0.00	0.00	-0.05	0.00	-1.16	0.00
125	126	0.00	0.00	-0.05	0.00	-1.21	0.00
126	126	0.00	0.00	-0.05	0.00	-1.21	0.00
126	127	0.00	0.00	-0.05	0.00	-1.24	0.00
127	127	0.00	0.00	-0.05	0.00	-1.24	0.00
127	128	0.00	0.00	-0.05	0.00	-1.32	0.00
128	128	0.00	0.00	-0.05	0.00	-1.32	0.00
128	129	0.00	0.00	-0.05	0.00	-1.36	0.00
129	129	0.00	0.00	-0.05	0.00	-1.36	0.00
129	130	0.00	0.00	-0.05	0.00	-1.44	0.00
130	130	0.00	0.00	-0.05	0.00	-1.44	0.00
130	131	0.00	0.00	-0.05	0.00	-1.52	0.00
131	131	0.00	0.00	-0.05	0.00	-1.52	0.00
131	132	0.00	0.00	-0.05	0.00	-1.48	0.00
132	132	0.00	0.00	-0.05	0.00	-1.48	0.00
132	133	0.00	0.00	-0.05	0.00	-1.56	0.00

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
133	133	0.00	0.00	-0.05	0.00	-1.56	0.00
133	134	0.00	0.00	-0.05	0.00	-1.60	0.00
134	134	0.00	0.00	-0.05	0.00	-1.60	0.00
134	135	0.00	0.00	-0.05	0.00	-1.68	0.00
135	135	0.00	0.00	-0.05	0.00	-1.68	0.00
135	136	0.00	0.00	-0.05	0.00	-1.71	0.00
136	136	0.00	0.00	-0.05	0.00	-1.71	0.00
136	137	0.00	0.00	-0.05	0.00	-1.79	0.00
137	137	0.00	0.00	-0.05	0.00	-1.79	0.00
137	138	0.00	0.00	-0.05	0.00	-1.83	0.00
138	138	0.00	0.00	-0.05	0.00	-1.83	0.00
138	139	0.00	0.00	-0.05	0.00	-1.88	0.00
139	139	0.00	0.00	-0.05	0.00	-1.88	0.00
139	140	0.00	0.00	-0.05	0.00	-1.92	0.00
140	140	0.00	0.00	-0.05	0.00	-1.92	0.00
140	141	0.00	0.00	-0.05	0.00	-2.00	0.00
141	141	0.00	0.00	-0.05	0.00	-2.00	0.00
141	142	0.00	0.00	-0.05	0.00	-2.08	0.00
142	142	0.00	0.00	-0.05	0.00	-2.08	0.00
142	143	0.00	0.00	-0.05	0.00	-2.11	-0.05
143	143	0.00	0.00	-0.05	0.00	-2.11	0.00
143	144	0.00	0.00	-0.05	0.00	-2.17	0.00
144	144	0.00	0.00	-0.05	0.00	-2.17	0.00
144	145	0.00	0.00	-0.05	0.00	-2.20	0.00
145	145	-0.04	0.00	-0.06	-0.05	-2.25	0.05
145	146	-0.04	0.00	-0.06	-0.05	-2.33	0.05
146	146	4137.11	0.00	-132.45	-0.05	135.93	0.05
146	147	4137.11	0.00	-132.45	-0.05	-16.44	0.05
147	147	4147.22	0.01	-0.04	0.00	-16.44	0.05
147	148	4147.22	0.01	-0.04	0.00	-16.47	0.05
148	148	4155.21	0.01	-0.04	0.00	-16.52	0.05
148	149	4155.21	0.01	-0.04	0.00	-16.56	0.05
149	149	4163.20	0.01	0.06	0.00	-16.60	0.05
149	150	4163.20	0.01	0.06	0.00	-16.54	0.00
150	150	4171.16	0.01	0.06	0.00	-16.59	0.00
150	151	4171.16	0.01	0.06	0.00	-16.49	0.00
151	151	4177.01	-0.01	133.71	-0.05	-16.54	-0.05
151	152	4177.01	-0.01	133.71	-0.05	137.30	-0.05

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
152	152	-0.02	-0.01	0.05	-0.05	-2.31	-0.05
152	153	-0.02	-0.01	0.05	-0.05	-2.26	0.00
153	153	0.01	-0.02	0.06	0.00	-2.21	-0.05
153	154	0.01	-0.02	0.06	0.00	-2.15	-0.05
154	154	0.01	-0.02	0.06	0.00	-2.15	-0.05
154	155	0.01	-0.02	0.06	0.00	-2.10	0.00
155	155	0.00	-0.01	0.06	0.00	-2.10	0.00
155	156	0.00	-0.01	0.06	0.00	-1.96	0.00
156	156	0.00	-0.01	0.06	0.00	-1.96	0.00
156	157	0.00	-0.01	0.06	0.00	-1.90	0.00
157	157	0.00	0.00	0.06	0.00	-1.90	0.00
157	158	0.00	0.00	0.06	0.00	-1.85	0.00
158	158	0.00	0.00	0.06	0.00	-1.85	0.00
158	159	0.00	0.00	0.06	0.00	-1.79	0.00
159	159	0.00	0.00	0.06	0.00	-1.79	0.00
159	160	0.00	0.00	0.06	0.00	-1.70	0.00
160	160	0.00	0.00	0.06	0.00	-1.70	0.00
160	161	0.00	0.00	0.06	0.00	-1.68	0.00
161	161	0.00	0.00	0.06	0.00	-1.68	0.00
161	162	0.00	0.00	0.06	0.00	-1.59	0.00
162	162	0.00	0.00	0.06	0.00	-1.59	0.00
162	163	0.00	0.00	0.06	0.00	-1.49	0.00
163	163	0.00	0.00	0.06	0.00	-1.49	0.00
163	164	0.00	0.00	0.06	0.00	-1.43	0.00
164	164	0.00	0.00	0.06	0.00	-1.43	0.00
164	165	0.00	0.00	0.06	0.00	-1.34	0.00
165	165	0.00	0.00	0.06	0.00	-1.34	0.00
165	166	0.00	0.00	0.06	0.00	-1.27	0.00
166	166	0.00	0.00	0.06	0.00	-1.27	0.00
166	167	0.00	0.00	0.06	0.00	-1.23	0.00
167	167	0.00	0.00	0.06	0.00	-1.23	0.00
167	168	0.00	0.00	0.06	0.00	-1.16	0.00
168	168	0.00	0.00	0.06	0.00	-1.16	0.00
168	169	0.00	0.00	0.06	0.00	-1.07	0.00
169	169	0.00	0.00	0.06	0.00	-1.07	0.00
169	170	0.00	0.00	0.06	0.00	-1.05	0.00
170	170	0.00	0.00	0.06	0.00	-1.05	0.00
170	171	0.00	0.00	0.06	0.00	-0.96	0.00

SANT BOI PRET(t-0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
171	171	0.00	0.00	0.06	0.00	-0.96	0.00
171	172	0.00	0.00	0.06	0.00	-0.89	0.00
172	172	0.00	0.00	0.06	0.00	-0.89	0.00
172	173	0.00	0.00	0.06	0.00	-0.83	0.00
173	173	0.00	0.00	0.06	0.00	-0.83	0.00
173	174	0.00	0.00	0.06	0.00	-0.74	0.00
174	174	0.00	0.00	0.06	0.00	-0.74	0.00
174	175	0.00	0.00	0.06	0.00	-0.67	0.00
175	175	0.00	0.00	0.06	0.00	-0.67	0.00
175	176	0.00	0.00	0.06	0.00	-0.63	0.00
176	176	0.00	0.00	0.06	0.00	-0.63	0.00
176	177	0.00	0.00	0.06	0.00	-0.56	0.00
177	177	0.00	0.00	0.06	0.00	-0.56	0.00
177	178	0.00	0.00	0.06	0.00	-0.47	0.00
178	178	0.00	0.00	0.06	0.00	-0.47	0.00
178	179	0.00	0.00	0.06	0.00	-0.42	0.00
179	179	0.00	0.00	0.06	0.00	-0.42	0.00
179	180	0.00	0.00	0.06	0.00	-0.36	0.00
180	180	0.00	0.00	0.06	0.00	-0.36	0.00
180	181	0.00	0.00	0.06	0.00	-0.31	0.00
181	181	0.00	0.00	0.06	0.00	-0.31	0.00
181	182	0.00	0.00	0.06	0.00	-0.20	0.00
182	182	0.00	0.00	0.06	0.00	-0.20	0.00
182	183	0.00	0.00	0.06	0.00	-0.11	0.00
183	183	0.00	0.00	0.06	0.00	-0.11	0.00
183	184	0.00	0.00	0.06	0.00	-0.09	0.00
184	184	0.00	0.00	0.06	0.00	-0.09	0.00
184	185	0.00	0.00	0.06	0.00	0.00	0.00

SANT BOI PRET(t-0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
801	801	0.00	0.00	-0.03	0.00	0.00	0.00
801	802	0.00	0.00	-0.03	0.00	-0.01	0.00
802	802	0.00	0.00	-0.03	0.00	-0.01	0.00
802	803	0.00	0.00	-0.03	0.00	-0.07	0.00
803	803	0.00	0.00	-0.03	0.00	-0.07	0.00
803	804	0.00	0.00	-0.03	0.00	-0.11	0.00
804	804	0.00	0.00	-0.03	0.00	-0.11	0.00
804	805	0.00	0.00	-0.03	0.00	-0.17	0.00
805	805	0.00	0.00	-0.03	0.00	-0.17	0.00
805	806	0.00	0.00	-0.03	0.00	-0.21	0.00
806	806	0.00	0.00	-0.03	0.00	-0.21	0.00
806	807	0.00	0.00	-0.03	0.00	-0.27	0.00
807	807	0.00	0.00	-0.03	0.00	-0.27	0.00
807	808	0.00	0.00	-0.03	0.00	-0.28	0.00
808	808	0.00	0.00	-0.03	0.00	-0.28	0.00
808	809	0.00	0.00	-0.03	0.00	-0.29	0.00
809	809	0.00	0.00	-0.03	0.00	-0.29	0.00
809	810	0.00	0.00	-0.03	0.00	-0.35	0.00
810	810	0.00	0.00	-0.03	0.00	-0.35	0.00
810	811	0.00	0.00	-0.03	0.00	-0.39	0.00
811	811	0.00	0.00	-0.03	0.00	-0.39	0.00
811	812	0.00	0.00	-0.03	0.00	-0.45	0.00
812	812	0.00	0.00	-0.03	0.00	-0.45	0.00
812	813	0.00	0.00	-0.03	0.00	-0.41	0.00
813	813	0.00	0.00	-0.03	0.00	-0.41	0.00
813	814	0.00	0.00	-0.03	0.00	-0.47	0.00
814	814	0.00	0.00	-0.03	0.00	-0.47	0.00
814	815	0.00	0.00	-0.03	0.00	-0.51	0.00
815	815	0.00	0.00	-0.03	0.00	-0.51	0.00
815	816	0.00	0.00	-0.03	0.00	-0.52	0.00
816	816	0.00	0.00	-0.03	0.00	-0.52	0.00
816	817	0.00	0.00	-0.03	0.00	-0.61	0.00
817	817	0.00	0.00	-0.03	0.00	-0.61	0.00
817	818	0.00	0.00	-0.03	0.00	-0.62	0.00

5507

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
816	818	0.00	0.00	-0.03	0.00	-0.62	0.00
818	819	0.00	0.00	-0.03	0.00	-0.68	0.00
819	819	0.00	0.00	-0.03	0.00	-0.68	0.00
819	820	0.00	0.00	-0.03	0.00	-0.69	0.00
820	820	0.00	0.00	-0.03	0.00	-0.69	0.00
820	821	0.00	0.00	-0.03	0.00	-0.75	0.00
821	821	0.00	0.00	-0.03	0.00	-0.75	0.00
821	822	0.00	0.00	-0.03	0.00	-0.76	0.00
822	822	0.00	0.00	-0.03	0.00	-0.76	0.00
822	823	0.00	0.00	-0.03	0.00	-0.80	0.00
823	823	0.00	-0.01	-0.03	0.00	-0.80	0.00
823	824	0.00	-0.01	-0.03	0.00	-0.89	0.00
824	824	0.00	-0.01	-0.03	0.00	-0.89	0.00
824	825	0.00	-0.01	-0.03	0.00	-0.90	0.00
825	825	0.00	-0.01	-0.03	0.00	-0.90	0.00
825	826	0.00	-0.01	-0.03	0.00	-0.96	0.03
826	826	0.00	-0.01	-0.03	0.00	-0.96	0.03
826	827	0.00	-0.01	-0.03	0.00	-0.97	0.03
827	827	-0.01	-0.01	-0.03	-0.03	-1.00	0.00
827	828	-0.01	-0.01	-0.03	-0.03	-1.96	0.03
828	828	2585.66	-0.01	-82.77	-0.03	85.35	0.03
828	829	2585.66	-0.01	-82.77	-0.03	-9.84	0.03
829	829	2591.96	0.00	-0.03	0.00	-9.84	0.00
829	830	2591.96	0.00	-0.03	0.00	-9.91	0.00
830	830	2596.95	0.00	-0.03	0.00	-9.91	0.00
830	831	2596.95	0.00	-0.03	0.00	-9.96	0.00
831	831	2601.93	0.01	-0.02	0.00	-9.96	-0.03
831	832	2601.93	0.01	-0.02	0.00	-10.00	-0.03
832	832	2606.91	0.01	-0.02	0.00	-10.00	-0.03
832	833	2606.91	0.01	-0.02	0.00	-10.03	-0.03
833	833	2610.56	0.01	83.53	-0.03	-10.09	-0.03
833	834	2610.56	0.01	83.53	-0.03	86.08	-0.03
834	834	-0.02	0.01	-0.01	-0.03	-1.17	-0.03
834	835	-0.02	0.01	-0.01	-0.03	-1.20	-0.03
835	835	-0.01	0.00	-0.01	0.00	-1.17	0.00
835	836	-0.01	0.00	-0.01	0.00	-1.18	0.00
836	836	-0.01	0.00	-0.01	0.00	-1.18	0.00
836	837	-0.01	0.00	-0.01	0.00	-1.26	0.00

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
837	837	0.00	0.00	-0.02	0.00	-1.26	0.03
837	838	0.00	0.00	-0.02	0.00	-1.27	0.00
838	838	0.00	0.00	-0.02	0.00	-1.27	0.00
838	839	0.00	0.00	-0.02	0.00	-1.30	0.00
839	839	0.00	0.00	-0.02	0.00	-1.30	0.00
839	840	0.00	0.00	-0.02	0.00	-1.31	0.00
840	840	0.00	0.00	-0.02	0.00	-1.31	0.00
840	841	0.00	0.00	-0.02	0.00	-1.31	0.00
841	841	0.00	0.00	-0.02	0.00	-1.31	0.00
841	842	0.00	0.00	-0.02	0.00	-1.35	0.00
842	842	0.00	0.00	-0.02	0.00	-1.35	0.00
842	843	0.00	0.00	-0.02	0.00	-1.35	0.00
843	843	0.00	0.00	-0.02	0.00	-1.35	0.00
843	844	0.00	0.00	-0.02	0.00	-1.43	0.00
844	844	0.00	0.00	-0.02	0.00	-1.43	0.00
844	845	0.00	0.00	-0.02	0.00	-1.39	0.00
845	845	0.00	0.00	-0.02	0.00	-1.39	0.00
845	846	0.00	0.00	-0.02	0.00	-1.43	0.00
846	846	0.00	0.00	-0.02	0.00	-1.43	0.00
846	847	0.00	0.00	-0.02	0.00	-1.43	0.00
847	847	0.00	0.00	-0.02	0.00	-1.43	0.00
847	848	0.00	0.00	-0.02	0.00	-1.47	0.00
848	848	0.00	0.00	-0.02	0.00	-1.47	0.00
848	849	0.00	0.00	-0.02	0.00	-1.47	0.00
849	849	0.00	0.00	-0.02	0.00	-1.47	0.00
849	850	0.00	0.00	-0.02	0.00	-1.51	0.00
850	850	0.00	0.00	-0.02	0.00	-1.51	0.00
850	851	0.00	0.00	-0.02	0.00	-1.56	0.00
851	851	0.00	0.00	-0.02	0.00	-1.56	0.00
851	852	0.00	0.00	-0.02	0.00	-1.60	0.00
852	852	0.00	0.00	-0.02	0.00	-1.60	0.00
852	853	0.00	0.00	-0.02	0.00	-1.60	0.00
853	853	0.00	0.00	-0.02	0.00	-1.60	0.00
853	854	0.00	0.00	-0.02	0.00	-1.64	0.00
854	854	0.00	0.00	-0.02	0.00	-1.64	0.00
854	855	0.00	0.00	-0.02	0.00	-1.64	0.00
855	855	0.00	0.00	-0.02	0.00	-1.64	0.00
855	856	0.00	0.00	-0.02	0.00	-1.68	0.00

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
856	856	0.00	0.00	-0.02	0.00	-1.68	0.00
856	857	0.00	0.00	-0.02	0.00	-1.68	0.00
857	857	0.00	0.00	-0.02	0.00	-1.68	0.00
857	858	0.00	0.00	-0.02	0.00	-1.72	0.00
858	858	0.00	0.00	-0.02	0.00	-1.72	0.00
858	859	0.00	0.00	-0.02	0.00	-1.72	0.00
859	859	0.00	0.00	-0.02	0.00	-1.72	0.00
859	860	0.00	0.00	-0.02	0.00	-1.73	0.00
860	860	0.00	0.00	-0.02	0.00	-1.73	0.00
860	861	0.00	0.00	-0.02	0.00	-1.77	0.00
861	861	0.00	0.00	-0.02	0.00	-1.77	0.00
861	862	0.00	0.00	-0.02	0.00	-1.77	0.00
862	862	0.00	0.00	-0.02	0.00	-1.77	0.00
862	863	0.00	0.00	-0.02	0.00	-1.81	0.00
863	863	0.00	-0.01	-0.02	0.00	-1.81	0.00
863	864	0.00	-0.01	-0.02	0.00	-1.81	0.00
864	864	0.00	-0.01	-0.02	0.00	-1.81	0.00
864	865	0.00	-0.01	-0.02	0.00	-1.85	0.00
865	865	0.00	-0.02	-0.02	0.00	-1.85	0.00
865	866	0.00	-0.02	-0.02	0.00	-1.90	0.05
866	866	0.00	-0.02	-0.02	0.00	-1.90	0.05
866	867	0.00	-0.02	-0.02	0.00	-1.93	0.05
867	867	-0.02	-0.01	0.00	-0.05	-1.98	0.00
867	868	-0.02	-0.01	0.00	-0.05	-1.94	0.05
868	868	4137.13	-0.01	-132.39	-0.05	136.32	0.05
868	869	4137.13	-0.01	-132.39	-0.05	-16.05	0.05
869	869	4147.22	0.00	-0.01	0.00	-16.05	0.00
869	870	4147.22	0.00	-0.01	0.00	-16.06	0.00
870	870	4155.21	0.00	-0.01	0.00	-16.10	0.00
870	871	4155.21	0.00	-0.01	0.00	-16.06	0.00
871	871	4163.18	0.01	0.03	0.00	-16.11	-0.05
871	872	4163.18	0.01	0.03	0.00	-16.07	-0.05
872	872	4171.15	0.01	0.03	0.00	-16.12	-0.05
872	873	4171.15	0.01	0.03	0.00	-16.07	-0.05
873	873	4176.98	0.01	133.71	-0.05	-16.11	-0.05
873	874	4176.98	0.01	133.71	-0.05	137.69	-0.05
874	874	-0.04	0.01	0.04	-0.05	-1.86	-0.05
874	875	-0.04	0.01	0.04	-0.05	-1.81	-0.05

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
875	875	-0.01	0.00	0.04	0.00	-1.81	0.00
875	876	-0.01	0.00	0.04	0.00	-1.78	0.00
876	876	-0.01	0.00	0.04	0.00	-1.78	0.00
876	877	-0.01	0.00	0.04	0.00	-1.72	0.00
877	877	0.00	0.00	0.03	0.00	-1.72	0.05
877	878	0.00	0.00	0.03	0.00	-1.72	0.00
878	878	0.00	0.00	0.03	0.00	-1.72	0.00
878	879	0.00	0.00	0.03	0.00	-1.64	0.00
879	879	0.00	0.00	0.03	0.00	-1.64	0.00
879	880	0.00	0.00	0.03	0.00	-1.63	0.00
880	880	0.00	0.00	0.03	0.00	-1.63	0.00
880	881	0.00	0.00	0.03	0.00	-1.55	0.00
881	881	0.00	0.00	0.03	0.00	-1.55	0.00
881	882	0.00	0.00	0.03	0.00	-1.52	0.00
882	882	0.00	0.00	0.03	0.00	-1.52	0.00
882	883	0.00	0.00	0.03	0.00	-1.43	0.00
883	883	0.00	0.00	0.03	0.00	-1.43	0.00
883	884	0.00	0.00	0.03	0.00	-1.43	0.00
884	884	0.00	0.00	0.03	0.00	-1.43	0.00
884	885	0.00	0.00	0.03	0.00	-1.39	0.00
885	885	0.00	0.00	0.03	0.00	-1.39	0.00
885	886	0.00	0.00	0.03	0.00	-1.39	0.00
886	886	0.00	0.00	0.03	0.00	-1.39	0.00
886	887	0.00	0.00	0.03	0.00	-1.31	0.00
887	887	0.00	0.00	0.03	0.00	-1.31	0.00
887	888	0.00	0.00	0.03	0.00	-1.30	0.00
888	888	0.00	0.00	0.03	0.00	-1.30	0.00
888	889	0.00	0.00	0.03	0.00	-1.25	0.00
889	889	0.00	0.00	0.03	0.00	-1.25	0.00
889	890	0.00	0.00	0.03	0.00	-1.21	0.00
890	890	0.00	0.00	0.03	0.00	-1.21	0.00
890	891	0.00	0.00	0.03	0.00	-1.16	0.00
891	891	0.00	0.00	0.03	0.00	-1.16	0.00
891	892	0.00	0.00	0.03	0.00	-1.17	0.00
892	892	0.00	0.00	0.03	0.00	-1.17	0.00
892	893	0.00	0.00	0.03	0.00	-1.12	0.00
893	893	0.00	0.00	0.03	0.00	-1.12	0.00
893	894	0.00	0.00	0.03	0.00	-1.09	0.00

5509

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
894	894	0.00	0.00	0.03	0.00	-1.09	0.00
894	895	0.00	0.00	0.03	0.00	-1.03	0.00
895	895	0.00	0.00	0.03	0.00	-1.03	0.00
895	896	0.00	0.00	0.03	0.00	-1.00	0.00
896	896	0.00	0.00	0.03	0.00	-1.00	0.00
896	897	0.00	0.00	0.03	0.00	-0.92	0.00
897	897	0.00	0.00	0.03	0.00	-0.92	0.00
897	898	0.00	0.00	0.03	0.00	-0.91	0.00
898	898	0.00	0.00	0.03	0.00	-0.91	0.00
898	899	0.00	0.00	0.03	0.00	-0.83	0.00
899	899	0.00	0.00	0.03	0.00	-0.83	0.00
899	900	0.00	0.00	0.03	0.00	-0.87	0.00
900	900	0.00	0.00	0.03	0.00	-0.87	0.00
900	901	0.00	0.00	0.03	0.00	-0.79	0.00
901	901	0.00	0.00	0.03	0.00	-0.79	0.00
901	902	0.00	0.00	0.03	0.00	-0.78	0.00
902	902	0.00	0.00	0.03	0.00	-0.78	0.00
902	903	0.00	0.00	0.03	0.00	-0.70	0.00
903	903	0.00	-0.01	0.03	0.00	-0.70	0.00
903	904	0.00	-0.01	0.03	0.00	-0.70	0.00
904	904	0.00	-0.01	0.03	0.00	-0.70	0.00
904	905	0.00	-0.01	0.03	0.00	-0.64	0.00
905	905	0.00	-0.01	0.03	0.00	-0.64	0.00
905	906	0.00	-0.01	0.03	0.00	-0.61	0.03
906	906	0.00	-0.01	0.03	0.00	-0.61	0.03
906	907	0.00	-0.01	0.03	0.00	-0.56	0.03
907	907	-0.01	-0.01	0.04	-0.03	-0.59	0.00
907	908	-0.01	-0.01	0.04	-0.03	-0.52	0.03
908	908	2585.66	-0.01	-82.70	-0.03	85.89	0.03
908	909	2585.66	-0.01	-82.70	-0.03	-9.27	0.03
909	909	2591.96	0.00	0.04	0.00	-9.27	0.00
909	910	2591.96	0.00	0.04	0.00	-9.23	0.00
910	910	2596.95	0.00	0.04	0.00	-9.23	0.00
910	911	2596.95	0.00	0.04	0.00	-9.23	0.00
911	911	2601.93	0.01	-0.06	0.00	-9.26	-0.03
911	912	2601.93	0.01	-0.06	0.00	-9.29	-0.03
912	912	2606.91	0.01	-0.06	0.00	-9.29	-0.03
912	913	2606.91	0.01	-0.06	0.00	-9.40	-0.03

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
913	913	2610.56	0.01	83.50	-0.03	-9.43	-0.03
913	914	2610.56	0.01	83.50	-0.03	86.70	-0.03
914	914	-0.02	0.01	-0.04	-0.03	-0.55	-0.03
914	915	-0.02	0.01	-0.04	-0.03	-0.63	-0.03
915	915	-0.01	0.00	-0.04	0.00	-0.63	0.00
915	916	-0.01	0.00	-0.04	0.00	-0.64	0.00
916	916	-0.01	0.00	-0.04	0.00	-0.64	0.00
916	917	-0.01	0.00	-0.04	0.00	-0.72	0.00
917	917	0.00	0.00	-0.05	0.00	-0.72	0.03
917	918	0.00	0.00	-0.05	0.00	-0.75	0.00
918	918	0.00	0.00	-0.05	0.00	-0.75	0.00
918	919	0.00	0.00	-0.05	0.00	-0.84	0.00
919	919	0.00	0.00	-0.05	0.00	-0.84	0.00
919	920	0.00	0.00	-0.05	0.00	-0.84	0.00
920	920	0.00	0.00	-0.05	0.00	-0.84	0.00
920	921	0.00	0.00	-0.05	0.00	-0.92	0.00
921	921	0.00	0.00	-0.05	0.00	-0.92	0.00
921	922	0.00	0.00	-0.05	0.00	-0.96	0.00
922	922	0.00	0.00	-0.05	0.00	-0.96	0.00
922	923	0.00	0.00	-0.05	0.00	-1.04	0.00
923	923	0.00	0.00	-0.05	0.00	-1.04	0.00
923	924	0.00	0.00	-0.05	0.00	-1.12	0.00
924	924	0.00	0.00	-0.05	0.00	-1.12	0.00
924	925	0.00	0.00	-0.05	0.00	-1.16	0.00
925	925	0.00	0.00	-0.05	0.00	-1.16	0.00
925	926	0.00	0.00	-0.05	0.00	-1.24	0.00
926	926	0.00	0.00	-0.05	0.00	-1.24	0.00
926	927	0.00	0.00	-0.05	0.00	-1.24	0.00
927	927	0.00	0.00	-0.05	0.00	-1.24	0.00
927	928	0.00	0.00	-0.05	0.00	-1.32	0.00
928	928	0.00	0.00	-0.05	0.00	-1.32	0.00
928	929	0.00	0.00	-0.05	0.00	-1.36	0.00
929	929	0.00	0.00	-0.05	0.00	-1.36	0.00
929	930	0.00	0.00	-0.05	0.00	-1.44	0.00
930	930	0.00	0.00	-0.05	0.00	-1.44	0.00
930	931	0.00	0.00	-0.05	0.00	-1.47	0.00
931	931	0.00	0.00	-0.05	0.00	-1.47	0.00
931	932	0.00	0.00	-0.05	0.00	-1.56	0.00

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
932	932	0.00	0.00	-0.05	0.00	-1.56	0.00
932	933	0.00	0.00	-0.05	0.00	-1.56	0.00
933	933	0.00	0.00	-0.05	0.00	-1.56	0.00
933	934	0.00	0.00	-0.05	0.00	-1.64	0.00
934	934	0.00	0.00	-0.05	0.00	-1.64	0.00
934	935	0.00	0.00	-0.05	0.00	-1.72	0.00
935	935	0.00	0.00	-0.05	0.00	-1.72	0.00
935	936	0.00	0.00	-0.05	0.00	-1.76	0.00
936	936	0.00	0.00	-0.05	0.00	-1.76	0.00
936	937	0.00	0.00	-0.05	0.00	-1.84	0.00
937	937	0.00	0.00	-0.05	0.00	-1.84	0.00
937	938	0.00	0.00	-0.05	0.00	-1.88	0.00
938	938	0.00	0.00	-0.05	0.00	-1.88	0.00
938	939	0.00	0.00	-0.05	0.00	-1.93	0.00
939	939	0.00	0.00	-0.05	0.00	-1.93	0.00
939	940	0.00	0.00	-0.05	0.00	-1.96	0.00
940	940	0.00	0.00	-0.05	0.00	-1.96	0.00
940	941	0.00	0.00	-0.05	0.00	-2.04	0.00
941	941	0.00	-0.01	-0.05	0.00	-2.04	0.00
941	942	0.00	-0.01	-0.05	0.00	-2.09	0.00
942	942	0.00	-0.01	-0.05	0.00	-2.08	0.00
942	943	0.00	-0.01	-0.05	0.00	-2.16	0.00
943	943	0.00	-0.02	-0.05	0.00	-2.16	0.00
943	944	0.00	-0.02	-0.05	0.00	-2.21	0.05
944	944	0.00	-0.02	-0.05	0.00	-2.21	0.05
944	945	0.00	-0.02	-0.05	0.00	-2.25	0.05
945	945	-0.02	-0.01	-0.04	-0.05	-2.25	0.00
945	946	-0.02	-0.01	-0.04	-0.05	-2.33	0.05
946	946	4137.13	-0.01	-132.43	-0.05	135.93	0.05
946	947	4137.13	-0.01	-132.43	-0.05	-16.44	0.05
947	947	4147.22	0.00	-0.05	0.00	-16.44	0.00
947	948	4147.22	0.00	-0.05	0.00	-16.52	0.00
948	948	4155.21	0.00	-0.05	0.00	-16.52	0.00
948	949	4155.21	0.00	-0.05	0.00	-16.56	0.00
949	949	4163.18	0.01	0.05	0.00	-16.56	-0.05
949	950	4163.18	0.01	0.05	0.00	-16.54	-0.05
950	950	4171.15	0.01	0.05	0.00	-16.59	-0.05
950	951	4171.15	0.01	0.05	0.00	-16.49	-0.05

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
951	951	4176.98	0.01	133.73	-0.05	-16.59	-0.05
951	952	4176.98	0.01	133.73	-0.05	137.30	-0.05
952	952	-0.05	0.01	0.07	-0.05	-2.31	-0.05
952	953	-0.05	0.01	0.07	-0.05	-2.21	-0.05
953	953	-0.01	0.00	0.07	0.00	-2.21	0.00
953	954	-0.01	0.00	0.07	0.00	-2.12	0.00
954	954	-0.01	0.00	0.07	0.00	-2.12	0.00
954	955	-0.01	0.00	0.07	0.00	-2.06	0.00
955	955	0.00	0.00	0.06	0.00	-2.06	0.00
955	956	0.00	0.00	0.06	0.00	-1.96	0.00
956	956	0.00	0.00	0.06	0.00	-1.96	0.00
956	957	0.00	0.00	0.06	0.00	-1.90	0.00
957	957	0.00	0.00	0.06	0.00	-1.90	0.00
957	958	0.00	0.00	0.06	0.00	-1.81	0.00
958	958	0.00	0.00	0.06	0.00	-1.81	0.00
958	959	0.00	0.00	0.06	0.00	-1.74	0.00
959	959	0.00	0.00	0.06	0.00	-1.74	0.00
959	960	0.00	0.00	0.06	0.00	-1.70	0.00
960	960	0.00	0.00	0.06	0.00	-1.70	0.00
960	961	0.00	0.00	0.06	0.00	-1.60	0.00
961	961	0.00	0.00	0.06	0.00	-1.60	0.00
961	962	0.00	0.00	0.06	0.00	-1.54	0.00
962	962	0.00	0.00	0.06	0.00	-1.54	0.00
962	963	0.00	0.00	0.06	0.00	-1.49	0.00
963	963	0.00	0.00	0.06	0.00	-1.49	0.00
963	964	0.00	0.00	0.06	0.00	-1.43	0.00
964	964	0.00	0.00	0.06	0.00	-1.43	0.00
964	965	0.00	0.00	0.06	0.00	-1.34	0.00
965	965	0.00	0.00	0.06	0.00	-1.34	0.00
965	966	0.00	0.00	0.06	0.00	-1.27	0.00
966	966	0.00	0.00	0.06	0.00	-1.27	0.00
966	967	0.00	0.00	0.06	0.00	-1.18	0.00
967	967	0.00	0.00	0.06	0.00	-1.18	0.00
967	968	0.00	0.00	0.06	0.00	-1.13	0.00
968	968	0.00	0.00	0.06	0.00	-1.13	0.00
968	969	0.00	0.00	0.06	0.00	-1.07	0.00
969	969	0.00	0.00	0.06	0.00	-1.07	0.00
969	970	0.00	0.00	0.06	0.00	-1.02	0.00

5511

SANT BOI PRET(t=0): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
970	970	0.00	0.00	0.06	0.00	-1.02	0.00
970	971	0.00	0.00	0.06	0.00	-0.96	0.00
971	971	0.00	0.00	0.06	0.00	-0.96	0.00
971	972	0.00	0.00	0.06	0.00	-0.87	0.00
972	972	0.00	0.00	0.06	0.00	-0.87	0.00
972	973	0.00	0.00	0.06	0.00	-0.88	0.00
973	973	0.00	0.00	0.06	0.00	-0.88	0.00
973	974	0.00	0.00	0.06	0.00	-0.74	0.00
974	974	0.00	0.00	0.06	0.00	-0.74	0.00
974	975	0.00	0.00	0.06	0.00	-0.67	0.00
975	975	0.00	0.00	0.06	0.00	-0.67	0.00
975	976	0.00	0.00	0.06	0.00	-0.63	0.00
976	976	0.00	0.00	0.06	0.00	-0.63	0.00
976	977	0.00	0.00	0.06	0.00	-0.53	0.00
977	977	0.00	0.00	0.06	0.00	-0.53	0.00
977	978	0.00	0.00	0.06	0.00	-0.52	0.00
978	978	0.00	0.00	0.06	0.00	-0.52	0.00
978	979	0.00	0.00	0.06	0.00	-0.42	0.00
979	979	0.00	0.00	0.06	0.00	-0.42	0.00
979	980	0.00	0.00	0.06	0.00	-0.36	0.00
980	980	0.00	0.00	0.06	0.00	-0.36	0.00
980	981	0.00	0.00	0.06	0.00	-0.31	0.00
981	981	0.00	0.00	0.06	0.00	-0.31	0.00
981	982	0.00	0.00	0.06	0.00	-0.20	0.00
982	982	0.00	0.00	0.06	0.00	-0.20	0.00
982	983	0.00	0.00	0.06	0.00	-0.11	0.00
983	983	0.00	0.00	0.06	0.00	-0.11	0.00
983	984	0.00	0.00	0.06	0.00	-0.09	0.00
984	984	0.00	0.00	0.06	0.00	-0.09	0.00
984	985	0.00	0.00	0.06	0.00	0.00	0.00

7.5.1.1.5. Pretensado Total t=∞

TITULO
SANT BOI PRET(t=I): 1.00*P

FICHERO DE GEOMETRIA COMPLETA
GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS
1

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
6	869	1130	55	PRET.TXT

Fich	Hipotesis	Caracter	Coeficiente
6	1	1	7.8291
6	2	1	7.8291
6	3	1	5.8719
6	4	1	5.8719
6	5	1	5.8719
6	6	1	5.8719
6	7	1	7.8291
6	8	1	5.8719
6	9	1	5.8719
6	10	1	5.8719
6	11	1	5.8719
6	12	1	7.3398
6	13	1	7.3398
6	14	1	7.3398
6	15	1	7.3398
6	16	1	7.3398
6	17	1	7.3398
6	18	1	4.8932
6	19	1	4.8932
6	20	1	4.8932
6	21	1	4.8932
6	22	1	4.8932
6	23	1	2.4466
6	24	1	2.4466
6	25	1	0.0000
6	26	1	0.0000
6	27	1	0.0000
6	28	1	0.0000
6	29	1	4.8932
6	30	1	2.4466
6	31	1	2.4466
6	32	1	2.4466
6	33	1	2.4466
6	34	1	4.2121
6	35	1	4.2121
6	36	1	4.2121
6	37	1	4.2121
6	38	1	4.2121
6	39	1	4.2121
6	40	1	4.2121
6	41	1	4.2121
6	42	1	4.2121
6	43	1	4.2121
6	44	1	4.2121
6	45	1	4.2121
6	46	1	2.4680
6	47	1	3.9488
6	48	1	2.4680
6	49	1	3.9488
6	50	1	2.4466
6	51	1	2.4466
6	52	1	4.8932
6	53	1	2.4466
6	54	1	0.0000
6	55	1	0.0000

COMBINACION DE ESFUERZOS

SANT BOI PRET(t=I): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
1	1	39506.27	0.30	-2918.41	4.26	7073.13	1.09
1	2	39566.27	0.30	-2918.41	4.26	3716.88	0.58
2	2	39715.04	0.30	-2755.29	4.26	3719.86	0.58
2	3	39715.04	0.30	-2755.29	4.26	551.28	0.19
3	3	39942.17	-1.65	-1258.26	19.16	534.82	3.59
3	4	39942.17	-1.65	-1258.26	19.16	-913.04	5.47
4	4	40098.94	-1.65	-1033.88	19.16	-952.19	5.47
4	5	40098.94	-1.65	-1033.88	19.16	-2141.88	7.27
5	5	40206.02	0.38	-2088.37	32.94	-2187.53	3.76
5	6	40206.02	0.38	-2088.37	32.94	-4588.95	3.43
6	6	40363.24	0.38	-1860.26	32.94	-4656.45	3.43
6	7	40363.24	0.38	-1860.26	32.94	-6795.81	2.89
7	7	40517.01	0.41	-1625.00	46.33	-6869.83	2.36
7	8	40517.01	0.41	-1625.00	46.33	-8738.46	1.71
8	8	40666.30	0.41	-1390.51	46.33	-8827.18	1.71
8	9	40666.30	0.41	-1390.51	46.33	-10426.24	1.22
9	9	40812.03	0.22	-1150.17	56.25	-10517.63	1.14
9	10	40812.03	0.22	-1150.17	56.25	-11840.32	0.90
10	10	40953.75	0.22	-907.38	56.25	-11939.40	0.90
10	11	40953.75	0.22	-907.38	56.25	-12982.76	0.71
11	11	41091.34	0.09	-661.55	60.71	-13082.10	0.82
11	12	41091.34	0.09	-661.55	60.71	-13843.03	0.70
12	12	41180.75	0.09	-412.79	60.71	-13891.93	0.70
12	13	41180.75	0.09	-412.79	60.71	-14366.40	0.51
13	13	41146.34	0.01	-162.53	58.17	-14254.20	0.54
13	14	41146.34	0.01	-162.53	58.17	-14441.11	0.54
14	14	41112.95	0.01	79.17	58.17	-14328.01	0.54
14	15	41112.95	0.01	79.17	58.17	-14237.29	0.62
15	15	41077.61	-0.03	308.29	48.32	-14127.74	0.89
15	16	41077.61	-0.03	308.29	48.32	-13773.26	0.71
16	16	43013.89	-0.03	536.55	48.32	-10480.43	0.71
16	17	43013.89	-0.03	536.55	48.32	-9863.20	0.61
17	17	42977.33	0.05	760.33	35.05	-9746.96	0.65
17	18	42977.33	0.05	760.33	35.05	-8872.48	0.78
18	18	42937.80	0.05	985.27	35.05	-8751.76	0.78
18	19	42937.80	0.05	985.27	35.05	-7618.64	0.37

SANT BOI PRET(t-I): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
19	19	42895.70	0.29	1201.88	17.89	-7509.24	0.44
19	20	42895.70	0.29	1201.88	17.89	-6126.96	-0.04
20	20	42879.61	0.29	1424.40	17.89	-6060.37	-0.04
20	21	42879.61	0.29	1424.40	17.89	-4422.18	-0.45
21	21	42859.18	0.84	1641.33	-5.45	-4403.74	-0.71
21	22	42859.18	0.84	1641.33	-5.45	-2516.40	-1.80
22	22	42835.76	0.84	1864.53	-5.45	-2490.00	-1.80
22	23	42835.76	0.84	1864.53	-5.45	-345.88	-2.72
23	23	42809.77	1.17	2077.52	-35.25	-334.78	-3.02
23	24	42809.77	1.17	2077.52	-35.25	2054.29	-4.29
24	24	42783.04	1.17	2297.58	-35.25	2071.83	-4.29
24	25	42783.04	1.17	2297.58	-35.25	4714.16	-5.69
25	25	42763.46	-0.58	2498.42	-71.54	4731.07	-4.34
25	26	42763.46	-0.58	2498.42	-71.54	7605.27	-3.63
26	26	42597.38	-0.58	2702.99	-71.54	7619.78	-3.63
26	27	42597.38	-0.58	2702.99	-71.54	10728.45	-2.88
27	27	42558.49	-9.92	1532.44	-115.09	10701.22	9.62
27	28	42558.49	-9.92	1532.44	-115.09	12464.32	21.08
28	28	51860.20	-9.92	1981.85	-115.09	17485.07	21.08
28	29	51860.20	-9.92	1981.85	-115.09	19765.37	32.42
29	29	51744.66	2.73	2658.78	-148.55	19749.03	11.54
29	30	51744.66	2.73	2658.78	-148.55	22806.61	8.64
30	30	51672.50	2.73	855.58	-148.55	22773.21	8.64
30	31	51672.50	2.73	855.58	-148.55	23757.04	5.59
31	31	51586.92	3.67	-533.50	-140.94	23705.74	0.63
31	32	51586.92	3.67	-533.50	-140.94	23092.05	-3.76
32	32	51574.45	3.67	-1457.04	-140.94	23084.67	-3.76
32	33	51574.45	3.67	-1457.04	-140.94	21409.06	-7.80
33	33	51725.27	-3.10	-730.91	-99.58	21502.96	-10.04
33	34	51725.27	-3.10	-730.91	-99.58	20662.24	-6.39
34	34	42230.86	-3.10	-1472.40	-99.58	15534.31	-6.39
34	35	42230.86	-3.10	-1472.40	-99.58	13840.28	-2.95
35	35	42240.32	0.27	-2658.71	-54.81	13897.89	-0.26
35	36	42240.32	0.27	-2658.71	-54.81	10840.39	-0.65
36	36	39851.92	0.27	-2505.12	-54.81	7449.42	-0.65
36	37	39851.92	0.27	-2505.12	-54.81	4568.50	-0.98
37	37	39877.43	0.19	-2332.84	-22.14	4577.33	-0.21
37	38	39877.43	0.19	-2332.84	-22.14	1894.63	-0.41

SANT BOI PRET(t-I): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
38	38	39900.73	0.19	-2165.69	-22.14	1889.70	-0.41
38	39	39900.73	0.19	-2165.69	-22.14	-600.68	-0.62
39	39	39921.90	0.11	-1994.67	3.92	-599.56	0.19
39	40	39921.90	0.11	-1994.67	3.92	-2893.55	0.01
40	40	39942.11	0.11	-1825.48	3.92	-2904.05	0.01
40	41	39942.11	0.11	-1825.48	3.92	-5003.47	0.09
41	41	39960.25	0.17	-1653.36	25.35	-5008.29	0.66
41	42	39960.25	0.17	-1653.36	25.35	-6909.92	0.49
42	42	39977.12	0.17	-1483.60	25.35	-6923.13	0.49
42	43	39977.12	0.17	-1483.60	25.35	-8629.25	-0.02
43	43	39991.93	0.24	-1311.88	42.70	-8636.81	0.56
43	44	39991.93	0.24	-1311.88	42.70	-10145.60	0.42
44	44	40005.47	0.24	-1141.15	42.70	-10159.04	0.42
44	45	40005.47	0.24	-1141.15	42.70	-11471.41	0.01
45	45	40017.07	0.25	-968.22	55.81	-11480.85	0.56
45	46	40017.07	0.25	-968.22	55.81	-12593.85	0.35
46	46	40027.15	0.25	-798.02	55.81	-12605.55	0.35
46	47	40027.15	0.25	-798.02	55.81	-13523.41	0.03
47	47	40035.36	0.23	-625.46	64.03	-13531.20	0.32
47	48	40035.36	0.23	-625.46	64.03	-14250.65	0.27
48	48	40042.05	0.23	-454.12	64.03	-14259.21	0.27
48	49	40042.05	0.23	-454.12	64.03	-14781.30	-0.14
49	49	40046.81	0.22	-281.71	67.32	-14787.62	0.28
49	50	40046.81	0.22	-281.71	67.32	-15111.74	0.25
50	50	40050.05	0.22	-110.73	67.32	-15116.16	0.25
50	51	40050.05	0.22	-110.73	67.32	-15243.62	-0.24
51	51	40050.46	0.19	55.38	64.86	-15246.52	0.25
51	52	40050.46	0.19	55.38	64.86	-15182.89	0.09
52	52	40048.64	0.19	217.76	64.86	-15180.83	0.09
52	53	40048.64	0.19	217.76	64.86	-14930.31	-0.01
53	53	40045.09	0.17	378.26	54.40	-14931.78	0.53
53	54	40045.09	0.17	378.26	54.40	-14496.74	0.20
54	54	40040.11	0.17	540.57	54.40	-14491.08	0.20
54	55	40040.11	0.17	540.57	54.40	-13869.33	0.02
55	55	40021.22	0.17	697.00	35.53	-13874.35	0.56
55	56	40021.22	0.17	697.00	35.53	-13072.83	0.30
56	56	44592.34	0.17	859.09	35.53	-6518.70	0.30
56	57	44592.34	0.17	859.09	35.53	-5530.89	0.12

SANT BOI PRET(t=I): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
57	57	44590.96	0.27	1016.52	16.66	-5515.36	0.54
57	58	44590.96	0.27	1016.52	16.66	-4346.32	0.21
58	58	44588.37	0.27	1178.43	16.66	-4322.05	0.21
58	59	44588.37	0.27	1178.43	16.66	-2966.94	0.09
59	59	44584.14	0.54	1334.65	-3.08	-2950.49	0.26
59	60	44584.14	0.54	1334.65	-3.08	-1415.38	-0.01
60	60	44578.57	0.54	1495.58	-3.08	-1392.00	-0.01
60	61	44578.57	0.54	1495.58	-3.08	327.67	-0.74
61	61	44571.23	1.03	1649.38	-27.78	340.59	-0.74
61	62	44571.23	1.03	1649.38	-27.78	2237.29	-1.81
62	62	44562.70	1.03	1810.12	-27.78	2257.80	-1.81
62	63	44562.70	1.03	1810.12	-27.78	4339.26	-3.02
63	63	44552.97	1.26	1960.91	-57.46	4345.26	-2.65
63	64	44552.97	1.26	1960.91	-57.46	6600.29	-4.00
64	64	44499.71	1.26	2113.91	-57.46	6629.98	-4.00
64	65	44499.71	1.26	2113.91	-57.46	9060.73	-5.70
65	65	44425.45	-0.51	2253.64	-92.63	9064.95	-3.36
65	66	44425.45	-0.51	2253.64	-92.63	11656.72	-2.96
66	66	44350.18	-0.51	2399.64	-92.63	11659.65	-2.96
66	67	44350.18	-0.51	2399.64	-92.63	14419.21	-2.37
67	67	44330.61	-9.74	1115.94	-135.45	14388.16	11.79
67	68	44330.61	-9.74	1115.94	-135.45	15672.10	22.91
68	68	54991.50	-9.74	950.33	-135.45	20756.32	22.91
68	69	54991.50	-9.74	950.33	-135.45	21849.71	34.25
69	69	54865.95	3.20	1793.60	-167.21	21803.68	11.49
69	70	54865.95	3.20	1793.60	-167.21	23866.09	7.78
70	70	54899.80	3.20	578.80	-167.21	23911.56	7.78
70	71	54899.80	3.20	578.80	-167.21	24577.14	4.22
71	71	55080.10	3.87	-424.40	-157.04	24754.95	-1.29
71	72	55080.10	3.87	-424.40	-157.04	24266.88	-5.70
72	72	55248.53	3.87	-1353.53	-157.04	24411.18	-5.70
72	73	55248.53	3.87	-1353.53	-157.04	22854.86	-10.28
73	73	55401.36	-4.33	-508.32	-109.89	22956.06	-12.38
73	74	55401.36	-4.33	-508.32	-109.89	22371.42	-7.45
74	74	44481.05	-4.33	-1295.44	-109.89	17135.71	-7.45
74	75	44481.05	-4.33	-1295.44	-109.89	15645.30	-2.26
75	75	44497.07	-0.09	-2551.83	-58.06	15708.67	-0.92
75	76	44497.07	-0.09	-2551.83	-58.06	12774.12	-0.54

SANT BOI PRET(t=I): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
76	76	39847.95	-0.09	-2398.25	-58.06	6026.79	-0.54
76	77	39847.95	-0.09	-2398.25	-58.06	3268.95	-0.73
77	77	39873.64	-0.01	-2225.60	-21.91	3279.34	-0.34
77	78	39873.64	-0.01	-2225.60	-21.91	719.74	-0.31
78	78	39896.93	-0.01	-2058.46	-21.91	714.82	-0.31
78	79	39896.93	-0.01	-2058.46	-21.91	-1652.46	-0.54
79	79	39918.33	-0.05	-1887.77	4.97	-1651.20	-0.05
79	80	39918.33	-0.05	-1887.77	4.97	-3822.45	-0.02
80	80	39938.54	-0.05	-1718.59	4.97	-3833.00	-0.02
80	81	39938.54	-0.05	-1718.59	4.97	-5809.27	0.31
81	81	39956.85	0.02	-1546.76	26.78	-5814.72	0.33
81	82	39956.85	0.02	-1546.76	26.78	-7593.21	0.29
82	82	39973.70	0.02	-1377.01	26.78	-7606.69	0.29
82	83	39973.70	0.02	-1377.01	26.78	-9190.18	0.27
83	83	39988.76	0.06	-1205.53	43.87	-9198.33	0.24
83	84	39988.76	0.06	-1205.53	43.87	-10584.71	0.25
84	84	40002.31	0.06	-1034.80	43.87	-10598.27	0.25
84	85	40002.31	0.06	-1034.80	43.87	-11788.30	0.16
85	85	40014.13	0.09	-862.07	56.26	-11797.42	0.13
85	86	40014.13	0.09	-862.07	56.26	-12789.02	0.16
86	86	40024.20	0.09	-691.88	56.26	-12800.84	0.16
86	87	40024.20	0.09	-691.88	56.26	-13596.09	-0.03
87	87	40032.62	0.07	-519.53	63.94	-13604.58	0.05
87	88	40032.62	0.07	-519.53	63.94	-14201.98	-0.05
88	88	40039.32	0.07	-348.18	63.94	-14210.44	-0.05
88	89	40039.32	0.07	-348.18	63.94	-14610.91	-0.09
89	89	40044.29	0.03	-175.86	66.82	-14617.41	-0.05
89	90	40044.29	0.03	-175.86	66.82	-14819.40	-0.08
90	90	40047.53	0.03	-4.88	66.82	-14823.82	-0.08
90	91	40047.53	0.03	-4.88	66.82	-14829.49	-0.05
91	91	40048.16	-0.01	161.45	64.22	-14832.48	-0.01
91	92	40048.16	-0.01	161.45	64.22	-14647.01	-0.02
92	92	40046.34	-0.01	323.83	64.22	-14644.76	-0.02
92	93	40046.34	-0.01	323.83	64.22	-14272.36	0.03
93	93	40042.99	-0.01	485.11	55.89	-14273.02	-0.12
93	94	40042.99	-0.01	485.11	55.89	-13715.05	0.16
94	94	40038.02	-0.01	647.42	55.89	-13709.27	0.16
94	95	40038.02	-0.01	647.42	55.89	-12964.76	0.13

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SANT BOI PRET(t=I): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
95	95	40019.37	-0.02	805.30	40.88	-12967.60	0.16
95	96	40019.37	-0.02	805.30	40.88	-12041.74	0.22
96	96	42299.45	-0.02	967.38	40.88	-8759.83	0.22
96	97	42299.45	-0.02	967.38	40.88	-7647.09	0.26
97	97	42294.09	0.07	1124.96	23.90	-7636.69	0.31
97	98	42294.09	0.07	1124.96	23.90	-6343.12	0.20
98	98	42287.29	0.07	1286.87	23.90	-6324.89	0.20
98	99	42287.29	0.07	1286.87	23.90	-4844.89	0.14
99	99	42279.08	0.30	1442.63	3.89	-4835.21	0.08
99	100	42279.08	0.30	1442.63	3.89	-3175.94	-0.25
100	100	42269.31	0.30	1603.56	3.89	-3158.53	-0.25
100	101	42269.31	0.30	1603.56	3.89	-1314.45	-0.74
101	101	42258.00	0.81	1756.99	-21.26	-1308.00	-0.95
101	102	42258.00	0.81	1756.99	-21.26	712.33	-2.05
102	102	42245.30	0.81	1917.73	-21.26	726.72	-2.05
102	103	42245.30	0.81	1917.73	-21.26	2932.30	-2.76
103	103	42231.62	1.09	2068.32	-51.19	2931.73	-2.90
103	104	42231.62	1.09	2068.32	-51.19	5310.49	-4.18
104	104	42174.20	1.09	2221.32	-51.19	5334.19	-4.18
104	105	42174.20	1.09	2221.32	-51.19	7888.54	-5.59
105	105	42095.99	-0.62	2360.84	-86.72	7886.49	-3.90
105	106	42095.99	-0.62	2360.84	-86.72	10601.41	-3.20
106	106	42016.56	-0.62	2506.84	-86.72	10598.38	-3.20
106	107	42016.56	-0.62	2506.84	-86.72	13481.29	-2.44
107	107	41997.64	-9.81	1297.83	-129.14	13443.95	10.98
107	108	41997.64	-9.81	1297.83	-129.14	14937.06	22.55
108	108	51315.86	-9.81	1173.57	-129.14	19957.28	22.55
108	109	51315.86	-9.81	1173.57	-129.14	21307.88	33.71
109	109	51178.17	3.03	1899.41	-160.86	21256.24	11.81
109	110	51178.17	3.03	1899.41	-160.86	23440.40	8.44
110	110	51205.45	3.03	685.56	-160.86	23480.02	8.44
110	111	51205.45	3.03	685.56	-160.86	24268.42	4.81
111	111	51394.41	3.91	-607.73	-150.86	24454.81	-0.26
111	112	51394.41	3.91	-607.73	-150.86	23755.96	-4.98
112	112	51568.57	3.91	-1718.20	-150.86	23903.58	-4.98
112	113	51568.57	3.91	-1718.20	-150.86	21927.55	-9.44
113	113	51715.81	-3.74	-1076.45	-105.47	22009.35	-11.23
113	114	51715.81	-3.74	-1076.45	-105.47	20770.82	-6.80

SANT BOI PRET(t=I): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
114	114	42107.23	-3.74	-1546.89	-105.47	15568.44	-6.80
114	115	42107.23	-3.74	-1546.89	-105.47	13788.65	-2.40
115	115	42121.19	0.24	-2714.70	-58.00	13843.47	-0.29
115	116	42121.19	0.24	-2714.70	-58.00	10721.76	-0.53
116	116	39831.23	0.24	-2543.91	-58.00	7346.12	-0.53
116	117	39831.23	0.24	-2543.91	-58.00	4420.60	-1.02
117	117	39861.03	0.30	-2355.10	-24.13	4429.73	-0.22
117	118	39861.03	0.30	-2355.10	-24.13	1721.33	-0.40
118	118	39886.40	0.30	-2172.82	-24.13	1713.23	-0.40
118	119	39886.40	0.30	-2172.82	-24.13	-785.37	-0.68
119	119	39909.46	0.18	-1985.63	2.51	-787.57	-0.01
119	120	39909.46	0.18	-1985.63	2.51	-3070.91	-0.21
120	120	39931.14	0.18	-1800.44	2.51	-3084.45	-0.21
120	121	39931.14	0.18	-1800.44	2.51	-5154.85	-0.23
121	121	39950.31	0.25	-1612.00	24.31	-5162.45	0.32
121	122	39950.31	0.25	-1612.00	24.31	-7016.58	-0.05
122	122	39967.90	0.25	-1427.06	24.31	-7032.00	-0.05
122	123	39967.90	0.25	-1427.06	24.31	-8672.95	-0.21
123	123	39983.14	0.30	-1237.70	40.88	-8683.11	0.24
123	124	39983.14	0.30	-1237.70	40.88	-10106.29	-0.05
124	124	39996.94	0.30	-1051.39	40.88	-10121.08	-0.05
124	125	39996.94	0.30	-1051.39	40.88	-11330.19	-0.24
125	125	40008.00	0.28	-862.54	52.88	-11339.99	0.17
125	126	40008.00	0.28	-862.54	52.88	-12331.83	-0.05
126	126	40017.45	0.28	-674.79	52.88	-12343.30	-0.05
126	127	40017.45	0.28	-674.79	52.88	-13119.55	-0.37
127	127	40024.48	0.28	-487.15	59.35	-13127.14	0.03
127	128	40024.48	0.28	-487.15	59.35	-13687.27	-0.35
128	128	40029.73	0.28	-299.59	59.35	-13694.19	-0.35
128	129	40029.73	0.28	-299.59	59.35	-14038.64	-0.55
129	129	40032.69	0.25	-112.03	60.15	-14043.99	-0.02
129	130	40032.69	0.25	-112.03	60.15	-14172.91	-0.23
130	130	40032.84	0.25	71.06	60.15	-14173.37	-0.23
130	131	40032.84	0.25	71.06	60.15	-14091.45	-0.40
131	131	40029.86	0.20	247.60	54.54	-14091.71	-0.04
131	132	40029.86	0.20	247.60	54.54	-13806.92	-0.05
132	132	40025.17	0.20	425.37	54.54	-13801.39	-0.05
132	133	40025.17	0.20	425.37	54.54	-13312.17	-0.30

SANT BOI PRET(t-1): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
133	133	40018.44	0.23	599.30	41.56	-13311.61	0.20
133	134	40018.44	0.23	599.30	41.56	-12622.08	0.07
134	134	46423.16	0.23	776.69	41.56	-8887.68	0.07
134	135	46423.16	0.23	776.69	41.56	-7994.55	-0.30
135	135	46456.40	0.32	950.92	26.53	-7973.87	0.29
135	136	46456.40	0.32	950.92	26.53	-6880.19	-0.13
136	136	46456.31	0.32	1126.78	26.53	-6859.75	-0.13
136	137	46456.31	0.32	1126.78	26.53	-5563.92	-0.46
137	137	46453.76	0.57	1299.26	8.47	-5550.33	0.09
137	138	46453.76	0.57	1299.26	8.47	-4055.80	-0.83
138	138	46450.01	0.57	1474.58	8.47	-4035.48	-0.83
138	139	46450.01	0.57	1474.58	8.47	-2340.19	-1.34
139	139	46443.87	1.05	1643.84	-14.65	-2330.12	-1.13
139	140	46443.87	1.05	1643.84	-14.65	-439.53	-2.45
140	140	46436.34	1.05	1818.92	-14.65	-422.23	-2.45
140	141	46436.34	1.05	1818.92	-14.65	1669.40	-3.63
141	141	46427.28	1.34	1984.93	-43.40	1672.44	-3.33
141	142	46427.28	1.34	1984.93	-43.40	3955.08	-4.97
142	142	46371.40	1.34	2150.85	-43.40	3985.31	-4.97
142	143	46371.40	1.34	2150.85	-43.40	6458.65	-6.46
143	143	46294.37	-0.43	2305.33	-77.71	6464.29	-4.38
143	144	46294.37	-0.43	2305.33	-77.71	9115.62	-4.03
144	144	46216.67	-0.43	2464.01	-77.71	9118.27	-4.03
144	145	46216.67	-0.43	2464.01	-77.71	11951.69	-3.34
145	145	46195.68	-9.44	1134.59	-119.25	11919.49	9.42
145	146	46195.68	-9.44	1134.59	-119.25	13224.60	20.53
146	146	56879.61	-9.44	1237.39	-119.25	18310.12	20.53
146	147	56879.61	-9.44	1237.39	-119.25	19734.10	30.94
147	147	56950.33	2.72	2082.18	-150.94	19828.10	10.23
147	148	56950.33	2.72	2082.18	-150.94	22222.48	7.02
148	148	57134.78	2.72	686.66	-150.94	22392.24	7.02
148	149	57134.78	2.72	686.66	-150.94	23181.84	4.00
149	149	57316.43	3.35	-442.69	-143.55	23354.34	-1.56
149	150	57316.43	3.35	-442.69	-143.55	22845.24	-5.54
150	150	57491.91	3.35	-1394.41	-143.55	22987.34	-5.54
150	151	57491.91	3.35	-1394.41	-143.55	21384.03	-9.57
151	151	57651.55	-3.76	-501.85	-102.48	21479.75	-12.63
151	152	57651.55	-3.76	-501.85	-102.48	20902.26	-8.27

SANT BOI PRET(t=1): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
152	152	46765.10	-3.76	-1298.51	-102.48	15682.59	-8.27
152	153	46765.10	-3.76	-1298.51	-102.48	14188.70	-3.96
153	153	46783.90	-0.40	-2626.49	-58.21	14247.50	-2.13
153	154	46783.90	-0.40	-2626.49	-58.21	11227.09	-1.97
154	154	48578.44	-0.40	-2469.17	-58.21	8304.61	-1.97
154	155	48578.44	-0.40	-2469.17	-58.21	5464.91	-1.22
155	155	48606.82	-0.38	-2293.15	-25.91	5474.13	-1.47
155	156	48606.82	-0.38	-2293.15	-25.91	2837.19	-1.12
156	156	48632.47	-0.38	-2122.16	-25.91	2831.85	-1.12
156	157	48632.47	-0.38	-2122.16	-25.91	391.37	-0.50
157	157	48656.52	-0.42	-1947.26	-0.09	391.81	-0.81
157	158	48656.52	-0.42	-1947.26	-0.09	-1847.48	-0.52
158	158	48679.02	-0.42	-1774.10	-0.09	-1859.01	-0.52
158	159	48679.02	-0.42	-1774.10	-0.09	-3899.37	0.17
159	159	48699.92	-0.31	-1598.02	20.92	-3905.14	-0.56
159	160	48699.92	-0.31	-1598.02	20.92	-5743.03	0.01
160	160	48750.26	-0.31	-1427.26	20.92	-5781.86	0.01
160	161	48750.26	-0.31	-1427.26	20.92	-7423.24	0.35
161	161	48830.58	-0.23	-1256.51	38.16	-7487.32	-0.33
161	162	48830.58	-0.23	-1256.51	38.16	-8932.27	-0.12
162	162	48909.47	-0.23	-1085.28	38.16	-9009.12	-0.12
162	163	48909.47	-0.23	-1085.28	38.16	-10257.31	0.32
163	163	48987.05	-0.23	-910.36	51.01	-10334.84	-0.29
163	164	48987.05	-0.23	-910.36	51.01	-11381.63	-0.15
164	164	49062.36	-0.23	-736.71	51.01	-11466.68	-0.15
164	165	49062.36	-0.23	-736.71	51.01	-12313.83	0.38
165	165	49136.67	-0.25	-559.13	59.51	-12399.58	-0.45
165	166	49136.67	-0.25	-559.13	59.51	-13042.55	-0.15
166	166	49208.76	-0.25	-381.29	59.51	-13131.60	-0.15
166	167	49208.76	-0.25	-381.29	59.51	-13569.99	0.28
167	167	49279.72	-0.28	-200.55	63.51	-13658.92	-0.54
167	168	49279.72	-0.28	-200.55	63.51	-13889.71	-0.09
168	168	49348.11	-0.28	-20.11	63.51	-13977.80	-0.09
168	169	49348.11	-0.28	-20.11	63.51	-14000.87	0.23
169	169	49413.76	-0.28	154.48	63.21	-14086.42	-0.53
169	170	49413.76	-0.28	154.48	63.21	-13908.99	-0.14
170	170	49476.00	-0.28	324.67	63.21	-13989.18	-0.14
170	171	49476.00	-0.28	324.67	63.21	-13615.76	0.26

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SANT BOI PRET(t=1): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
171	171	49537.02	-0.25	494.01	58.26	-13695.50	-0.23
171	172	49537.02	-0.25	494.01	58.26	-13127.56	0.07
172	172	49578.14	-0.25	665.38	58.26	-13175.44	0.07
172	173	49578.14	-0.25	665.38	58.26	-12410.17	0.32
173	173	49492.40	-0.17	829.84	49.25	-12334.11	-0.38
173	174	49492.40	-0.17	829.84	49.25	-11379.94	-0.28
174	174	49255.88	-0.17	995.07	49.25	-11336.99	-0.28
174	175	49255.88	-0.17	995.07	49.25	-10192.60	-0.18
175	175	49182.57	0.04	1154.96	36.94	-10116.44	-0.99
175	176	49182.57	0.04	1154.96	36.94	-8788.38	-1.11
176	176	49106.81	0.04	1317.43	36.94	-8710.45	-1.11
176	177	49106.81	0.04	1317.43	36.94	-7195.34	-1.01
177	177	49029.59	0.22	1474.32	22.66	-7129.14	-2.06
177	178	49029.59	0.22	1474.32	22.66	-5433.81	-2.21
178	178	48950.14	0.22	1633.13	22.66	-5367.87	-2.21
178	179	48950.14	0.22	1633.13	22.66	-3489.89	-2.47
179	179	48869.86	-0.22	1785.81	9.64	-3438.46	-3.22
179	180	48869.86	-0.22	1785.81	9.64	-1385.08	-3.08
180	180	48786.71	-0.22	1941.38	9.64	-1336.94	-3.08
180	181	48786.71	-0.22	1941.38	9.64	895.70	-2.76
181	181	48744.81	-2.77	534.97	1.64	929.64	-2.37
181	182	48744.81	-2.77	534.97	1.64	1545.04	0.89
182	182	48663.85	-2.77	687.22	1.64	1572.12	0.89
182	183	48663.85	-2.77	687.22	1.64	2362.75	3.87
183	183	48528.75	-0.07	2393.50	-1.30	2378.88	1.39
183	184	48528.75	-0.07	2393.50	-1.30	5131.35	1.49
184	184	48453.77	-0.07	2505.06	-1.30	5131.94	1.49
184	185	48453.77	-0.07	2505.06	-1.30	8012.52	1.44

SANT BOI PRET(t=1): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
801	801	39556.35	0.04	-2913.93	1.93	7072.47	-1.08
801	802	39556.35	0.04	-2913.93	1.93	3721.30	-0.91
802	802	39705.14	0.04	-2750.81	1.93	3724.24	-0.91
802	803	39705.14	0.04	-2750.81	1.93	560.95	-1.15
803	803	39933.64	-2.97	-1259.68	9.41	540.13	-3.04
803	804	39933.64	-2.97	-1259.68	9.41	-909.35	0.35
804	804	40090.42	-2.97	-1035.30	9.41	-948.75	0.35
804	805	40090.42	-2.97	-1035.30	9.41	-2139.75	3.83
805	805	40196.72	0.05	-2095.43	20.35	-2186.93	4.50
805	806	40196.72	0.05	-2095.43	20.35	-4596.58	4.36
806	806	40353.92	0.05	-1867.30	20.35	-4664.10	4.36
806	807	40353.92	0.05	-1867.30	20.35	-6811.34	4.48
807	807	40507.20	0.62	-1638.98	34.31	-6884.26	4.06
807	808	40507.20	0.62	-1638.98	34.31	-8769.30	3.51
808	808	40656.49	0.62	-1404.51	34.31	-8857.89	3.51
808	809	40656.49	0.62	-1404.51	34.31	-10472.96	2.70
809	809	40801.95	0.39	-1169.90	47.20	-10561.76	2.20
809	810	40801.95	0.39	-1169.90	47.20	-11907.13	1.77
810	810	40943.67	0.39	-927.12	47.20	-12006.18	1.77
810	811	40943.67	0.39	-927.12	47.20	-13072.17	1.41
811	811	41081.10	0.15	-684.72	55.78	-13167.48	1.01
811	812	41081.10	0.15	-684.72	55.78	-13955.05	0.72
812	812	41170.50	0.15	-435.96	55.78	-14003.95	0.72
812	813	41170.50	0.15	-435.96	55.78	-14505.09	0.46
813	813	41136.03	0.02	-186.06	58.83	-14388.31	0.46
813	814	41136.03	0.02	-186.06	58.83	-14602.29	0.35
814	814	41102.61	0.02	55.64	58.83	-14489.11	0.35
814	815	41102.61	0.02	55.64	58.83	-14425.27	0.46
815	815	41067.23	0.00	288.24	54.05	-14311.33	0.23
815	816	41067.23	0.00	288.24	54.05	-13979.87	0.23
816	816	43003.51	0.00	516.50	54.05	-10687.03	0.23
816	817	43003.51	0.00	516.50	54.05	-10093.05	0.34
817	817	42966.89	0.01	746.36	41.00	-9975.15	0.10
817	818	42966.89	0.01	746.36	41.00	-9116.79	0.20

SANT BOI PRET(t=I): 1.00*P

BAR.	NUDO	Fx [kN]	Fy [kN]	Fz [kN]	Mx (m.kN)	My (m.kN)	Mz (m.kN)
818	818	42927.37	0.01	971.30	41.00	-8996.09	0.20
818	819	42927.37	0.01	971.30	41.00	-7879.10	0.17
819	819	42885.28	-0.01	1195.16	24.35	-7768.19	0.08
819	820	42885.28	-0.01	1195.16	24.35	-6393.65	0.10
820	820	42869.19	-0.01	1417.67	24.35	-6327.06	0.10
820	821	42869.19	-0.01	1417.67	24.35	-4696.86	0.19
821	821	42848.85	-0.01	1643.90	4.13	-4675.87	0.11
821	822	42848.85	-0.01	1643.90	4.13	-2785.24	0.09
822	822	42825.42	-0.01	1867.10	4.13	-2758.89	0.09
822	823	42825.42	-0.01	1867.10	4.13	-611.78	0.15
823	823	42799.61	0.10	2091.64	-20.46	-597.38	0.45
823	824	42799.61	0.10	2091.64	-20.46	1807.94	0.39
824	824	42772.87	0.10	2311.70	-20.46	1825.40	0.39
824	825	42772.87	0.10	2311.70	-20.46	4483.90	0.21
825	825	42693.97	0.03	2527.58	-50.35	4504.00	0.33
825	826	42693.97	0.03	2527.58	-50.35	7410.38	0.43
826	826	42587.89	0.03	2731.14	-50.35	7424.91	0.43
826	827	42587.89	0.03	2731.14	-50.35	10565.92	0.29
827	827	42553.96	-3.92	1580.69	-91.47	10538.35	1.20
827	828	42553.96	-3.92	1580.69	-91.47	12357.18	5.77
828	828	51855.67	-3.92	2030.11	-91.47	17377.84	5.77
828	829	51855.67	-3.92	2030.11	-91.47	19713.66	10.32
829	829	51735.70	3.10	2726.37	-134.55	19687.43	8.63
829	830	51735.70	3.10	2726.37	-134.55	22822.83	5.05
830	830	51663.55	3.10	923.17	-134.55	22789.49	5.05
830	831	51663.55	3.10	923.17	-134.55	23850.88	1.45
831	831	51575.87	3.13	-476.96	-147.20	23782.98	-3.56
831	832	51575.87	3.13	-476.96	-147.20	23234.42	-7.02
832	832	51563.42	3.13	-1400.49	-147.20	23227.08	-7.02
832	833	51563.42	3.13	-1400.49	-147.20	21616.48	-10.83
833	833	51709.98	-9.49	-691.93	-120.17	21697.84	-31.53
833	834	51709.98	-9.49	-691.93	-120.17	20901.57	-20.79
834	834	42215.59	-9.49	-1433.43	-120.17	15773.70	-20.79
834	835	42215.59	-9.49	-1433.43	-120.17	14124.84	-9.93
835	835	42230.39	-0.38	-2640.02	-78.39	14178.76	3.45
835	836	42230.39	-0.38	-2640.02	-78.39	11142.72	3.91
836	836	39841.99	-0.38	-2486.44	-78.39	7751.71	3.91
836	837	39841.99	-0.38	-2486.44	-78.39	4892.12	4.41

SANT BOI PRET(t-I): 1.00*P

BAR.	NUDO	Fx [kN]	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
837	837	39868.75	1.31	-2329.79	-39.31	4904.57	6.16
837	838	39868.75	1.31	-2329.79	-39.31	2225.51	4.72
838	838	39892.04	1.31	-2162.64	-39.31	2220.64	4.72
838	839	39892.04	1.31	-2162.64	-39.31	-266.33	3.15
839	839	39913.98	1.04	-2004.07	-6.97	-261.33	3.43
839	840	39913.98	1.04	-2004.07	-6.97	-2566.00	2.03
840	840	39934.16	1.04	-1834.89	-6.97	-2576.58	2.03
840	841	39934.16	1.04	-1834.89	-6.97	-4686.90	1.03
841	841	39952.95	0.52	-1672.95	18.64	-4688.36	1.26
841	842	39952.95	0.52	-1672.95	18.64	-6612.55	0.54
842	842	39969.82	0.52	-1503.20	18.64	-6625.81	0.54
842	843	39969.82	0.52	-1503.20	18.64	-8354.20	-0.15
843	843	39985.17	0.23	-1339.44	38.08	-8359.39	0.33
843	844	39985.17	0.23	-1339.44	38.08	-9899.99	-0.14
844	844	39998.72	0.23	-1168.71	38.08	-9913.54	-0.14
844	845	39998.72	0.23	-1168.71	38.08	-11257.51	-0.24
845	845	40010.83	0.14	-1001.65	52.31	-11263.96	0.18
845	846	40010.83	0.14	-1001.65	52.31	-12415.65	-0.12
846	846	40020.90	0.14	-831.46	52.31	-12427.31	-0.12
846	847	40020.90	0.14	-831.46	52.31	-13383.80	-0.30
847	847	40029.60	0.14	-662.80	61.42	-13389.25	0.25
847	848	40029.60	0.14	-662.80	61.42	-14151.62	0.21
848	848	40036.29	0.14	-491.45	61.42	-14159.99	0.21
848	849	40036.29	0.14	-491.45	61.42	-14725.11	-0.08
849	849	40041.51	0.17	-320.80	65.66	-14728.85	0.40
849	850	40041.51	0.17	-320.80	65.66	-15097.73	0.21
850	850	40044.75	0.17	-149.83	65.66	-15102.06	0.21
850	851	40044.75	0.17	-149.83	65.66	-15274.33	-0.09
851	851	40045.66	0.19	16.81	65.17	-15274.00	0.35
851	852	40045.66	0.19	16.81	65.17	-15254.69	0.34
852	852	40043.83	0.19	179.18	65.17	-15252.55	0.34
852	853	40043.83	0.19	179.18	65.17	-15046.57	0.05
853	853	40040.72	0.20	342.93	59.77	-15042.91	0.38
853	854	40040.72	0.20	342.93	59.77	-14648.44	0.28
854	854	40035.74	0.20	505.24	59.77	-14642.68	0.28
854	855	40035.74	0.20	505.24	59.77	-14061.61	-0.06
855	855	40017.35	0.21	669.36	46.85	-14061.84	0.49
855	856	40017.35	0.21	669.36	46.85	-13291.97	0.02

SANT BOI PRET(t=I): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
856	856	44588.49	0.21	831.44	46.85	-6737.85	0.02
856	857	44588.49	0.21	831.44	46.85	-5781.73	-0.29
857	857	44587.58	0.22	998.40	25.11	-5766.75	0.30
857	858	44587.58	0.22	998.40	25.11	-4618.41	-0.02
858	858	44585.00	0.22	1160.31	25.11	-4594.12	-0.02
858	859	44585.00	0.22	1160.31	25.11	-3259.65	-0.39
859	859	44581.34	0.08	1325.40	3.26	-3243.57	0.22
859	860	44581.34	0.08	1325.40	3.26	-1719.27	0.02
860	860	44575.77	0.08	1486.33	3.26	-1695.90	0.02
860	861	44575.77	0.08	1486.33	3.26	13.49	-0.02
861	861	44569.11	0.00	1650.03	-19.33	27.79	0.49
861	862	44569.11	0.00	1650.03	-19.33	1925.45	0.40
862	862	44560.58	0.00	1810.77	-19.33	1945.86	0.40
862	863	44560.58	0.00	1810.77	-19.33	4028.32	0.41
863	863	44551.70	0.04	1973.01	-44.38	4036.81	1.26
863	864	44551.70	0.04	1973.01	-44.38	6305.46	1.19
864	864	44498.44	0.04	2126.02	-44.38	6335.26	1.19
864	865	44498.44	0.04	2126.02	-44.38	8780.39	1.30
865	865	44425.49	0.14	2279.07	-74.20	8786.94	2.11
865	866	44425.49	0.14	2279.07	-74.20	11407.75	2.17
866	866	44350.20	0.14	2425.07	-74.20	11410.66	2.17
866	867	44350.20	0.14	2425.07	-74.20	14199.53	1.89
867	867	44336.32	-2.68	1160.78	-114.91	14167.51	5.66
867	868	44336.32	-2.68	1160.78	-114.91	15502.94	8.68
868	868	54997.22	-2.68	995.18	-114.91	20587.17	8.68
868	869	54997.22	-2.68	995.18	-114.91	21732.05	11.64
869	869	54866.47	4.48	1856.90	-155.41	21676.46	8.90
869	870	54866.47	4.48	1856.90	-155.41	23811.96	3.93
870	870	54900.31	4.48	642.10	-155.41	23857.33	3.93
870	871	54900.31	4.48	642.10	-155.41	24595.75	-1.38
871	871	55077.75	2.58	-358.19	-163.37	24758.09	-7.11
871	872	55077.75	2.58	-358.19	-163.37	24346.10	-10.00
872	872	55246.19	2.58	-1287.31	-163.37	24490.34	-10.00
872	873	55246.19	2.58	-1287.31	-163.37	23009.86	-12.89
873	873	55393.75	-11.13	-461.60	-131.65	23098.25	-36.40
873	874	55393.75	-11.13	-461.60	-131.65	22566.93	-23.63
874	874	44473.46	-11.13	-1248.72	-131.65	17331.26	-23.63
874	875	44473.46	-11.13	-1248.72	-131.65	15894.77	-10.76

SANT BOI PRET(t=I): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
875	875	44495.03	-0.61	-2528.45	-85.37	15953.49	3.79
875	876	44495.03	-0.61	-2528.45	-85.37	13045.75	4.58
876	876	39845.91	-0.61	-2374.86	-85.37	6298.41	4.58
876	877	39845.91	-0.61	-2374.86	-85.37	3567.66	5.41
877	877	39872.52	1.36	-2219.98	-40.43	3582.69	7.12
877	878	39872.52	1.36	-2219.98	-40.43	1029.70	5.37
878	878	39895.82	1.36	-2052.83	-40.43	1024.75	5.37
878	879	39895.82	1.36	-2052.83	-40.43	-1335.94	3.71
879	879	39917.57	1.04	-1895.24	-5.11	-1329.62	3.58
879	880	39917.57	1.04	-1895.24	-5.11	-3509.27	2.44
880	880	39937.77	1.04	-1726.06	-5.11	-3519.78	2.44
880	881	39937.77	1.04	-1726.06	-5.11	-5504.78	1.33
881	881	39956.32	0.39	-1564.42	21.30	-5506.27	0.84
881	882	39956.32	0.39	-1564.42	21.30	-7305.06	0.54
882	882	39973.20	0.39	-1394.66	21.30	-7318.30	0.54
882	883	39973.20	0.39	-1394.66	21.30	-8922.24	-0.18
883	883	39988.36	0.06	-1230.86	40.35	-8927.67	-0.18
883	884	39988.36	0.06	-1230.86	40.35	-10343.32	-0.32
884	884	40001.90	0.06	-1060.13	40.35	-10356.84	-0.32
884	885	40001.90	0.06	-1060.13	40.35	-11575.92	-0.45
885	885	40013.79	-0.03	-892.92	53.99	-11582.62	-0.43
885	886	40013.79	-0.03	-892.92	53.99	-12609.86	-0.19
886	886	40023.87	-0.03	-722.73	53.99	-12621.60	-0.19
886	887	40023.87	-0.03	-722.73	53.99	-13452.48	-0.12
887	887	40032.32	-0.02	-553.82	62.39	-13458.70	-0.31
887	888	40032.32	-0.02	-553.82	62.39	-14095.31	-0.14
888	888	40039.01	-0.02	-382.48	62.39	-14103.87	-0.14
888	889	40039.01	-0.02	-382.48	62.39	-14543.61	0.10
889	889	40044.04	0.02	-211.60	66.02	-14547.78	0.11
889	890	40044.04	0.02	-211.60	66.02	-14791.12	-0.02
890	890	40047.27	0.02	-40.62	66.02	-14795.51	-0.02
890	891	40047.27	0.02	-40.62	66.02	-14842.00	-0.09
891	891	40047.93	0.05	126.36	65.15	-14842.24	-0.05
891	892	40047.93	0.05	126.36	65.15	-14696.88	-0.08
892	892	40046.10	0.05	288.74	65.15	-14694.77	-0.08
892	893	40046.10	0.05	288.74	65.15	-14362.66	-0.08
893	893	40042.81	0.05	452.97	59.73	-14359.59	0.07
893	894	40042.81	0.05	452.97	59.73	-13838.81	-0.01

SANT BOI PRET(t=1): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
894	894	40037.83	0.05	615.28	59.73	-13833.09	-0.01
894	895	40037.83	0.05	615.28	59.73	-13125.35	-0.02
895	895	40019.25	0.07	779.26	48.13	-13124.59	-0.08
895	896	40019.25	0.07	779.26	48.13	-12228.50	-0.03
896	896	42299.34	0.07	941.34	48.13	-8946.40	-0.03
896	897	42299.34	0.07	941.34	48.13	-7863.97	-0.17
897	897	42294.00	0.07	1106.87	30.32	-7852.52	-0.12
897	898	42294.00	0.07	1106.87	30.32	-6579.75	-0.24
898	898	42287.21	0.07	1268.78	30.32	-6561.53	-0.24
898	899	42287.21	0.07	1268.78	30.32	-5102.38	-0.31
899	899	42279.13	-0.01	1433.08	10.47	-5091.08	-0.10
899	900	42279.13	-0.01	1433.08	10.47	-3443.15	-0.15
900	900	42269.37	-0.01	1594.01	10.47	-3425.69	-0.15
900	901	42269.37	-0.01	1594.01	10.47	-1592.60	0.05
901	901	42258.28	-0.09	1757.51	-11.76	-1583.90	0.18
901	902	42258.28	-0.09	1757.51	-11.76	436.86	-0.03
902	902	42245.57	-0.09	1918.25	-11.76	451.30	-0.03
902	903	42245.57	-0.09	1918.25	-11.76	2657.49	0.42
903	903	42232.29	-0.04	2080.60	-37.54	2659.75	0.53
903	904	42232.29	-0.04	2080.60	-37.54	5052.19	0.56
904	904	42174.86	-0.04	2233.61	-37.54	5076.02	0.56
904	905	42174.86	-0.04	2233.61	-37.54	7644.63	0.88
905	905	42097.53	-0.03	2386.79	-67.83	7645.05	1.17
905	906	42097.53	-0.03	2386.79	-67.83	10389.75	1.15
906	906	42018.10	-0.03	2532.79	-67.83	10386.62	1.15
906	907	42018.10	-0.03	2532.79	-67.83	13299.72	1.34
907	907	42004.56	-3.34	1343.30	-108.84	13261.72	3.76
907	908	42004.56	-3.34	1343.30	-108.84	14807.11	7.99
908	908	51322.78	-3.34	1219.02	-108.84	19827.33	7.99
908	909	51322.78	-3.34	1219.02	-108.84	21229.96	11.90
909	909	51180.25	3.35	1963.47	-149.98	21168.36	8.89
909	910	51180.25	3.35	1963.47	-149.98	23426.31	4.90
910	910	51207.53	3.35	749.62	-149.98	23466.00	4.90
910	911	51207.53	3.35	749.62	-149.98	24327.99	1.43
911	911	51394.25	3.30	-549.47	-159.00	24498.14	-4.42
911	912	51394.25	3.30	-549.47	-159.00	23866.39	-8.24
912	912	51568.41	3.30	-1659.94	-159.00	24013.98	-8.24
912	913	51568.41	3.30	-1659.94	-159.00	22105.08	-12.08

SANT BOI PRET(t=1): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
913	913	51711.42	-10.25	-1037.38	-127.46	22174.72	-34.20
913	914	51711.42	-10.25	-1037.38	-127.46	20980.97	-22.56
914	914	42102.85	-10.25	-1507.80	-127.46	15778.58	-22.56
914	915	42102.85	-10.25	-1507.80	-127.46	14043.92	-10.75
915	915	42122.45	-0.35	-2697.55	-82.23	14096.43	3.61
915	916	42122.45	-0.35	-2697.55	-82.23	10994.26	4.11
916	916	39832.49	-0.35	-2526.76	-82.23	7618.71	4.11
916	917	39832.49	-0.35	-2526.76	-82.23	4712.49	4.53
917	917	39863.64	1.50	-2354.15	-41.55	4725.61	6.74
917	918	39863.64	1.50	-2354.15	-41.55	2018.29	4.85
918	918	39889.02	1.50	-2171.88	-41.55	2010.38	4.85
918	919	39889.02	1.50	-2171.88	-41.55	-487.26	3.24
919	919	39912.94	1.17	-1997.37	-8.22	-484.63	3.39
919	920	39912.94	1.17	-1997.37	-8.22	-2781.72	1.94
920	920	39934.63	1.17	-1812.19	-8.22	-2795.23	1.94
920	921	39934.63	1.17	-1812.19	-8.22	-4879.23	0.76
921	921	39954.51	0.59	-1633.90	17.42	-4883.14	0.86
921	922	39954.51	0.59	-1633.90	17.42	-6762.20	0.25
922	922	39972.11	0.59	-1448.94	17.42	-6777.65	0.25
922	923	39972.11	0.59	-1448.94	17.42	-8443.85	-0.55
923	923	39988.02	0.27	-1267.34	36.56	-8450.97	-0.07
923	924	39988.02	0.27	-1267.34	36.56	-9908.56	-0.37
924	924	40001.81	0.27	-1081.03	36.56	-9923.29	-0.37
924	925	40001.81	0.27	-1081.03	36.56	-11166.33	-0.80
925	925	40013.48	0.19	-897.57	49.83	-11173.70	-0.19
925	926	40013.48	0.19	-897.57	49.83	-12205.50	-0.40
926	926	40022.93	0.19	-709.80	49.83	-12217.06	-0.40
926	927	40022.93	0.19	-709.80	49.83	-13033.25	-0.59
927	927	40030.55	0.19	-525.34	57.76	-13038.40	0.10
927	928	40030.55	0.19	-525.34	57.76	-13642.58	-0.28
928	928	40035.80	0.19	-337.78	57.76	-13649.46	-0.28
928	929	40035.80	0.19	-337.78	57.76	-14037.94	-0.30
929	929	40039.34	0.23	-151.13	60.25	-14039.87	0.09
929	930	40039.34	0.23	-151.13	60.25	-14213.66	-0.29
930	930	40039.47	0.23	31.96	60.25	-14214.00	-0.29
930	931	40039.47	0.23	31.96	60.25	-14177.33	-0.50
931	931	40037.08	0.23	210.18	58.22	-14173.37	0.01
931	932	40037.08	0.23	210.18	58.22	-13931.51	-0.08

SANT BOI PRET(t=1): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
932	932	40032.40	0.23	387.95	58.22	-13926.06	-0.08
932	933	40032.40	0.23	387.95	58.22	-13479.96	-0.42
933	933	40026.29	0.26	567.05	49.36	-13475.31	0.02
933	934	40026.29	0.26	567.05	49.36	-12823.24	-0.34
934	934	46431.01	0.26	744.43	49.36	-9088.72	-0.34
934	935	46431.01	0.26	744.43	49.36	-8232.63	-0.67
935	935	46464.85	0.28	925.85	33.07	-8210.87	-0.09
935	936	46464.85	0.28	925.85	33.07	-7146.09	-0.49
936	936	46464.75	0.28	1101.71	33.07	-7125.54	-0.49
936	937	46464.75	0.28	1101.71	33.07	-5858.73	-0.88
937	937	46462.86	0.18	1281.89	15.25	-5843.86	-0.19
937	938	46462.86	0.18	1281.89	15.25	-4369.56	-0.45
938	938	46459.10	0.18	1457.20	15.25	-4349.17	-0.45
938	939	46459.10	0.18	1457.20	15.25	-2673.58	-0.52
939	939	46453.73	0.14	1635.78	-5.46	-2661.23	-0.08
939	940	46453.73	0.14	1635.78	-5.46	-780.30	-0.25
940	940	46446.17	0.14	1810.86	-5.46	-763.03	-0.25
940	941	46446.17	0.14	1810.86	-5.46	1319.79	-0.10
941	941	46437.96	0.18	1988.02	-29.63	1325.36	0.42
941	942	46437.96	0.18	1988.02	-29.63	3611.61	0.20
942	942	46382.09	0.18	2153.95	-29.63	3641.87	0.20
942	943	46382.09	0.18	2153.95	-29.63	6118.86	0.08
943	943	46306.23	0.27	2321.62	-58.46	6127.09	1.11
943	944	46306.23	0.27	2321.62	-58.46	8796.86	0.58
944	944	46228.54	0.27	2480.29	-58.46	8799.56	0.58
944	945	46228.54	0.27	2480.29	-58.46	11651.91	0.25
945	945	46212.40	-2.82	1169.20	-97.51	11618.91	2.84
945	946	46212.40	-2.82	1169.20	-97.51	12964.33	6.13
946	946	56896.34	-2.82	1272.01	-97.51	18049.82	6.13
946	947	56896.34	-2.82	1272.01	-97.51	19513.32	9.24
947	947	56962.48	4.77	2135.57	-137.69	19597.84	7.90
947	948	56962.48	4.77	2135.57	-137.69	22053.90	2.41
948	948	57146.93	4.77	740.06	-137.69	22223.67	2.41
948	949	57146.93	4.77	740.06	-137.69	23074.59	-3.06
949	949	57325.39	1.65	-371.01	-148.42	23231.75	-8.19
949	950	57325.39	1.65	-371.01	-148.42	22805.08	-10.14
950	950	57500.88	1.65	-1322.74	-148.42	22947.15	-10.14
950	951	57500.88	1.65	-1322.74	-148.42	21426.27	-12.10

SANT BOI PRET(t=1): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
951	951	57654.41	-10.17	-447.08	-120.98	21509.57	-33.63
951	952	57654.41	-10.17	-447.08	-120.98	20995.27	-22.00
952	952	46767.96	-10.17	-1243.75	-120.98	15775.67	-22.00
952	953	46767.96	-10.17	-1243.75	-120.98	14344.51	-10.39
953	953	46791.64	-0.86	-2592.24	-79.88	14399.57	2.30
953	954	46791.64	-0.86	-2592.24	-79.88	11410.59	3.38
954	954	48586.18	-0.86	-2434.93	-79.88	8496.04	3.38
954	955	48586.18	-0.86	-2434.93	-79.88	5695.73	4.32
955	955	48614.75	0.90	-2274.15	-42.06	5707.29	5.28
955	956	48614.75	0.90	-2274.15	-42.06	3092.27	4.04
956	956	48640.40	0.90	-2103.15	-42.06	3087.01	4.04
956	957	48640.40	0.90	-2103.15	-42.06	668.56	3.19
957	957	48664.12	0.59	-1940.44	-10.41	672.71	2.40
957	958	48664.12	0.59	-1940.44	-10.41	-1559.10	1.68
958	958	48686.63	0.59	-1767.28	-10.41	-1570.63	1.68
958	959	48686.63	0.59	-1767.28	-10.41	-3602.82	1.02
959	959	48707.09	0.07	-1601.14	14.92	-3606.21	0.07
959	960	48707.09	0.07	-1601.14	14.92	-5447.60	0.08
960	960	48757.41	0.07	-1430.37	14.92	-5486.55	0.08
960	961	48757.41	0.07	-1430.37	14.92	-7131.59	0.00
961	961	48837.17	-0.24	-1267.49	34.30	-7193.58	-0.68
961	962	48837.17	-0.24	-1267.49	34.30	-8651.10	-0.41
962	962	48916.06	-0.24	-1096.26	34.30	-8727.81	-0.41
962	963	48916.06	-0.24	-1096.26	34.30	-9988.51	-0.27
963	963	48993.06	-0.32	-927.20	48.59	-10064.13	-0.91
963	964	48993.06	-0.32	-927.20	48.59	-11130.42	-0.50
964	964	49068.35	-0.32	-753.54	48.59	-11215.46	-0.50
964	965	49068.35	-0.32	-753.54	48.59	-12082.11	-0.20
965	965	49141.98	-0.32	-579.85	58.12	-12165.40	-0.60
965	966	49141.98	-0.32	-579.85	58.12	-12832.51	-0.29
966	966	49214.08	-0.32	-402.02	58.12	-12921.55	-0.29
966	967	49214.08	-0.32	-402.02	58.12	-13383.86	0.19
967	967	49284.40	-0.29	-223.30	63.53	-13470.39	-0.51
967	968	49284.40	-0.29	-223.30	63.53	-13727.33	-0.34
968	968	49352.78	-0.29	-42.86	63.53	-13815.52	-0.34
968	969	49352.78	-0.29	-42.86	63.53	-13864.73	0.25
969	969	49417.76	-0.26	131.67	64.76	-13947.98	-0.62
969	970	49417.76	-0.26	131.67	64.76	-13796.58	-0.32

7.5.1.1.6. Pretensado Empuje Superior t=∞

SANT BOI PRET(t-I): 1.00*P

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
970	970	49480.01	-0.26	301.86	64.76	-13876.73	-0.32
970	971	49480.01	-0.26	301.86	64.76	-13529.62	-0.03
971	971	49540.34	-0.24	472.99	61.80	-13606.95	-0.57
971	972	49540.34	-0.24	472.99	61.80	-13063.06	-0.19
972	972	49581.48	-0.24	644.37	61.80	-13110.76	-0.19
972	973	49581.48	-0.24	644.37	61.80	-12369.87	-0.01
973	973	49495.09	-0.22	812.59	54.99	-12291.16	-0.56
973	974	49495.09	-0.22	812.59	54.99	-11356.74	-0.31
974	974	49258.56	-0.22	977.83	54.99	-11313.68	-0.31
974	975	49258.56	-0.22	977.83	54.99	-10188.97	-0.03
975	975	49184.54	-0.16	1143.03	45.17	-10110.60	-0.68
975	976	49184.54	-0.16	1143.03	45.17	-8796.12	-0.43
976	976	49108.80	-0.16	1305.51	45.17	-8718.14	-0.43
976	977	49108.80	-0.16	1305.51	45.17	-7216.61	-0.21
977	977	49030.80	-0.04	1468.86	32.46	-7149.07	-0.66
977	978	49030.80	-0.04	1468.86	32.46	-5460.21	-0.60
978	978	48951.34	-0.04	1627.66	32.46	-5394.37	-0.60
978	979	48951.34	-0.04	1627.66	32.46	-3522.44	-0.59
979	979	48870.12	0.08	1787.08	18.65	-3471.38	-1.59
979	980	48870.12	0.08	1787.08	18.65	-1416.39	-1.69
980	980	48786.96	0.08	1942.65	18.65	-1368.23	-1.69
980	981	48786.96	0.08	1942.65	18.65	865.84	-1.74
981	981	48744.29	-1.02	541.19	5.26	896.36	-4.12
981	982	48744.29	-1.02	541.19	5.26	1518.97	-2.92
982	982	48663.35	-1.02	693.45	5.26	1546.05	-2.92
982	983	48663.35	-1.02	693.45	5.26	2344.25	-1.60
983	983	48528.37	-0.25	2403.27	-5.65	2354.94	-0.60
983	984	48528.37	-0.25	2403.27	-5.65	5118.68	-0.36
984	984	48453.40	-0.25	2514.84	-5.65	5119.30	-0.36
984	985	48453.40	-0.25	2514.84	-5.65	8011.23	-0.11

TITULO
=======
SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

FICHERO DE GEOMETRIA COMPLETA
==============================
GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS

1

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
6	969	1138	55	PRET.TXT

Fich	Hipotesis	Caracter	Coeficiente
6	1	1	0.0000
6	2	1	0.0000
6	3	1	0.0000
6	4	1	0.0000
6	5	1	0.0000
6	6	1	0.0000
6	7	1	0.0000
6	8	1	0.0000
6	9	1	0.0000
6	10	1	0.0000
6	11	1	0.0000
6	12	1	7.3398
6	13	1	7.3398
6	14	1	7.3398
6	15	1	7.3398
6	16	1	7.3398
6	17	1	7.3398
6	18	1	4.8932
6	19	1	4.8932
6	20	1	4.8932
6	21	1	4.8932
6	22	1	4.8932
6	23	1	0.0000
6	24	1	0.0000
6	25	1	0.0000
6	26	1	0.0000
6	27	1	0.0000
6	28	1	0.0000
6	29	1	0.0000
6	30	1	0.0000
6	31	1	0.0000
6	32	1	0.0000
6	33	1	0.0000
6	34	1	0.0000
6	35	1	0.0000
6	36	1	0.0000
6	37	1	0.0000
6	38	1	0.0000
6	39	1	0.0000
6	40	1	0.0000
6	41	1	0.0000
6	42	1	0.0000
6	43	1	0.0000
6	44	1	0.0000
6	45	1	0.0000
6	46	1	0.0000
6	47	1	0.0000
6	48	1	0.0000
6	49	1	0.0000
6	50	1	0.0000
6	51	1	0.0000
6	52	1	0.0000
6	53	1	0.0000
6	54	1	0.0000
6	55	1	0.0000

COMBINACION DE ESFUERZOS

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
1	1	11447.79	0.81	-746.64	-71.17	19374.41	0.73
1	2	11447.79	0.81	-746.64	-71.17	18515.62	-0.29
2	2	11468.87	0.81	-746.64	-71.17	18551.39	-0.29
2	3	11468.87	0.81	-746.64	-71.17	17692.83	-1.35
3	3	11509.09	4.79	-376.92	-79.86	17726.72	-8.44
3	4	11509.09	4.79	-376.92	-79.86	17293.01	-14.07
4	4	11530.09	4.79	-376.25	-79.86	17329.46	-14.07
4	5	11530.09	4.79	-376.25	-79.86	16896.51	-19.62
5	5	11531.02	0.32	-739.67	-74.01	16939.62	-8.27
5	6	11531.02	0.32	-739.67	-74.01	16089.04	-8.49
6	6	11551.96	0.32	-739.67	-74.01	16126.10	-8.49
6	7	11551.96	0.32	-739.67	-74.01	15275.47	-8.95
7	7	11571.56	-0.50	-737.12	-69.36	15316.25	-5.33
7	8	11571.56	-0.50	-737.12	-69.36	14468.68	-4.70
8	8	11592.42	-0.50	-737.12	-69.36	14505.57	-4.70
8	9	11592.42	-0.50	-737.12	-69.36	13657.83	-4.23
9	9	11612.19	-0.20	-735.39	-64.20	13697.73	-2.40
9	10	11612.19	-0.20	-735.39	-64.20	12852.19	-2.13
10	10	11632.98	-0.20	-735.39	-64.20	12889.01	-2.13
10	11	11632.98	-0.20	-735.39	-64.20	12043.19	-1.88
11	11	11652.82	0.19	-733.73	-58.01	12082.83	-0.69
11	12	11652.82	0.19	-733.73	-58.01	11239.04	-0.78
12	12	11673.55	0.19	-733.73	-58.01	11275.69	-0.78
12	13	11673.55	0.19	-733.73	-58.01	10432.03	-1.05
13	13	11693.41	0.43	-731.93	-50.42	10471.62	0.05
13	14	11693.41	0.43	-731.93	-50.42	9629.96	-0.37
14	14	11714.07	0.43	-731.93	-50.42	9666.47	-0.37
14	15	11714.07	0.43	-731.93	-50.42	8824.64	-0.73
15	15	11733.93	0.56	-729.97	-42.18	8864.50	0.54
15	16	11733.93	0.56	-729.97	-42.18	8025.04	-0.24
16	16	11578.43	0.56	-729.97	-42.18	7749.85	-0.24
16	17	11578.43	0.56	-729.97	-42.18	6910.42	-0.81
17	17	11598.59	0.60	-728.07	-33.57	6950.64	0.42
17	18	11598.59	0.60	-728.07	-33.57	6113.32	-0.17
18	18	11619.41	0.60	-728.07	-33.57	6150.17	-0.17
18	19	11619.41	0.60	-728.07	-33.57	5312.99	-0.98

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
19	19	11639.51	0.51	-726.14	-24.74	5352.89	0.42
19	20	11639.51	0.51	-726.14	-24.74	4517.89	-0.17
20	20	11655.81	0.51	-726.14	-24.74	4546.69	-0.17
20	21	11655.81	0.51	-726.14	-24.74	3711.81	-0.86
21	21	11659.50	0.33	-724.09	-15.29	3722.89	0.69
21	22	11659.50	0.33	-724.09	-15.29	2890.14	0.29
22	22	11663.90	0.33	-724.09	-15.29	2897.92	0.29
22	23	11663.90	0.33	-724.09	-15.29	2065.20	-0.12
23	23	11667.61	0.15	-721.91	-5.21	2076.65	1.47
23	24	11667.61	0.15	-721.91	-5.21	1246.42	1.27
24	24	11671.99	0.15	-721.91	-5.21	1254.20	1.27
24	25	11671.99	0.15	-721.91	-5.21	423.97	1.03
25	25	11675.83	0.60	-719.62	5.68	435.67	1.88
25	26	11675.83	0.60	-719.62	5.68	-391.92	1.27
26	26	11680.20	0.60	-719.62	5.68	-384.19	1.27
26	27	11680.20	0.60	-719.62	5.68	-1211.65	0.59
27	27	11655.49	3.23	-1090.40	17.76	-1199.45	-1.52
27	28	11655.49	3.23	-1090.40	17.76	-2453.96	-5.21
28	28	11659.84	3.23	-1090.54	17.76	-2446.40	-5.21
28	29	11659.84	3.23	-1090.54	17.76	-3701.22	-8.98
29	29	11692.90	-0.23	-715.10	28.48	-3690.23	-3.96
29	30	11692.90	-0.23	-715.10	28.48	-4512.73	-3.60
30	30	11697.24	-0.23	-715.10	28.48	-4505.34	-3.60
30	31	11697.24	-0.23	-715.10	28.48	-5327.62	-3.35
31	31	11701.57	-1.02	127.20	31.34	-5320.13	-2.18
31	32	11701.57	-1.02	127.20	31.34	-5174.09	-1.10
32	32	11705.89	-1.02	127.20	31.34	-5166.78	-1.10
32	33	11705.89	-1.02	127.20	31.34	-5020.47	0.20
33	33	11700.02	-0.79	499.88	27.21	-5015.85	1.20
33	34	11700.02	-0.79	499.88	27.21	-4440.68	2.10
34	34	11704.32	-0.79	500.01	27.21	-4433.19	2.10
34	35	11704.32	-0.79	500.01	27.21	-3857.92	2.89
35	35	11712.84	-0.49	124.05	22.75	-3864.67	0.29
35	36	11712.84	-0.49	124.05	22.75	-3721.96	0.71
36	36	11668.25	-0.49	124.05	22.75	-3800.87	0.71
36	37	11668.25	-0.49	124.05	22.75	-3658.16	1.32
37	37	11664.99	-0.28	123.61	20.11	-3666.08	0.05
37	38	11664.99	-0.28	123.61	20.11	-3523.96	0.54

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
38	38	11661.21	-0.28	123.61	20.11	-3536.69	0.54
38	39	11661.21	-0.28	123.61	20.11	-3388.32	0.83
39	39	11657.89	-0.26	123.25	18.47	-3395.91	-0.20
39	40	11657.89	-0.26	123.25	18.47	-3254.20	0.17
40	40	11654.13	-0.26	123.25	18.47	-3260.83	0.17
40	41	11654.13	-0.26	123.25	18.47	-3119.07	0.54
41	41	11650.82	-0.30	122.93	16.64	-3126.39	-0.24
41	42	11650.82	-0.30	122.93	16.64	-2985.17	0.00
42	42	11647.07	-0.30	122.93	16.64	-2991.82	0.00
42	43	11647.07	-0.30	122.93	16.64	-2850.29	0.29
43	43	11643.75	-0.33	122.62	15.05	-2857.56	-0.49
43	44	11643.75	-0.33	122.62	15.05	-2716.44	-0.12
44	44	11640.01	-0.33	122.62	15.05	-2723.07	-0.12
44	45	11640.01	-0.33	122.62	15.05	-2582.14	0.32
45	45	11636.72	-0.34	122.31	13.73	-2589.38	-0.44
45	46	11636.72	-0.34	122.31	13.73	-2448.66	-0.12
46	46	11632.99	-0.34	122.31	13.73	-2455.26	-0.12
46	47	11632.99	-0.34	122.31	13.73	-2314.75	0.37
47	47	11629.69	-0.36	122.01	12.38	-2321.68	-0.49
47	48	11629.69	-0.36	122.01	12.38	-2181.36	-0.12
48	48	11625.97	-0.36	122.01	12.38	-2187.95	-0.12
48	49	11625.97	-0.36	122.01	12.38	-2047.66	0.37
49	49	11622.68	-0.35	121.71	10.96	-2054.61	-0.49
49	50	11622.68	-0.35	121.71	10.96	-1914.83	-0.05
50	50	11618.98	-0.35	121.71	10.96	-1921.39	-0.05
50	51	11618.98	-0.35	121.71	10.96	-1781.32	0.29
51	51	11615.70	-0.36	121.41	9.69	-1788.39	-0.42
51	52	11615.70	-0.36	121.41	9.69	-1648.71	-0.20
52	52	11612.00	-0.36	121.41	9.69	-1655.32	-0.20
52	53	11612.00	-0.36	121.41	9.69	-1515.60	0.42
53	53	11608.76	-0.35	121.08	8.15	-1522.76	-0.32
53	54	11608.76	-0.35	121.08	8.15	-1383.43	-0.05
54	54	11605.08	-0.35	121.08	8.15	-1389.94	-0.05
54	55	11605.08	-0.35	121.08	8.15	-1250.80	0.32
55	55	11597.35	-0.36	120.78	6.80	-1265.48	-0.37
55	56	11597.35	-0.36	120.78	6.80	-1126.61	0.07
56	56	11600.10	-0.36	120.78	6.80	-1121.74	0.07
56	57	11600.10	-0.36	120.78	6.80	-983.02	0.37

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SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
57	57	11605.03	-0.36	120.43	5.28	-975.39	-0.37
57	58	11605.03	-0.36	120.43	5.28	-836.98	0.00
58	58	11609.52	-0.36	120.43	5.28	-828.98	0.00
58	59	11609.52	-0.36	120.43	5.28	-690.43	0.54
59	59	11614.45	-0.36	120.08	3.74	-682.97	-0.29
59	60	11614.45	-0.36	120.08	3.74	-544.81	0.20
60	60	11618.93	-0.36	120.08	3.74	-536.91	0.20
60	61	11618.93	-0.36	120.08	3.74	-398.87	0.64
61	61	11623.83	-0.35	119.77	2.20	-391.38	-0.24
61	62	11623.83	-0.35	119.77	2.20	-253.66	0.22
62	62	11628.29	-0.35	119.77	2.20	-245.71	0.22
62	63	11628.29	-0.35	119.77	2.20	-108.02	0.54
63	63	11633.15	-0.32	119.50	0.93	-100.43	-0.24
63	64	11633.15	-0.32	119.50	0.93	36.89	0.29
64	64	11637.60	-0.32	119.50	0.93	44.75	0.29
64	65	11637.60	-0.32	119.50	0.93	182.20	0.51
65	65	11642.39	-0.31	119.38	-0.10	189.83	0.05
65	66	11642.39	-0.31	119.38	-0.10	327.01	0.37
66	66	11646.82	-0.31	119.38	-0.10	334.92	0.37
66	67	11646.82	-0.31	119.38	-0.10	472.29	0.66
67	67	11649.33	-0.49	-253.31	-0.76	480.22	0.37
67	68	11649.33	-0.49	-253.31	-0.76	188.71	0.91
68	68	11653.75	-0.49	-253.46	-0.76	196.39	0.91
68	69	11653.75	-0.49	-253.46	-0.76	-95.37	1.42
69	69	11660.43	-0.09	119.09	-2.03	-88.10	0.83
69	70	11660.43	-0.09	119.09	-2.03	48.79	0.93
70	70	11664.84	-0.09	119.09	-2.03	56.27	0.93
70	71	11664.84	-0.09	119.09	-2.03	193.18	1.00
71	71	11669.10	0.21	5.29	-3.65	200.03	0.98
71	72	11669.10	0.21	5.29	-3.65	206.13	0.88
72	72	11673.49	0.21	5.29	-3.65	213.59	0.88
72	73	11673.49	0.21	5.29	-3.65	219.78	0.61
73	73	11671.54	0.56	378.39	-5.04	226.48	0.44
73	74	11671.54	0.56	378.39	-5.04	661.95	-0.22
74	74	11675.90	0.56	378.53	-5.04	669.54	-0.22
74	75	11675.90	0.56	378.53	-5.04	1105.10	-0.78
75	75	11679.36	0.30	4.89	-5.53	1100.73	0.22
75	76	11679.36	0.30	4.89	-5.53	1106.38	-0.07

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
76	76	11674.39	0.30	4.89	-5.53	1097.59	-0.07
76	77	11674.39	0.30	4.89	-5.53	1103.17	-0.51
77	77	11670.34	0.22	4.96	-5.70	1096.47	0.17
77	78	11670.34	0.22	4.96	-5.70	1102.14	0.00
78	78	11666.56	0.22	4.96	-5.70	1095.44	0.00
78	79	11666.56	0.22	4.96	-5.70	1101.04	-0.44
79	79	11662.54	0.21	4.98	-5.87	1094.63	0.17
79	80	11662.54	0.21	4.98	-5.87	1100.26	-0.12
80	80	11658.77	0.21	4.98	-5.87	1093.63	-0.12
80	81	11658.77	0.21	4.98	-5.87	1099.40	-0.24
81	81	11654.75	0.20	4.97	-5.99	1092.63	0.20
81	82	11654.75	0.20	4.97	-5.99	1098.40	0.00
82	82	11650.99	0.20	4.97	-5.99	1091.67	0.00
82	83	11650.99	0.20	4.97	-5.99	1097.40	-0.24
83	83	11647.00	0.19	4.96	-6.12	1090.77	0.24
83	84	11647.00	0.19	4.96	-6.12	1096.52	0.00
84	84	11643.26	0.19	4.96	-6.12	1089.89	0.00
84	85	11643.26	0.19	4.96	-6.12	1095.42	-0.24
85	85	11639.27	0.21	4.95	-6.21	1088.76	0.12
85	86	11639.27	0.21	4.95	-6.21	1094.51	0.00
86	86	11635.54	0.21	4.95	-6.21	1087.83	0.00
86	87	11635.54	0.21	4.95	-6.21	1093.68	-0.24
87	87	11631.56	0.21	4.95	-6.19	1086.98	0.17
87	88	11631.56	0.21	4.95	-6.19	1092.68	-0.07
88	88	11627.85	0.21	4.95	-6.19	1086.09	-0.07
88	89	11627.85	0.21	4.95	-6.19	1091.80	-0.24
89	89	11623.87	0.22	4.95	-6.24	1085.31	0.17
89	90	11623.87	0.22	4.95	-6.24	1091.11	-0.07
90	90	11620.16	0.22	4.95	-6.24	1084.48	-0.07
90	91	11620.16	0.22	4.95	-6.24	1090.13	-0.29
91	91	11616.23	0.21	4.96	-6.36	1083.50	0.17
91	92	11616.23	0.21	4.96	-6.36	1089.23	-0.07
92	92	11612.54	0.21	4.96	-6.36	1082.74	-0.07
92	93	11612.54	0.21	4.96	-6.36	1088.32	-0.29
93	93	11608.60	0.23	4.98	-6.29	1081.74	0.12
93	94	11608.60	0.23	4.98	-6.29	1087.54	0.00
94	94	11604.92	0.23	4.98	-6.29	1081.03	0.00
94	95	11604.92	0.23	4.98	-6.29	1086.68	-0.29

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
95	95	11596.53	0.22	4.98	-6.29	1072.39	0.17
95	96	11596.53	0.22	4.98	-6.29	1077.92	-0.17
96	96	11599.28	0.22	4.98	-6.29	1082.79	-0.17
96	97	11599.28	0.22	4.98	-6.29	1088.66	-0.37
97	97	11603.52	0.23	4.96	-6.29	1096.59	0.12
97	98	11603.52	0.23	4.96	-6.29	1102.27	-0.12
98	98	11608.02	0.23	4.96	-6.29	1110.22	-0.12
98	99	11608.02	0.23	4.96	-6.29	1115.99	-0.37
99	99	11612.24	0.22	4.97	-6.34	1123.75	0.12
99	100	11612.24	0.22	4.97	-6.34	1129.64	-0.05
100	100	11616.72	0.22	4.97	-6.34	1137.50	-0.05
100	101	11616.72	0.22	4.97	-6.34	1143.10	-0.54
101	101	11620.92	0.21	4.99	-6.34	1151.05	0.02
101	102	11620.92	0.21	4.99	-6.34	1156.73	-0.24
102	102	11625.38	0.21	4.99	-6.34	1164.61	-0.24
102	103	11625.38	0.21	4.99	-6.34	1170.45	-0.51
103	103	11629.58	0.17	5.10	-6.12	1178.38	0.17
103	104	11629.58	0.17	5.10	-6.12	1184.37	-0.02
104	104	11634.03	0.17	5.10	-6.12	1192.23	-0.02
104	105	11634.03	0.17	5.10	-6.12	1198.00	-0.34
105	105	11638.25	0.16	5.36	-5.41	1206.25	0.10
105	106	11638.25	0.16	5.36	-5.41	1212.36	-0.02
106	106	11642.69	0.16	5.36	-5.41	1220.27	-0.02
106	107	11642.69	0.16	5.36	-5.41	1226.38	-0.20
107	107	11641.20	0.18	-366.81	-4.53	1234.68	0.20
107	108	11641.20	0.18	-366.81	-4.53	812.54	0.05
108	108	11645.61	0.18	-366.96	-4.53	820.27	0.05
108	109	11645.61	0.18	-366.96	-4.53	398.23	-0.17
109	109	11656.13	0.03	5.84	-3.94	406.11	-0.69
109	110	11656.13	0.03	5.84	-3.94	412.81	-0.78
110	110	11660.54	0.03	5.84	-3.94	420.25	-0.78
110	111	11660.54	0.03	5.84	-3.94	427.05	-0.86
111	111	11665.39	-0.25	-152.78	-2.96	434.96	-1.52
111	112	11665.39	-0.25	-152.78	-2.96	259.27	-1.27
112	112	11669.79	-0.25	-152.78	-2.96	266.68	-1.27
112	113	11669.79	-0.25	-152.78	-2.96	90.94	-0.93
113	113	11673.63	-0.75	220.83	-2.03	98.77	-1.81
113	114	11673.63	-0.75	220.83	-2.03	352.97	-0.78

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
114	114	11678.00	-0.75	220.96	-2.03	360.56	-0.78
114	115	11678.00	-0.75	220.96	-2.03	614.81	0.07
115	115	11677.17	-0.56	-152.26	-0.49	611.16	-1.00
115	116	11677.17	-0.56	-152.26	-0.49	436.08	-0.34
116	116	11672.20	-0.56	-152.26	-0.49	427.30	-0.34
116	117	11672.20	-0.56	-152.26	-0.49	252.20	0.29
117	117	11668.87	-0.48	-151.75	1.22	246.47	-0.69
117	118	11668.87	-0.48	-151.75	1.22	71.91	-0.12
118	118	11665.09	-0.48	-151.75	1.22	65.18	-0.12
118	119	11665.09	-0.48	-151.75	1.22	-109.31	0.54
119	119	11661.79	-0.45	-151.32	3.08	-115.14	-0.37
119	120	11661.79	-0.45	-151.32	3.08	-289.19	0.07
120	120	11658.03	-0.45	-151.32	3.08	-295.87	0.07
120	121	11658.03	-0.45	-151.32	3.08	-469.87	0.54
121	121	11654.74	-0.41	-150.92	4.84	-475.59	-0.32
121	122	11654.74	-0.41	-150.92	4.84	-649.23	0.17
122	122	11650.99	-0.41	-150.92	4.84	-655.91	0.17
122	123	11650.99	-0.41	-150.92	4.84	-829.37	0.61
123	123	11647.73	-0.40	-150.51	6.63	-835.34	-0.37
123	124	11647.73	-0.40	-150.51	6.63	-1008.29	0.24
124	124	11643.99	-0.40	-150.51	6.63	-1014.87	0.24
124	125	11643.99	-0.40	-150.51	6.63	-1188.00	0.66
125	125	11640.74	-0.39	-150.14	8.47	-1193.87	-0.32
125	126	11640.74	-0.39	-150.14	8.47	-1366.45	0.17
126	126	11637.01	-0.39	-150.14	8.47	-1373.13	0.17
126	127	11637.01	-0.39	-150.14	8.47	-1545.86	0.66
127	127	11633.78	-0.40	-149.76	10.25	-1551.58	-0.29
127	128	11633.78	-0.40	-149.76	10.25	-1723.73	0.12
128	128	11630.06	-0.40	-149.76	10.25	-1730.31	0.12
128	129	11630.06	-0.40	-149.76	10.25	-1902.53	0.61
129	129	11626.85	-0.40	-149.36	12.04	-1908.35	-0.37
129	130	11626.85	-0.40	-149.36	12.04	-2080.22	0.24
130	130	11623.15	-0.40	-149.36	12.04	-2086.85	0.24
130	131	11623.15	-0.40	-149.36	12.04	-2258.51	0.66
131	131	11619.94	-0.41	-148.99	13.85	-2264.35	-0.20
131	132	11619.94	-0.41	-148.99	13.85	-2435.64	0.29
132	132	11616.25	-0.41	-148.99	13.85	-2442.25	0.29
132	133	11616.25	-0.41	-148.99	13.85	-2613.58	0.69

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
133	133	11613.07	-0.42	-148.63	15.66	-2619.40	-0.17
133	134	11613.07	-0.42	-148.63	15.66	-2790.25	0.24
134	134	11608.46	-0.42	-148.63	15.66	-2798.45	0.24
134	135	11608.46	-0.42	-148.63	15.66	-2969.34	0.66
135	135	11625.33	-0.43	-148.25	17.47	-2939.81	-0.12
135	136	11625.33	-0.43	-148.25	17.47	-3110.31	0.24
136	136	11629.79	-0.43	-148.25	17.47	-3102.41	0.24
136	137	11629.79	-0.43	-148.25	17.47	-3272.87	0.69
137	137	11634.79	-0.47	-147.84	19.67	-3264.28	-0.07
137	138	11634.79	-0.47	-147.84	19.67	-3434.17	0.37
138	138	11639.24	-0.47	-147.84	19.67	-3426.24	0.37
138	139	11639.24	-0.47	-147.84	19.67	-3596.45	0.93
139	139	11644.23	-0.51	-147.32	22.12	-3587.77	-0.02
139	140	11644.23	-0.51	-147.32	22.12	-3757.15	0.46
140	140	11648.67	-0.51	-147.32	22.12	-3749.32	0.46
140	141	11648.67	-0.51	-147.32	22.12	-3918.82	1.08
141	141	11653.68	-0.44	-146.70	25.35	-3909.81	0.05
141	142	11653.68	-0.44	-146.70	25.35	-4078.46	0.46
142	142	11658.09	-0.44	-146.70	25.35	-4070.63	0.46
142	143	11658.09	-0.44	-146.70	25.35	-4239.37	1.08
143	143	11663.11	-0.14	-145.92	29.73	-4229.93	-0.20
143	144	11663.11	-0.14	-145.92	29.73	-4397.69	-0.02
144	144	11667.52	-0.14	-145.92	29.73	-4389.91	-0.02
144	145	11667.52	-0.14	-145.92	29.73	-4557.87	0.22
145	145	11662.19	1.13	-517.78	36.23	-4547.50	-3.62
145	146	11662.19	1.13	-517.78	36.23	-5143.34	-4.72
146	146	11666.57	1.13	-517.93	36.23	-5135.73	-4.72
146	147	11666.57	1.13	-517.93	36.23	-5731.55	-6.29
147	147	11680.92	-1.00	-143.99	40.15	-5723.09	-1.39
147	148	11680.92	-1.00	-143.99	40.15	-5888.77	-0.17
148	148	11685.29	-1.00	-143.99	40.15	-5881.33	-0.17
148	149	11685.29	-1.00	-143.99	40.15	-6046.97	1.00
149	149	11688.95	-0.67	639.30	34.20	-6043.10	2.57
149	150	11688.95	-0.67	639.30	34.20	-5307.83	3.30
150	150	11693.32	-0.67	639.30	34.20	-5300.41	3.30
150	151	11693.32	-0.67	639.30	34.20	-4565.16	4.04
151	151	11670.41	2.03	1009.44	21.43	-4563.86	4.67
151	152	11670.41	2.03	1009.44	21.43	-3402.39	2.28

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
152	152	11674.75	2.03	1009.57	21.43	-3394.90	2.28
152	153	11674.75	2.03	1009.57	21.43	-2233.26	0.00
153	153	11698.83	0.58	632.90	9.86	-2242.46	1.00
153	154	11698.83	0.58	632.90	9.86	-1514.71	0.27
154	154	11678.06	0.58	632.90	9.86	-1551.49	0.27
154	155	11678.06	0.58	632.90	9.86	-823.60	-0.32
155	155	11674.00	0.37	631.05	0.61	-833.97	0.54
155	156	11674.00	0.37	631.05	0.61	-108.29	0.10
156	156	11670.23	0.37	631.05	0.61	-114.99	0.10
156	157	11670.23	0.37	631.05	0.61	610.77	-0.20
157	157	11666.13	0.32	629.32	-7.76	600.62	0.46
157	158	11666.13	0.32	629.32	-7.76	1324.44	0.12
158	158	11662.36	0.32	629.32	-7.76	1317.81	0.12
158	159	11662.36	0.32	629.32	-7.76	2041.47	-0.24
159	159	11658.22	0.30	627.62	-15.90	2031.68	0.42
159	160	11658.22	0.30	627.62	-15.90	2753.40	0.05
160	160	11654.47	0.30	627.62	-15.90	2746.75	0.05
160	161	11654.47	0.30	627.62	-15.90	3468.45	-0.20
161	161	11650.34	0.29	625.97	-23.78	3458.83	0.44
161	162	11650.34	0.29	625.97	-23.78	4178.65	0.12
162	162	11646.60	0.29	625.97	-23.78	4172.02	0.12
162	163	11646.60	0.29	625.97	-23.78	4891.83	-0.20
163	163	11642.48	0.29	624.33	-31.41	4882.36	0.56
163	164	11642.48	0.29	624.33	-31.41	5600.27	0.12
164	164	11638.75	0.29	624.33	-31.41	5593.71	0.12
164	165	11638.75	0.29	624.33	-31.41	6311.79	-0.07
165	165	11634.66	0.31	622.72	-38.95	6302.34	0.51
165	166	11634.66	0.31	622.72	-38.95	7018.49	0.20
166	166	11630.94	0.31	622.72	-38.95	7011.91	0.20
166	167	11630.94	0.31	622.72	-38.95	7728.05	-0.07
167	167	11626.83	0.32	621.16	-46.31	7718.75	0.56
167	168	11626.83	0.32	621.16	-46.31	8433.04	0.20
168	168	11623.12	0.32	621.16	-46.31	8426.46	0.20
168	169	11623.12	0.32	621.16	-46.31	9140.79	-0.20
169	169	11619.02	0.35	619.59	-53.41	9131.64	0.44
169	170	11619.02	0.35	619.59	-53.41	9844.12	0.17
170	170	11615.32	0.35	619.59	-53.41	9837.58	0.17
170	171	11615.32	0.35	619.59	-53.41	10550.03	-0.29

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
171	171	11611.19	0.35	618.07	-60.50	10541.25	0.61
171	172	11611.19	0.35	618.07	-60.50	11251.94	0.24
172	172	11607.51	0.35	618.07	-60.50	11245.43	0.24
172	173	11607.51	0.35	618.07	-60.50	11956.27	-0.20
173	173	11598.84	0.19	616.59	-67.09	11939.58	0.91
173	174	11598.84	0.19	616.59	-67.09	12648.60	0.61
174	174	11534.70	0.19	616.59	-67.09	12535.01	0.61
174	175	11534.70	0.19	616.59	-67.09	13244.20	0.37
175	175	11538.56	-0.14	615.24	-73.10	13250.00	1.96
175	176	11538.56	-0.14	615.24	-73.10	13957.56	2.08
176	176	11543.05	-0.14	615.24	-73.10	13965.49	2.08
176	177	11543.05	-0.14	615.24	-73.10	14673.02	2.25
177	177	11546.71	-0.45	614.69	-76.65	14679.82	4.18
177	178	11546.71	-0.45	614.69	-76.65	15386.59	4.62
178	178	11551.19	-0.45	614.69	-76.65	15394.57	4.62
178	179	11551.19	-0.45	614.69	-76.65	16101.42	5.24
179	179	11554.59	0.12	616.51	-73.84	16110.52	7.12
179	180	11554.59	0.12	616.51	-73.84	16819.42	7.07
180	180	11559.05	0.12	616.51	-73.84	16827.37	7.07
180	181	11559.05	0.12	616.51	-73.84	17536.25	6.95
181	181	11575.36	2.71	251.70	-60.26	17550.66	10.91
181	182	11575.36	2.71	251.70	-60.26	17840.26	7.76
182	182	11579.80	2.71	251.57	-60.26	17847.97	7.76
182	183	11579.80	2.71	251.57	-60.26	18137.43	4.60
183	183	11572.71	0.15	631.05	-29.19	18161.89	1.83
183	184	11572.71	0.15	631.05	-29.19	18887.51	1.71
184	184	11577.14	0.15	631.05	-29.19	18895.04	1.71
184	185	11577.14	0.15	631.05	-29.19	19620.66	1.47

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
801	801	11439.58	1.18	-738.36	-28.06	19393.73	-1.30
801	802	11439.58	1.18	-738.36	-28.06	18544.49	-2.50
802	802	11460.67	1.18	-738.36	-28.06	18580.26	-2.50
802	803	11460.67	1.18	-738.36	-28.06	17731.24	-3.96
803	803	11497.54	2.59	-361.77	-57.96	17750.69	-6.12
803	804	11497.54	2.59	-361.77	-57.96	17334.38	-9.15
804	804	11518.54	2.59	-361.10	-57.96	17370.79	-9.15
804	805	11518.54	2.59	-361.10	-57.96	16955.38	-12.09
805	805	11524.49	0.10	-724.28	-70.73	16986.52	-7.39
805	806	11524.49	0.10	-724.28	-70.73	16153.53	-7.58
806	806	11545.43	0.10	-724.28	-70.73	16190.60	-7.58
806	807	11545.43	0.10	-724.28	-70.73	15357.82	-7.58
807	807	11567.63	-0.33	-722.66	-72.69	15394.08	-5.14
807	808	11567.63	-0.33	-722.66	-72.69	14562.92	-4.58
808	808	11588.50	-0.33	-722.66	-72.69	14599.87	-4.58
808	809	11588.50	-0.33	-722.66	-72.69	13768.78	-4.40
809	809	11610.41	0.06	-723.41	-67.99	13807.46	-1.83
809	810	11610.41	0.06	-723.41	-67.99	12975.59	-1.88
810	810	11631.21	0.06	-723.41	-67.99	13012.41	-1.88
810	811	11631.21	0.06	-723.41	-67.99	12180.52	-1.96
811	811	11652.87	0.45	-724.98	-60.94	12219.89	0.00
811	812	11652.87	0.45	-724.98	-60.94	11386.18	-0.44
812	812	11673.59	0.45	-724.98	-60.94	11422.83	-0.44
812	813	11673.59	0.45	-724.98	-60.94	10589.13	-0.93
813	813	11695.10	0.60	-726.72	-52.80	10628.57	0.69
813	814	11695.10	0.60	-726.72	-52.80	9792.88	-0.07
814	814	11715.75	0.60	-726.72	-52.80	9829.46	-0.07
814	815	11715.75	0.60	-726.72	-52.80	8993.68	-0.61
815	815	11737.13	0.60	-728.56	-44.14	9033.46	0.61
815	816	11737.13	0.60	-728.56	-44.14	8195.60	-0.05
816	816	11581.64	0.60	-728.56	-44.14	7920.35	-0.05
816	817	11581.64	0.60	-728.56	-44.14	7082.49	-0.61
817	817	11603.23	0.55	-730.54	-35.18	7122.81	0.54
817	818	11603.23	0.55	-730.54	-35.18	6282.60	-0.05

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
818	818	11624.06	0.55	-730.54	-35.18	6319.52	-0.05
818	819	11624.06	0.55	-730.54	-35.18	5479.43	-0.61
819	819	11645.57	0.48	-732.50	-26.18	5519.73	0.54
819	820	11645.57	0.48	-732.50	-26.18	4677.29	0.05
820	820	11661.87	0.48	-732.50	-26.18	4706.16	0.05
820	821	11661.87	0.48	-732.50	-26.18	3863.77	-0.49
821	821	11666.97	0.40	-734.43	-17.15	3875.07	0.61
821	822	11666.97	0.40	-734.43	-17.15	3030.41	0.24
822	822	11671.36	0.40	-734.43	-17.15	3038.21	0.24
822	823	11671.36	0.40	-734.43	-17.15	2193.72	-0.27
823	823	11676.43	0.37	-736.39	-7.66	2205.07	1.15
823	824	11676.43	0.37	-736.39	-7.66	1358.18	0.71
824	824	11680.80	0.37	-736.39	-7.66	1365.96	0.71
824	825	11680.80	0.37	-736.39	-7.66	519.19	0.24
825	825	11685.72	0.70	-738.45	2.28	530.79	1.76
825	826	11685.72	0.70	-738.45	2.28	-318.55	0.95
826	826	11690.08	0.70	-738.45	2.28	-310.74	0.95
826	827	11690.08	0.70	-738.45	2.28	-1159.93	0.15
827	827	11664.76	2.92	-1114.87	13.90	-1147.21	2.47
827	828	11664.76	2.92	-1114.87	13.90	-2429.96	-0.86
828	828	11669.11	2.92	-1115.01	13.90	-2422.45	-0.86
828	829	11669.11	2.92	-1115.01	13.90	-3705.38	-4.28
829	829	11703.56	1.62	-744.91	26.69	-3692.04	-3.35
829	830	11703.56	1.62	-744.91	26.69	-4548.62	-5.24
830	830	11707.90	1.62	-744.91	26.69	-4541.23	-5.24
830	831	11707.90	1.62	-744.91	26.69	-5397.98	-7.10
831	831	11712.23	-2.45	120.90	33.03	-5386.87	-5.11
831	832	11712.23	-2.45	120.90	33.03	-5247.91	-2.25
832	832	11716.55	-2.45	120.90	33.03	-5240.54	-2.25
832	833	11716.55	-2.45	120.90	33.03	-5101.60	0.49
833	833	11711.06	0.33	495.86	30.80	-5094.78	4.67
833	834	11711.06	0.33	495.86	30.80	-4524.35	4.18
834	834	11715.37	0.33	496.00	30.80	-4516.91	4.18
834	835	11715.37	0.33	496.00	30.80	-3945.95	3.74
835	835	11721.91	-0.14	122.18	25.81	-3952.36	0.83
835	836	11721.91	-0.14	122.18	25.81	-3811.75	0.98
836	836	11677.31	-0.14	122.18	25.81	-3890.71	0.98
836	837	11677.31	-0.14	122.18	25.81	-3750.30	1.10

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
837	837	11673.00	-0.24	122.80	22.44	-3758.15	-0.02
837	838	11673.00	-0.24	122.80	22.44	-3616.98	0.37
838	838	11669.21	-0.24	122.80	22.44	-3623.63	0.37
838	839	11669.21	-0.24	122.80	22.44	-3482.39	0.56
839	839	11664.97	-0.28	123.31	19.67	-3490.12	-0.27
839	840	11664.97	-0.28	123.31	19.67	-3348.20	-0.07
840	840	11661.20	-0.28	123.31	19.67	-3354.83	-0.07
840	841	11661.20	-0.28	123.31	19.67	-3213.14	0.37
841	841	11657.00	-0.33	123.72	17.59	-3220.46	-0.49
841	842	11657.00	-0.33	123.72	17.59	-3078.24	-0.20
842	842	11653.24	-0.33	123.72	17.59	-3084.89	-0.20
842	843	11653.24	-0.33	123.72	17.59	-2942.60	0.24
843	843	11649.04	-0.34	124.08	15.83	-2949.72	-0.66
843	844	11649.04	-0.34	124.08	15.83	-2807.11	-0.24
844	844	11645.29	-0.34	124.08	15.83	-2813.74	-0.24
844	845	11645.29	-0.34	124.08	15.83	-2671.08	0.24
845	845	11641.13	-0.36	124.39	14.29	-2678.10	-0.66
845	846	11641.13	-0.36	124.39	14.29	-2535.07	-0.24
846	846	11637.40	-0.36	124.39	14.29	-2541.67	-0.24
846	847	11637.40	-0.36	124.39	14.29	-2398.77	0.24
847	847	11633.26	-0.36	124.68	12.80	-2405.72	-0.54
847	848	11633.26	-0.36	124.68	12.80	-2262.40	-0.07
848	848	11629.54	-0.36	124.68	12.80	-2268.98	-0.07
848	849	11629.54	-0.36	124.68	12.80	-2125.56	0.29
849	849	11625.41	-0.35	124.99	11.38	-2132.77	-0.56
849	850	11625.41	-0.35	124.99	11.38	-1989.09	-0.17
850	850	11621.71	-0.35	124.99	11.38	-1995.64	-0.17
850	851	11621.71	-0.35	124.99	11.38	-1851.78	0.29
851	851	11617.60	-0.35	125.29	9.91	-1858.90	-0.56
851	852	11617.60	-0.35	125.29	9.91	-1714.85	-0.05
852	852	11613.91	-0.35	125.29	9.91	-1721.38	-0.05
852	853	11613.91	-0.35	125.29	9.91	-1577.42	0.37
853	853	11609.79	-0.36	125.58	8.42	-1584.49	-0.49
853	854	11609.79	-0.36	125.58	8.42	-1440.02	-0.12
854	854	11606.11	-0.36	125.58	8.42	-1446.53	-0.12
854	855	11606.11	-0.36	125.58	8.42	-1302.01	0.24
855	855	11597.56	-0.35	125.88	6.97	-1317.18	-0.32
855	856	11597.56	-0.35	125.88	6.97	-1172.31	-0.05

SANT BOI PRET(t-I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
856	856	11600.31	-0.35	125.88	6.97	-1167.44	-0.05
856	857	11600.31	-0.35	125.88	6.97	-1022.73	0.29
857	857	11604.38	-0.34	126.18	5.55	-1015.53	-0.37
857	858	11604.38	-0.34	126.18	5.55	-870.38	0.02
858	858	11608.87	-0.34	126.18	5.55	-862.38	0.02
858	859	11608.87	-0.34	126.18	5.55	-717.17	0.32
859	859	11612.94	-0.34	126.53	3.99	-709.91	-0.37
859	860	11612.94	-0.34	126.53	3.99	-564.46	-0.05
860	860	11617.41	-0.34	126.53	3.99	-556.60	-0.05
860	861	11617.41	-0.34	126.53	3.99	-410.91	0.29
861	861	11621.47	-0.29	126.87	2.42	-403.84	-0.49
861	862	11621.47	-0.29	126.87	2.42	-257.95	-0.12
862	862	11625.93	-0.29	126.87	2.42	-250.07	-0.12
862	863	11625.93	-0.29	126.87	2.42	-103.98	0.24
863	863	11629.99	-0.30	127.26	0.98	-96.93	-0.61
863	864	11629.99	-0.30	127.26	0.98	49.32	-0.20
864	864	11634.44	-0.30	127.26	0.98	57.25	-0.20
864	865	11634.44	-0.30	127.26	0.98	203.65	0.17
865	865	11638.53	-0.43	127.68	-0.56	210.68	-0.69
865	866	11638.53	-0.43	127.68	-0.56	357.45	-0.12
866	866	11642.96	-0.43	127.68	-0.56	365.30	-0.12
866	867	11642.96	-0.43	127.68	-0.56	512.27	0.37
867	867	11645.33	-0.95	-244.58	-1.88	519.56	-0.64
867	868	11645.33	-0.95	-244.58	-1.88	238.13	0.44
868	868	11649.75	-0.95	-244.72	-1.88	245.74	0.44
868	869	11649.75	-0.95	-244.72	-1.88	-35.89	1.61
869	869	11655.95	-1.36	128.08	-2.76	-28.55	0.81
869	870	11655.95	-1.36	128.08	-2.76	118.76	2.47
870	870	11660.35	-1.36	128.08	-2.76	126.24	2.47
870	871	11660.35	-1.36	128.08	-2.76	273.48	3.94
871	871	11664.88	1.09	0.52	-3.25	280.63	3.30
871	872	11664.88	1.09	0.52	-3.25	281.19	2.13
872	872	11669.27	1.09	0.52	-3.25	288.65	2.13
872	873	11669.27	1.09	0.52	-3.25	289.24	0.88
873	873	11667.78	0.59	374.04	-4.09	296.19	0.61
873	874	11667.78	0.59	374.04	-4.09	726.54	-0.17
874	874	11672.15	0.59	374.17	-4.09	734.13	-0.17
874	875	11672.15	0.59	374.17	-4.09	1164.68	-0.83

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
875	875	11676.14	0.18	1.05	-5.28	1159.91	-0.39
875	876	11676.14	0.18	1.05	-5.28	1161.13	-0.61
876	876	11671.17	0.18	1.05	-5.28	1152.28	-0.61
876	877	11671.17	0.18	1.05	-5.28	1153.74	-0.73
877	877	11667.64	0.08	1.35	-5.90	1146.60	-0.20
877	878	11667.64	0.08	1.35	-5.90	1148.12	-0.42
878	878	11663.87	0.08	1.35	-5.90	1141.46	-0.42
878	879	11663.87	0.08	1.35	-5.90	1142.93	-0.56
879	879	11660.34	0.14	1.46	-6.26	1136.13	-0.07
879	880	11660.34	0.14	1.46	-6.26	1137.82	-0.07
880	880	11656.57	0.14	1.46	-6.26	1131.19	-0.07
880	881	11656.57	0.14	1.46	-6.26	1132.75	-0.32
881	881	11653.06	0.19	1.52	-6.41	1126.19	0.24
881	882	11653.06	0.19	1.52	-6.41	1127.98	0.10
882	882	11649.31	0.19	1.52	-6.41	1121.33	0.10
882	883	11649.31	0.19	1.52	-6.41	1123.06	-0.24
883	883	11645.81	0.22	1.53	-6.36	1116.43	0.24
883	884	11645.81	0.22	1.53	-6.36	1118.19	0.12
884	884	11642.07	0.22	1.53	-6.36	1111.56	0.12
884	885	11642.07	0.22	1.53	-6.36	1113.28	-0.17
885	885	11638.59	0.22	1.53	-6.36	1106.87	0.24
885	886	11638.59	0.22	1.53	-6.36	1108.41	0.12
886	886	11634.87	0.22	1.53	-6.36	1101.80	0.12
886	887	11634.87	0.22	1.53	-6.36	1103.64	-0.17
887	887	11631.39	0.22	1.54	-6.36	1097.13	0.24
887	888	11631.39	0.22	1.54	-6.36	1098.94	0.00
888	888	11627.67	0.22	1.54	-6.36	1092.33	0.00
888	889	11627.67	0.22	1.54	-6.36	1094.10	-0.12
889	889	11624.21	0.22	1.53	-6.34	1087.54	0.37
889	890	11624.21	0.22	1.53	-6.34	1089.35	-0.05
890	890	11620.51	0.22	1.53	-6.34	1082.79	-0.05
890	891	11620.51	0.22	1.53	-6.34	1084.68	-0.17
891	891	11617.07	0.22	1.53	-6.29	1078.19	0.17
891	892	11617.07	0.22	1.53	-6.29	1079.93	-0.07
892	892	11613.37	0.22	1.53	-6.29	1073.40	-0.07
892	893	11613.37	0.22	1.53	-6.29	1075.13	-0.24
893	893	11609.95	0.22	1.51	-6.12	1068.58	0.17
893	894	11609.95	0.22	1.51	-6.12	1070.29	-0.12

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
894	894	11606.27	0.22	1.51	-6.12	1063.78	-0.12
894	895	11606.27	0.22	1.51	-6.12	1065.52	-0.32
895	895	11598.38	0.22	1.50	-6.09	1051.21	0.12
895	896	11598.38	0.22	1.50	-6.09	1052.89	-0.12
896	896	11601.14	0.22	1.50	-6.09	1057.84	-0.12
896	897	11601.14	0.22	1.50	-6.09	1059.62	-0.37
897	897	11605.89	0.20	1.48	-6.02	1067.43	0.12
897	898	11605.89	0.20	1.48	-6.02	1069.16	-0.12
898	898	11610.38	0.20	1.48	-6.02	1077.16	-0.12
898	899	11610.38	0.20	1.48	-6.02	1078.88	-0.34
899	899	11615.14	0.16	1.47	-5.92	1087.05	0.17
899	900	11615.14	0.16	1.47	-5.92	1088.59	-0.12
900	900	11619.62	0.16	1.47	-5.92	1096.57	-0.12
900	901	11619.62	0.16	1.47	-5.92	1098.30	-0.15
901	901	11624.37	0.12	1.49	-5.80	1106.18	0.37
901	902	11624.37	0.12	1.49	-5.80	1107.84	0.00
902	902	11628.84	0.12	1.49	-5.80	1115.80	0.00
902	903	11628.84	0.12	1.49	-5.80	1117.48	0.07
903	903	11633.56	0.09	1.53	-5.73	1125.24	0.46
903	904	11633.56	0.09	1.53	-5.73	1126.98	0.34
904	904	11638.01	0.09	1.53	-5.73	1134.90	0.34
904	905	11638.01	0.09	1.53	-5.73	1136.59	0.37
905	905	11642.65	0.24	1.60	-5.50	1144.47	0.91
905	906	11642.65	0.24	1.60	-5.50	1146.21	0.54
906	906	11647.09	0.24	1.60	-5.50	1153.99	0.54
906	907	11647.09	0.24	1.60	-5.50	1156.02	0.29
907	907	11645.76	0.90	-371.04	-5.16	1163.87	1.44
907	908	11645.76	0.90	-371.04	-5.16	737.01	0.61
908	908	11650.18	0.90	-371.19	-5.16	744.67	0.61
908	909	11650.18	0.90	-371.19	-5.16	317.59	-0.46
909	909	11660.25	1.49	1.26	-3.79	325.57	-0.46
909	910	11660.25	1.49	1.26	-3.79	327.04	-2.13
910	910	11664.66	1.49	1.26	-3.79	334.52	-2.13
910	911	11664.66	1.49	1.26	-3.79	335.87	-3.77
911	911	11668.59	-1.27	-141.50	-2.54	343.80	-3.84
911	912	11668.59	-1.27	-141.50	-2.54	181.27	-2.45
912	912	11672.97	-1.27	-141.50	-2.54	188.68	-2.45
912	913	11672.97	-1.27	-141.50	-2.54	25.98	-1.05

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
913	913	11675.31	-0.98	231.71	-1.20	33.59	-1.88
913	914	11675.31	-0.98	231.71	-1.20	300.20	-0.78
914	914	11679.69	-0.98	231.85	-1.20	307.78	-0.78
914	915	11679.69	-0.98	231.85	-1.20	574.63	0.32
915	915	11678.33	-0.41	-141.83	-0.07	570.47	-0.20
915	916	11678.33	-0.41	-141.83	-0.07	407.46	0.29
916	916	11673.36	-0.41	-141.83	-0.07	398.72	0.29
916	917	11673.36	-0.41	-141.83	-0.07	235.41	0.81
917	917	11669.12	-0.30	-142.00	1.08	229.05	0.00
917	918	11669.12	-0.30	-142.00	1.08	65.01	0.37
918	918	11665.34	-0.30	-142.00	1.08	59.11	0.37
918	919	11665.34	-0.30	-142.00	1.08	-104.18	0.73
919	919	11661.09	-0.33	-142.30	2.62	-110.49	-0.24
919	920	11661.09	-0.33	-142.30	2.62	-274.14	0.12
920	920	11657.32	-0.33	-142.30	2.62	-280.82	0.12
920	921	11657.32	-0.33	-142.30	2.62	-444.42	0.49
921	921	11653.07	-0.38	-142.68	4.35	-450.52	-0.46
921	922	11653.07	-0.38	-142.68	4.35	-614.63	0.07
922	922	11649.32	-0.38	-142.68	4.35	-621.29	0.07
922	923	11649.32	-0.38	-142.68	4.35	-785.29	0.46
923	923	11645.08	-0.42	-143.08	6.04	-791.48	-0.46
923	924	11645.08	-0.42	-143.08	6.04	-956.06	0.00
924	924	11641.34	-0.42	-143.08	6.04	-962.64	0.00
924	925	11641.34	-0.42	-143.08	6.04	-1127.00	0.46
925	925	11637.11	-0.43	-143.46	7.98	-1133.31	-0.42
925	926	11637.11	-0.43	-143.46	7.98	-1298.09	0.07
926	926	11633.39	-0.43	-143.46	7.98	-1304.77	0.07
926	927	11633.39	-0.43	-143.46	7.98	-1469.77	0.54
927	927	11629.17	-0.43	-143.85	9.86	-1475.79	-0.34
927	928	11629.17	-0.43	-143.85	9.86	-1641.25	0.12
928	928	11625.45	-0.43	-143.85	9.86	-1647.83	0.12
928	929	11625.45	-0.43	-143.85	9.86	-1813.22	0.66
929	929	11621.24	-0.43	-144.25	11.38	-1819.22	-0.37
929	930	11621.24	-0.43	-144.25	11.38	-1985.22	0.12
930	930	11617.54	-0.43	-144.25	11.38	-1991.73	0.12
930	931	11617.54	-0.43	-144.25	11.38	-2157.56	0.66
931	931	11613.36	-0.43	-144.64	13.29	-2163.45	-0.37
931	932	11613.36	-0.43	-144.64	13.29	-2329.82	0.29

SANT BOI PRET(t=1): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
932	932	11609.67	-0.43	-144.64	13.29	-2336.43	0.29
932	933	11609.67	-0.43	-144.64	13.29	-2502.68	0.66
933	933	11605.47	-0.42	-145.02	15.05	-2508.57	-0.24
933	934	11605.47	-0.42	-145.02	15.05	-2675.36	0.24
934	934	11600.86	-0.42	-145.02	15.05	-2683.50	0.24
934	935	11600.86	-0.42	-145.02	15.05	-2850.26	0.66
935	935	11616.72	-0.40	-145.40	16.73	-2820.59	-0.07
935	936	11616.72	-0.40	-145.40	16.73	-2987.81	0.22
936	936	11621.18	-0.40	-145.40	16.73	-2979.91	0.22
936	937	11621.18	-0.40	-145.40	16.73	-3147.21	0.61
937	937	11625.11	-0.33	-145.80	18.62	-3138.55	-0.20
937	938	11625.11	-0.33	-145.80	18.62	-3306.21	0.17
938	938	11629.56	-0.33	-145.80	18.62	-3298.33	0.17
938	939	11629.56	-0.33	-145.80	18.62	-3465.88	0.49
939	939	11633.45	-0.21	-146.19	20.75	-3457.31	-0.37
939	940	11633.45	-0.21	-146.19	20.75	-3625.42	-0.24
940	940	11637.88	-0.21	-146.19	20.75	-3617.59	-0.24
940	941	11637.88	-0.21	-146.19	20.75	-3785.62	0.17
941	941	11641.74	-0.18	-146.59	23.07	-3776.77	-1.03
941	942	11641.74	-0.18	-146.59	23.07	-3945.41	-0.86
942	942	11646.16	-0.18	-146.59	23.07	-3937.61	-0.86
942	943	11646.16	-0.18	-146.59	23.07	-4106.23	-0.56
943	943	11649.97	-0.39	-147.16	26.47	-4096.91	-1.91
943	944	11649.97	-0.39	-147.16	26.47	-4266.31	-1.47
944	944	11654.38	-0.39	-147.16	26.47	-4258.45	-1.47
944	945	11654.38	-0.39	-147.16	26.47	-4427.64	-1.13
945	945	11647.20	-0.95	-521.62	32.37	-4416.87	-4.11
945	946	11647.20	-0.95	-521.62	32.37	-5016.92	-3.16
946	946	11651.59	-0.95	-521.76	32.37	-5009.32	-3.16
946	947	11651.59	-0.95	-521.76	32.37	-5609.66	-2.01
947	947	11667.42	-2.74	-150.92	37.82	-5599.00	-1.13
947	948	11667.42	-2.74	-150.92	37.82	-5772.41	1.96
948	948	11671.79	-2.74	-150.92	37.82	-5764.97	1.96
948	949	11671.79	-2.74	-150.92	37.82	-5938.63	5.21
949	949	11676.87	0.79	606.05	36.11	-5930.83	6.09
949	950	11676.87	0.79	606.05	36.11	-5233.96	5.26
950	950	11681.23	0.79	606.05	36.11	-5226.55	5.26
950	951	11681.23	0.79	606.05	36.11	-4529.44	4.33

SANT BOI PRET(t=1): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
951	951	11660.91	3.44	981.55	25.40	-4525.77	9.93
951	952	11660.91	3.44	981.55	25.40	-3396.30	5.95
952	952	11665.24	3.44	981.69	25.40	-3388.81	5.95
952	953	11665.24	3.44	981.69	25.40	-2259.39	2.03
953	953	11688.29	0.43	610.67	13.09	-2267.95	-0.86
953	954	11688.29	0.43	610.67	13.09	-1565.68	-1.30
954	954	11667.52	0.43	610.67	13.09	-1602.45	-1.30
954	955	11667.52	0.43	610.67	13.09	-900.30	-1.83
955	955	11663.98	-0.16	612.78	2.86	-910.70	-1.59
955	956	11663.98	-0.16	612.78	2.86	-205.86	-1.54
956	956	11660.21	-0.16	612.78	2.86	-212.56	-1.54
956	957	11660.21	-0.16	612.78	2.86	492.28	-1.35
957	957	11656.76	-0.02	614.74	-6.31	482.35	-0.56
957	958	11656.76	-0.02	614.74	-6.31	1189.24	-0.49
958	958	11652.99	-0.02	614.74	-6.31	1182.56	-0.49
958	959	11652.99	-0.02	614.74	-6.31	1889.46	-0.39
959	959	11649.60	0.21	616.55	-14.63	1879.94	0.32
959	960	11649.60	0.21	616.55	-14.63	2588.97	0.12
960	960	11645.84	0.21	616.55	-14.63	2582.31	0.12
960	961	11645.84	0.21	616.55	-14.63	3291.34	-0.05
961	961	11642.46	0.31	618.26	-22.58	3281.84	0.73
961	962	11642.46	0.31	618.26	-22.58	3993.05	0.37
962	962	11638.72	0.31	618.26	-22.58	3986.42	0.37
962	963	11638.72	0.31	618.26	-22.58	4697.33	0.00
963	963	11635.38	0.34	619.91	-30.26	4687.98	0.73
963	964	11635.38	0.34	619.91	-30.26	5400.89	0.32
964	964	11631.65	0.34	619.91	-30.26	5394.34	0.32
964	965	11631.65	0.34	619.91	-30.26	6107.30	-0.12
965	965	11628.29	0.34	621.54	-37.73	6098.05	0.61
965	966	11628.29	0.34	621.54	-37.73	6812.70	0.24
966	966	11624.58	0.34	621.54	-37.73	6806.12	0.24
966	967	11624.58	0.34	621.54	-37.73	7520.90	-0.17
967	967	11621.28	0.32	623.15	-44.82	7511.72	0.56
967	968	11621.28	0.32	623.15	-44.82	8228.18	0.07
968	968	11617.57	0.32	623.15	-44.82	8221.63	0.07
968	969	11617.57	0.32	623.15	-44.82	8938.36	-0.20
969	969	11614.28	0.29	624.74	-51.84	8929.09	0.44
969	970	11614.28	0.29	624.74	-51.84	9647.51	0.07

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
970	970	11610.59	0.29	624.74	-51.84	9640.97	0.07
970	971	11610.59	0.29	624.74	-51.84	10359.39	-0.20
971	971	11607.36	0.18	626.27	-58.45	10350.15	0.44
971	972	11607.36	0.18	626.27	-58.45	11070.25	0.37
972	972	11603.69	0.18	626.27	-58.45	11063.79	0.37
972	973	11603.69	0.18	626.27	-58.45	11784.10	0.05
973	973	11596.08	-0.09	627.70	-64.35	11767.14	0.81
973	974	11596.08	-0.09	627.70	-64.35	12488.91	0.86
974	974	11531.93	-0.09	627.70	-64.35	12375.34	0.86
974	975	11531.93	-0.09	627.70	-64.35	13097.29	0.90
975	975	11537.08	-0.53	629.04	-69.34	13102.91	1.66
975	976	11537.08	-0.53	629.04	-69.34	13826.23	2.32
976	976	11541.58	-0.53	629.04	-69.34	13834.15	2.32
976	977	11541.58	-0.53	629.04	-69.34	14557.66	2.94
977	977	11546.89	-0.96	630.49	-73.42	14562.85	4.09
977	978	11546.89	-0.96	630.49	-73.42	15287.85	5.19
978	978	11551.37	-0.96	630.49	-73.42	15295.75	5.19
978	979	11551.37	-0.96	630.49	-73.42	16020.95	6.24
979	979	11556.92	-0.24	632.84	-77.07	16025.16	9.39
979	980	11556.92	-0.24	632.84	-77.07	16752.87	9.69
980	980	11561.38	-0.24	632.84	-77.07	16760.82	9.69
980	981	11561.38	-0.24	632.84	-77.07	17488.57	9.88
981	981	11582.13	4.52	267.59	-82.28	17490.67	21.04
981	982	11582.13	4.52	267.59	-82.28	17798.48	15.93
982	982	11586.58	4.52	267.45	-82.28	17806.18	15.93
982	983	11586.58	4.52	267.45	-82.28	18114.01	10.74
983	983	11574.51	1.08	639.48	-72.91	18123.56	2.45
983	984	11574.51	1.08	639.48	-72.91	18858.98	1.27
984	984	11578.95	1.08	639.48	-72.91	18866.52	1.27
984	985	11578.95	1.08	639.48	-72.91	19601.91	0.07

TITULO
=======
SANT BOI PRET(t-I): 1.00*Pempuje Tendones superiores b

FICHERO DE GEOMETRIA COMPLETA
==========
GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS
==========
1

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
6	869	1138	55	PRET.TXT

Fich	Hipotesis	Caracter	Coeficiente
6	1	1	0.0000
6	2	1	0.0000
6	3	1	0.0000
6	4	1	0.0000
6	5	1	0.0000
6	6	1	0.0000
6	7	1	0.0000
6	8	1	0.0000
6	9	1	0.0000
6	10	1	0.0000
6	11	1	0.0000
6	12	1	0.0000
6	13	1	0.0000
6	14	1	0.0000
6	15	1	0.0000
6	16	1	0.0000
6	17	1	0.0000
6	18	1	0.0000
6	19	1	0.0000
6	20	1	0.0000
6	21	1	0.0000
6	22	1	0.0000
6	23	1	2.4466
6	24	1	2.4466
6	25	1	0.0000
6	26	1	0.0000
6	27	1	0.0000
6	28	1	0.0000
6	29	1	4.8932
6	30	1	2.4466
6	31	1	2.4466
6	32	1	2.4466
6	33	1	2.4466
6	34	1	0.0000
6	35	1	0.0000
6	36	1	0.0000
6	37	1	0.0000
6	38	1	0.0000
6	39	1	0.0000
6	40	1	0.0000
6	41	1	0.0000
6	42	1	0.0000
6	43	1	0.0000
6	44	1	0.0000
6	45	1	0.0000
6	46	1	0.0000
6	47	1	0.0000
6	48	1	0.0000
6	49	1	0.0000
6	50	1	2.4466
6	51	1	2.4466
6	52	1	4.8932
6	53	1	2.4466
6	54	1	0.0000
6	55	1	0.0000

COMBINACION DE ESFUERZOS

SANT BOI PRET(t=I): 1.30*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
1	1	2292.76	0.20	-172.88	-10.77	3097.00	0.39
1	2	2292.76	0.20	-172.88	-10.77	2898.19	0.05
2	2	2296.98	0.20	-172.88	-10.77	2903.89	0.05
2	3	2296.98	0.20	-172.88	-10.77	2705.11	-0.12
3	3	2305.57	0.79	-98.76	-11.67	2710.71	-0.95
3	4	2305.57	0.79	-98.76	-11.67	2597.04	-1.81
4	4	2309.77	0.79	-98.63	-11.67	2602.89	-1.81
4	5	2309.77	0.79	-98.63	-11.67	2489.39	-2.76
5	5	2309.21	0.18	-171.54	-10.30	2496.44	-0.88
5	6	2309.21	0.18	-171.54	-10.30	2299.27	-1.08
6	6	2313.40	0.18	-171.54	-10.30	2305.24	-1.08
6	7	2313.40	0.18	-171.54	-10.30	2107.92	-1.30
7	7	2317.29	0.04	-171.05	-9.30	2114.65	-0.56
7	8	2317.29	0.04	-171.05	-9.30	1918.01	-0.61
8	8	2321.46	0.04	-171.05	-9.30	1923.98	-0.61
8	9	2321.46	0.04	-171.05	-9.30	1727.25	-0.59
9	9	2325.38	0.06	-170.81	-8.47	1733.66	-0.22
9	10	2325.38	0.06	-170.81	-8.47	1537.20	-0.32
10	10	2329.54	0.06	-170.81	-8.47	1543.14	-0.32
10	11	2329.54	0.06	-170.81	-8.47	1346.80	-0.32
11	11	2333.45	0.11	-170.89	-8.34	1352.85	0.05
11	12	2333.45	0.11	-170.89	-8.34	1156.26	-0.15
12	12	2337.59	0.11	-170.89	-8.34	1162.18	-0.15
12	13	2337.59	0.11	-170.89	-8.34	965.72	-0.24
13	13	2341.51	0.15	-171.53	-9.76	971.06	0.15
13	14	2341.51	0.15	-171.53	-9.76	773.74	0.00
14	14	2345.64	0.15	-171.53	-9.76	779.63	0.00
14	15	2345.64	0.15	-171.53	-9.76	582.34	-0.20
15	15	2349.52	0.18	-172.86	-13.11	586.33	0.22
15	16	2349.52	0.18	-172.86	-13.11	387.52	0.00
16	16	4644.69	0.18	-172.86	-13.11	3665.47	0.00
16	17	4644.69	0.18	-172.86	-13.11	3466.78	-0.20
17	17	4652.78	0.20	-172.85	-14.19	3477.99	0.22
17	18	4652.78	0.20	-172.85	-14.19	3279.23	0.00
18	18	4661.09	0.20	-172.85	-14.19	3291.12	0.00
18	19	4661.09	0.20	-172.85	-14.19	3092.31	-0.20

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
19	19	4669.17	0.17	-172.21	-13.36	3104.83	0.20
19	20	4669.17	0.17	-172.21	-13.36	2906.78	0.00
20	20	4675.22	0.17	-172.21	-13.36	2915.42	0.00
20	21	4675.22	0.17	-172.21	-13.36	2717.41	-0.17
21	21	4675.10	0.12	-171.70	-12.36	2718.25	0.27
21	22	4675.10	0.12	-171.70	-12.36	2520.61	0.15
22	22	4675.21	0.12	-171.70	-12.36	2520.95	0.15
22	23	4675.21	0.12	-171.70	-12.36	2323.54	0.02
23	23	4675.08	0.06	-171.24	-11.01	2324.25	0.49
23	24	4675.08	0.06	-171.24	-11.01	2127.37	0.44
24	24	4675.19	0.06	-171.24	-11.01	2127.54	0.44
24	25	4675.19	0.06	-171.24	-11.01	1930.61	0.37
25	25	4675.08	0.11	-170.78	-9.47	1931.44	0.78
25	26	4675.08	0.11	-170.78	-9.47	1735.01	0.64
26	26	4675.19	0.11	-170.78	-9.47	1735.15	0.64
26	27	4675.19	0.11	-170.78	-9.47	1538.76	0.54
27	27	4667.22	0.44	-319.86	-8.05	1539.50	1.00
27	28	4667.22	0.44	-319.86	-8.05	1171.48	0.46
28	28	4667.32	0.44	-319.87	-8.05	1171.60	0.46
28	29	4667.32	0.44	-319.87	-8.05	803.59	-0.02
29	29	4675.45	0.28	-170.09	-6.36	804.37	-0.34
29	30	4675.45	0.28	-170.09	-6.36	608.86	-0.66
30	30	4675.55	0.28	-170.09	-6.36	608.98	-0.66
30	31	4675.55	0.28	-170.09	-6.36	413.30	-1.00
31	31	4675.75	0.02	-28.97	-3.33	414.48	-1.03
31	32	4675.75	0.02	-28.97	-3.33	381.28	-1.05
32	32	4675.86	0.02	-28.97	-3.33	381.40	-1.05
32	33	4675.86	0.02	-28.97	-3.33	347.98	-1.08
33	33	4674.50	-0.97	121.84	1.15	349.74	-0.46
33	34	4674.50	-0.97	121.84	1.15	490.01	0.69
34	34	4674.61	-0.97	121.84	1.15	490.15	0.69
34	35	4674.61	-0.97	121.84	1.15	630.32	1.79
35	35	4674.05	-0.11	-25.88	7.34	630.07	0.56
35	36	4674.05	-0.11	-25.88	7.34	600.32	0.73
36	36	2290.16	-0.11	-25.88	7.34	-2804.32	0.73
36	37	2290.16	-0.11	-25.88	7.34	-2834.07	0.78
37	37	2294.49	-0.01	-25.33	10.99	-2826.63	0.34
37	38	2294.49	-0.01	-25.33	10.99	-2855.74	0.34

SANT BOI PRET(t=1): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
38	38	2298.70	-0.01	-25.33	10.99	-2849.75	0.34
38	39	2298.70	-0.01	-25.33	10.99	-2878.87	0.42
39	39	2303.00	-0.01	-25.45	12.60	-2872.68	0.22
39	40	2303.00	-0.01	-25.45	12.60	-2901.94	0.20
40	40	2307.20	-0.01	-25.45	12.60	-2895.94	0.20
40	41	2307.20	-0.01	-25.45	12.60	-2925.28	0.20
41	41	2311.49	-0.03	-25.46	13.90	-2919.14	0.12
41	42	2311.49	-0.03	-25.46	13.90	-2948.45	0.05
42	42	2315.68	-0.03	-25.46	13.90	-2942.48	0.05
42	43	2315.68	-0.03	-25.46	13.90	-2971.79	0.12
43	43	2319.95	-0.05	-25.40	14.83	-2965.67	0.00
43	44	2319.95	-0.05	-25.40	14.83	-2994.86	0.00
44	44	2324.12	-0.05	-25.40	14.83	-2988.89	0.00
44	45	2324.12	-0.05	-25.40	14.83	-3018.10	0.12
45	45	2328.37	-0.06	-25.34	15.44	-3012.13	-0.02
45	46	2328.37	-0.06	-25.34	15.44	-3041.20	-0.02
46	46	2332.52	-0.06	-25.34	15.44	-3035.28	-0.02
46	47	2332.52	-0.06	-25.34	15.44	-3064.39	0.12
47	47	2336.75	-0.07	-25.36	15.56	-3058.52	-0.07
47	48	2336.75	-0.07	-25.36	15.56	-3087.68	-0.02
48	48	2340.89	-0.07	-25.36	15.56	-3081.76	-0.02
48	49	2340.89	-0.07	-25.36	15.56	-3110.90	0.05
49	49	2345.11	-0.07	-25.63	14.85	-3105.30	-0.07
49	50	2345.11	-0.07	-25.63	14.85	-3134.78	-0.07
50	50	2349.23	-0.07	-25.63	14.85	-3128.91	-0.07
50	51	2349.23	-0.07	-25.63	14.85	-3158.41	0.07
51	51	2353.44	-0.07	-26.53	12.31	-3153.40	-0.07
51	52	2353.44	-0.07	-26.53	12.31	-3184.01	-0.02
52	52	2357.55	-0.07	-26.53	12.31	-3178.13	-0.02
52	53	2357.55	-0.07	-26.53	12.31	-3208.64	0.12
53	53	2361.73	-0.07	-28.58	6.36	-3205.22	-0.10
53	54	2361.73	-0.07	-28.58	6.36	-3238.10	-0.02
54	54	2365.83	-0.07	-28.58	6.36	-3232.25	-0.02
54	55	2365.83	-0.07	-28.58	6.36	-3265.11	0.10
55	55	2367.72	-0.06	-32.01	-3.91	-3267.70	0.00
55	56	2367.72	-0.06	-32.01	-3.91	-3304.48	0.05
56	56	6945.75	-0.06	-32.01	-3.91	3233.92	0.05
56	57	6945.75	-0.06	-32.01	-3.91	3197.12	0.12

SANT BOI PRET(t=1): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
57	57	6950.15	-0.04	-32.80	-9.62	3200.74	0.00
57	58	6950.15	-0.04	-32.80	-9.62	3163.06	0.10
58	58	6954.51	-0.04	-32.80	-9.62	3169.28	0.10
58	59	6954.51	-0.04	-32.80	-9.62	3131.55	0.15
59	59	6958.93	-0.06	-32.37	-11.74	3137.76	0.00
59	60	6958.93	-0.06	-32.37	-11.74	3100.60	0.15
60	60	6963.27	-0.06	-32.37	-11.74	3106.74	0.15
60	61	6963.27	-0.06	-32.37	-11.74	3069.50	0.15
61	61	6967.66	-0.08	-32.22	-13.55	3075.65	0.02
61	62	6967.66	-0.08	-32.22	-13.55	3038.58	0.15
62	62	6971.98	-0.08	-32.22	-13.55	3044.74	0.15
62	63	6971.98	-0.08	-32.22	-13.55	3007.70	0.27
63	63	6976.34	-0.11	-32.25	-15.14	3013.65	0.17
63	64	6976.34	-0.11	-32.25	-15.14	2976.66	0.32
64	64	6980.64	-0.11	-32.25	-15.14	2982.85	0.32
64	65	6980.64	-0.11	-32.25	-15.14	2945.68	0.44
65	65	6984.93	-0.17	-32.29	-16.61	2951.48	0.49
65	66	6984.93	-0.17	-32.29	-16.61	2914.34	0.71
66	66	6989.23	-0.17	-32.29	-16.61	2920.51	0.71
66	67	6989.23	-0.17	-32.29	-16.61	2883.32	0.91
67	67	6988.69	-0.57	-256.23	-18.62	2888.99	2.18
67	68	6988.69	-0.57	-256.23	-18.62	2594.08	2.79
68	68	6992.96	-0.57	-256.37	-18.62	2600.03	2.79
68	69	6992.96	-0.57	-256.37	-18.62	2305.09	3.47
69	69	7002.22	0.47	-32.92	-20.18	2310.50	0.98
69	70	7002.22	0.47	-32.92	-20.18	2272.60	0.42
70	70	7006.48	0.47	-32.92	-20.18	2278.42	0.42
70	71	7006.48	0.47	-32.92	-20.18	2240.52	-0.10
71	71	7010.83	0.45	89.73	-17.59	2247.35	-0.54
71	72	7010.83	0.45	89.73	-17.59	2350.55	-1.03
72	72	7015.08	0.45	89.73	-17.59	2356.32	-1.03
72	73	7015.08	0.45	89.73	-17.59	2459.57	-1.59
73	73	7012.85	-1.02	316.57	-9.84	2468.30	-1.08
73	74	7012.85	-1.02	316.57	-9.84	2832.60	0.10
74	74	7017.08	-1.02	316.71	-9.84	2838.50	0.10
74	75	7017.08	-1.02	316.71	-9.84	3202.82	1.37
75	75	7023.01	0.11	95.82	1.81	3208.10	0.73
75	76	7023.01	0.11	95.82	1.81	3318.25	0.66

SANT BOI PRET(t-1): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
76	76	2291.22	0.11	95.82	1.81	-3439.70	0.66
76	77	2291.22	0.11	95.82	1.81	-3329.43	0.51
77	77	2295.34	0.18	96.59	7.73	-3320.89	0.51
77	78	2295.34	0.18	96.59	7.73	-3209.79	0.32
78	78	2299.55	0.18	96.59	7.73	-3203.77	0.32
78	79	2299.55	0.18	96.59	7.73	-3092.72	0.17
79	79	2303.64	0.15	95.99	9.44	-3086.95	0.39
79	80	2303.64	0.15	95.99	9.44	-2976.56	0.17
80	80	2307.84	0.15	95.99	9.44	-2970.56	0.17
80	81	2307.84	0.15	95.99	9.44	-2860.20	0.02
81	81	2311.91	0.13	95.62	10.30	-2854.64	0.24
81	82	2311.91	0.13	95.62	10.30	-2744.67	0.12
82	82	2316.09	0.13	95.62	10.30	-2738.70	0.12
82	83	2316.09	0.13	95.62	10.30	-2628.72	-0.07
83	83	2320.16	0.12	95.39	10.64	-2623.12	0.15
83	84	2320.16	0.12	95.39	10.64	-2513.44	0.02
84	84	2324.33	0.12	95.39	10.64	-2507.50	0.02
84	85	2324.33	0.12	95.39	10.64	-2397.77	-0.12
85	85	2328.38	0.11	95.18	10.32	-2392.19	0.10
85	86	2328.38	0.11	95.18	10.32	-2282.73	-0.02
86	86	2332.53	0.11	95.18	10.32	-2276.81	-0.02
86	87	2332.53	0.11	95.18	10.32	-2167.30	-0.15
87	87	2336.56	0.10	94.93	9.52	-2161.84	0.07
87	88	2336.56	0.10	94.93	9.52	-2052.72	0.00
88	88	2340.70	0.10	94.93	9.52	-2046.80	0.00
88	89	2340.70	0.10	94.93	9.52	-1937.66	-0.15
89	89	2344.72	0.09	94.52	8.07	-1932.42	0.02
89	90	2344.72	0.09	94.52	8.07	-1823.67	-0.02
90	90	2348.84	0.09	94.52	8.07	-1817.77	-0.02
90	91	2348.84	0.09	94.52	8.07	-1709.02	-0.17
91	91	2352.84	0.09	93.81	5.55	-1704.13	0.07
91	92	2352.84	0.09	93.81	5.55	-1596.33	-0.05
92	92	2356.95	0.09	93.81	5.55	-1590.46	-0.05
92	93	2356.95	0.09	93.81	5.55	-1482.57	-0.20
93	93	2360.93	0.09	92.51	1.37	-1478.41	0.07
93	94	2360.93	0.09	92.51	1.37	-1372.05	-0.05
94	94	2365.03	0.09	92.51	1.37	-1366.21	-0.05
94	95	2365.03	0.09	92.51	1.37	-1259.83	-0.15

SANT BOI PRET(t-1): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
95	95	2366.75	0.10	90.52	-4.99	-1260.32	0.10
95	96	2366.75	0.10	90.52	-4.99	-1156.19	0.00
96	96	4653.72	0.10	90.52	-4.99	2110.05	0.00
96	97	4653.72	0.10	90.52	-4.99	2214.17	-0.15
97	97	4653.73	0.13	89.85	-9.13	2212.61	0.05
97	98	4653.73	0.13	89.85	-9.13	2315.90	-0.05
98	98	4653.87	0.13	89.85	-9.13	2316.10	-0.05
98	99	4653.87	0.13	89.85	-9.13	2419.47	-0.22
99	99	4653.87	0.13	89.78	-11.62	2419.15	0.07
99	100	4653.87	0.13	89.78	-11.62	2522.44	-0.12
100	100	4654.02	0.13	89.78	-11.62	2522.62	-0.12
100	101	4654.02	0.13	89.78	-11.62	2625.89	-0.24
101	101	4654.00	0.13	89.55	-14.02	2625.54	0.02
101	102	4654.00	0.13	89.55	-14.02	2728.47	-0.22
102	102	4654.15	0.13	89.55	-14.02	2728.69	-0.22
102	103	4654.15	0.13	89.55	-14.02	2831.74	-0.29
103	103	4654.12	0.11	89.23	-16.39	2831.18	0.05
103	104	4654.12	0.11	89.23	-16.39	2933.86	-0.12
104	104	4654.26	0.11	89.23	-16.39	2934.06	-0.12
104	105	4654.26	0.11	89.23	-16.39	3036.62	-0.24
105	105	4654.22	-0.05	88.93	-18.94	3036.03	0.24
105	106	4654.22	-0.05	88.93	-18.94	3138.28	0.24
106	106	4654.36	-0.05	88.93	-18.94	3138.47	0.24
106	107	4654.36	-0.05	88.93	-18.94	3240.77	0.34
107	107	4654.61	-0.79	-60.53	-22.26	3239.93	2.15
107	108	4654.61	-0.79	-60.53	-22.26	3170.21	3.06
108	108	4654.75	-0.79	-60.54	-22.26	3170.40	3.06
108	109	4654.75	-0.79	-60.54	-22.26	3100.77	3.99
109	109	4654.97	0.50	87.98	-24.49	3100.48	0.81
109	110	4654.97	0.50	87.98	-24.49	3201.62	0.29
110	110	4655.10	0.50	87.98	-24.49	3201.82	0.29
110	111	4655.10	0.50	87.98	-24.49	3303.01	-0.37
111	111	4655.69	0.34	-219.07	-21.33	3304.84	-1.32
111	112	4655.69	0.34	-219.07	-21.33	3052.92	-1.81
112	112	4655.83	0.34	-219.07	-21.33	3053.11	-1.81
112	113	4655.83	0.34	-219.07	-21.33	2801.14	-2.18
113	113	4661.05	-1.35	-67.63	-13.11	2804.90	-2.45
113	114	4661.05	-1.35	-67.63	-13.11	2727.10	-0.86

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
114	114	4661.19	-1.35	-67.62	-13.11	2727.30	-0.86
114	115	4661.19	-1.35	-67.62	-13.11	2649.45	0.71
115	115	4654.48	-0.31	-213.77	-3.06	2651.11	-0.22
115	116	4654.48	-0.31	-213.77	-3.06	2405.30	0.24
116	116	2290.40	-0.31	-213.77	-3.06	-971.06	0.24
116	117	2290.40	-0.31	-213.77	-3.06	-1216.96	0.49
117	117	2294.83	-0.20	-212.61	3.45	-1208.16	-0.10
117	118	2294.83	-0.20	-212.61	3.45	-1452.62	0.12
118	118	2299.05	-0.20	-212.61	3.45	-1446.63	0.12
118	119	2299.05	-0.20	-212.61	3.45	-1691.09	0.37
119	119	2303.47	-0.19	-212.21	7.61	-1683.95	-0.12
119	120	2303.47	-0.19	-212.21	7.61	-1927.92	0.20
120	120	2307.66	-0.19	-212.21	7.61	-1921.95	0.20
120	121	2307.66	-0.19	-212.21	7.61	-2166.00	0.44
121	121	2312.09	-0.19	-211.71	11.28	-2158.90	-0.07
121	122	2312.09	-0.19	-211.71	11.28	-2402.39	0.12
122	122	2316.27	-0.19	-211.71	11.28	-2396.42	0.12
122	123	2316.27	-0.19	-211.71	11.28	-2639.88	0.37
123	123	2320.69	-0.19	-211.17	14.41	-2632.86	-0.12
123	124	2320.69	-0.19	-211.17	14.41	-2875.73	0.15
124	124	2324.86	-0.19	-211.17	14.41	-2869.76	0.15
124	125	2324.86	-0.19	-211.17	14.41	-3112.61	0.39
125	125	2329.28	-0.20	-210.70	17.05	-3105.74	-0.22
125	126	2329.28	-0.20	-210.70	17.05	-3348.05	0.12
126	126	2333.43	-0.20	-210.70	17.05	-3342.13	0.12
126	127	2333.43	-0.20	-210.70	17.05	-3584.44	0.32
127	127	2337.82	-0.19	-210.48	18.64	-3577.86	-0.22
127	128	2337.82	-0.19	-210.48	18.64	-3819.95	0.07
128	128	2341.96	-0.19	-210.48	18.64	-3814.03	0.07
128	129	2341.96	-0.19	-210.48	18.64	-4056.05	0.27
129	129	2346.34	-0.20	-210.89	18.37	-4050.25	-0.15
129	130	2346.34	-0.20	-210.89	18.37	-4292.80	0.07
130	130	2350.46	-0.20	-210.89	18.37	-4286.91	0.07
130	131	2350.46	-0.20	-210.89	18.37	-4529.42	0.29
131	131	2354.82	-0.20	-212.47	14.66	-4525.18	-0.15
131	132	2354.82	-0.20	-212.47	14.66	-4769.55	0.10
132	132	2358.93	-0.20	-212.47	14.66	-4763.68	0.10
132	133	2358.93	-0.20	-212.47	14.66	-5007.99	0.32

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
133	133	2363.23	-0.19	-215.43	6.73	-5006.60	-0.07
133	134	2363.23	-0.19	-215.43	6.73	-5254.22	0.12
134	134	6949.44	-0.19	-215.43	6.73	1295.79	0.12
134	135	6949.44	-0.19	-215.43	6.73	1048.00	0.34
135	135	6959.94	-0.19	-215.71	3.60	1060.99	-0.07
135	136	6959.94	-0.19	-215.71	3.60	812.96	0.12
136	136	6964.28	-0.19	-215.71	3.60	819.12	0.12
136	137	6964.28	-0.19	-215.71	3.60	571.04	0.39
137	137	6968.88	-0.23	-214.74	3.96	578.11	-0.10
137	138	6968.88	-0.23	-214.74	3.96	331.20	0.17
138	138	6973.20	-0.23	-214.74	3.96	337.39	0.17
138	139	6973.20	-0.23	-214.74	3.96	90.38	0.49
139	139	6977.79	-0.27	-213.99	5.06	97.47	0.00
139	140	6977.79	-0.27	-213.99	5.06	-148.58	0.27
140	140	6982.09	-0.27	-213.99	5.06	-142.44	0.27
140	141	6982.09	-0.27	-213.99	5.06	-388.47	0.61
141	141	6986.66	-0.27	-213.39	6.90	-381.35	0.15
141	142	6986.66	-0.27	-213.39	6.90	-626.77	0.46
142	142	6990.96	-0.27	-213.39	6.90	-620.65	0.46
142	143	6990.96	-0.27	-213.39	6.90	-866.07	0.78
143	143	6995.50	-0.11	-212.76	9.49	-858.83	0.22
143	144	6995.50	-0.11	-212.76	9.49	-1103.47	0.34
144	144	6999.78	-0.11	-212.76	9.49	-1097.37	0.34
144	145	6999.78	-0.11	-212.76	9.49	-1342.06	0.46
145	145	6994.04	0.63	-435.83	13.14	-1334.42	-1.13
145	146	6994.04	0.63	-435.83	13.14	-1835.95	-1.86
146	146	6998.31	0.63	-435.97	13.14	-1830.01	-1.86
146	147	6998.31	0.63	-435.97	13.14	-2331.59	-2.57
147	147	7012.76	-0.40	-211.58	15.51	-2325.13	-0.59
147	148	7012.76	-0.40	-211.58	15.51	-2568.47	-0.17
148	148	7017.01	-0.40	-211.58	15.51	-2562.67	-0.17
148	149	7017.01	-0.40	-211.58	15.51	-2805.98	0.24
149	149	7020.98	-0.27	304.00	13.31	-2801.63	0.93
149	150	7020.98	-0.27	304.00	13.31	-2452.08	1.20
150	150	7025.21	-0.27	304.00	13.31	-2446.36	1.20
150	151	7025.21	-0.27	304.00	13.31	-2096.71	1.52
151	151	7015.76	0.79	527.02	8.02	-2093.63	1.81
151	152	7015.76	0.79	527.02	8.02	-1467.26	0.91

SANT BOI PRET(t-1): 1.00*Pempuje Tendones superiores b

169	169	7011.30	0.17	294.78	-26.74	4570.79	0.24
169	170	7011.30	0.17	294.78	-26.74	4909.79	0.05
162	162	6982.08	0.14	297.88	-12.31	2146.45	0.10
162	163	6982.08	0.14	297.88	-12.31	2488.93	-0.10
163	163	6986.20	0.13	297.09	-15.98	2493.60	0.22
163	164	6986.20	0.13	297.09	-15.98	2835.29	0.15
153	154	7033.03	0.24	301.18	3.18	-531.06	0.17
154	154	6948.01	0.24	301.18	3.18	-652.46	0.17
154	155	6948.01	0.24	301.18	3.18	-306.12	-0.05
182	182	6968.94	1.34	73.19	-29.24	8639.83	3.79
182	183	6968.94	1.34	73.19	-29.24	8723.99	2.28
183	183	6960.35	0.07	300.52	-14.12	8726.97	0.93
183	184	6960.35	0.07	300.52	-14.12	9072.58	0.81
184	184	6956.49	0.07	300.52	-14.12	9067.34	0.81
184	185	6956.49	0.07	300.52	-14.12	9412.95	0.73
157	158	6960.80	0.15	299.50	-4.75	744.50	0.07
158	158	6965.13	0.15	299.50	-4.75	750.71	0.07
158	159	6965.13	0.15	299.50	-4.75	1095.12	-0.05
159	159	6969.30	0.14	298.69	-8.59	1099.82	0.20
159	160	6969.30	0.14	298.69	-8.59	1443.30	0.05
160	160	6973.62	0.14	298.69	-8.59	1449.49	0.05
160	161	6973.62	0.14	298.69	-8.59	1792.97	-0.12
161	161	6977.77	0.14	297.88	-12.31	1797.66	0.20
161	162	6977.77	0.14	297.88	-12.31	2140.31	0.10
152	152	7019.98	0.79	527.16	8.02	-1481.39	0.91
152	153	7019.98	0.79	527.16	8.02	-877.40	0.02
153	153	7033.03	0.24	301.18	3.18	-877.40	0.49
164	164	6990.49	0.13	297.09	-15.98	2841.41	0.15
164	165	6990.49	0.13	297.09	-15.98	3183.08	-0.10
165	165	6994.60	0.14	296.30	-19.60	3187.77	0.27
165	166	6994.60	0.14	296.30	-19.60	3528.49	0.12
166	166	6998.88	0.14	296.30	-19.60	3534.63	0.12
166	167	6998.88	0.14	296.30	-19.60	3875.41	-0.07
167	167	7002.98	0.15	295.53	-23.22	3880.23	0.27
167	168	7002.98	0.15	295.53	-23.22	4220.07	0.12
168	168	7007.24	0.15	295.53	-23.22	4226.11	0.12
168	169	7007.24	0.15	295.53	-23.22	4566.04	-0.02

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
170	170	7015.55	0.17	294.78	-26.74	4915.86	0.05
170	171	7015.55	0.17	294.78	-26.74	5254.86	-0.10

SANT BOI PRET(t=J): 1.00*Pempuje Tendones superiores b

169	169	7011.30	0.17	294.78	-26.74	4570.79	0.24
169	170	7011.30	0.17	294.78	-26.74	4909.79	0.05
171	171	7019.59	0.15	294.05	-30.14	5259.75	0.27
171	172	7019.59	0.15	294.05	-30.14	5597.92	0.12
172	172	7023.82	0.15	294.05	-30.14	5603.96	0.12
172	173	7023.82	0.15	294.05	-30.14	5942.11	-0.07
173	173	7023.34	0.08	293.34	-33.30	5940.69	0.39
173	174	7023.34	0.08	293.34	-33.30	6277.98	0.29
174	174	6996.51	0.08	293.34	-33.30	6239.66	0.29
174	175	6996.51	0.08	293.34	-33.30	6576.97	0.22
175	175	6992.27	-0.08	292.72	-36.16	6570.44	0.88
175	176	6992.27	-0.08	292.72	-36.16	6907.00	1.03
176	176	6988.35	-0.08	292.72	-36.16	6901.42	1.03
176	177	6988.35	-0.08	292.72	-36.16	7238.12	1.17
177	177	6984.04	-0.23	292.51	-37.70	7231.88	2.03
177	178	6984.04	-0.23	292.51	-37.70	7568.29	2.37
178	178	6980.13	-0.23	292.51	-37.70	7562.69	2.37
178	179	6980.13	-0.23	292.51	-37.70	7899.07	2.62
179	179	6975.72	0.04	293.44	-36.04	7894.20	3.52
179	180	6975.72	0.04	293.44	-36.04	8231.56	3.45
180	180	6971.83	0.04	293.44	-36.04	8226.03	3.45
180	181	6971.83	0.04	293.44	-36.04	8563.54	3.43
181	181	6972.82	1.34	73.07	-29.24	8561.22	5.31
181	182	6972.82	1.34	73.07	-29.24	8645.23	3.79
155	155	6952.25	0.18	300.33	-0.83	-301.52	0.34
155	156	6952.25	0.18	300.33	-0.83	43.84	0.15
156	156	6956.60	0.18	300.33	-0.83	50.03	0.15
156	157	6956.60	0.18	300.33	-0.83	385.47	-0.06
157	157	6960.80	0.15	299.50	-4.75	400.09	0.22

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SANT BOI PRET(t-I): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
B01	B01	2289.28	0.34	-172.94	-4.26	3100.18	-0.12
B01	B02	2289.28	0.34	-172.94	-4.26	2901.28	-0.49
B02	B02	2293.50	0.34	-172.94	-4.26	2906.98	-0.49
B02	B03	2293.50	0.34	-172.94	-4.26	2708.17	-0.93
B03	B03	2301.91	0.40	-97.99	-8.76	2711.42	-1.08
B03	B04	2301.91	0.40	-97.99	-8.76	2598.66	-1.57
B04	B04	2306.11	0.40	-97.85	-8.76	2604.50	-1.57
B04	B05	2306.11	0.40	-97.85	-8.76	2491.94	-2.06
B05	B05	2306.46	0.05	-170.83	-10.57	2497.15	-1.15
B05	B06	2306.46	0.05	-170.83	-10.57	2300.68	-1.22
B06	B06	2310.65	0.05	-170.83	-10.57	2306.68	-1.22
B06	B07	2310.65	0.05	-170.83	-10.57	2110.24	-1.25
B07	B07	2315.11	0.01	-170.67	-10.72	2116.31	-0.69
B07	B08	2315.11	0.01	-170.67	-10.72	1920.02	-0.66
B08	B08	2319.29	0.01	-170.67	-10.72	1925.99	-0.66
B08	B09	2319.29	0.01	-170.67	-10.72	1729.72	-0.69
B09	B09	2323.71	0.09	-170.90	-9.91	1736.11	-0.15
B09	B10	2323.71	0.09	-170.90	-9.91	1539.55	-0.24
B10	B10	2327.87	0.09	-170.90	-9.91	1545.49	-0.24
B10	B11	2327.87	0.09	-170.90	-9.91	1349.03	-0.29
B11	B11	2332.26	0.14	-171.36	-9.08	1355.61	0.20
B11	B12	2332.26	0.14	-171.36	-9.08	1158.51	-0.05
B12	B12	2336.41	0.14	-171.36	-9.08	1164.43	-0.05
B12	B13	2336.41	0.14	-171.36	-9.08	967.41	-0.17
B13	B13	2340.76	0.16	-171.99	-8.27	973.97	0.24
B13	B14	2340.76	0.16	-171.99	-8.27	776.16	0.07
B14	B14	2344.89	0.16	-171.99	-8.27	782.06	0.07
B14	B15	2344.89	0.16	-171.99	-8.27	584.32	-0.12
B15	B15	2349.21	0.17	-172.01	-9.20	589.56	0.27
B15	B16	2349.21	0.17	-172.01	-9.20	391.75	0.05
B16	B16	4644.38	0.17	-172.01	-9.20	3669.73	0.05
B16	B17	4644.38	0.17	-172.01	-9.20	3471.95	-0.10
B17	B17	4652.90	0.15	-170.68	-12.48	3481.85	0.20
B17	B18	4652.90	0.15	-170.68	-12.48	3285.64	0.02

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
B18	B18	4661.21	0.15	-170.68	-12.48	3297.48	0.02
B18	B19	4661.21	0.15	-170.68	-12.48	3101.14	-0.10
B19	B19	4669.73	0.10	-170.05	-13.65	3112.39	0.22
B19	B20	4669.73	0.10	-170.05	-13.65	2916.89	0.12
B20	B20	4675.78	0.10	-170.05	-13.65	2925.55	0.12
B20	B21	4675.78	0.10	-170.05	-13.65	2729.97	0.00
B21	B21	4676.12	0.05	-170.00	-13.11	2730.33	0.32
B21	B22	4676.12	0.05	-170.00	-13.11	2534.82	0.27
B22	B22	4676.23	0.05	-170.00	-13.11	2535.00	0.27
B22	B23	4676.23	0.05	-170.00	-13.11	2339.49	0.27
B23	B23	4676.56	0.02	-170.23	-11.84	2340.20	0.61
B23	B24	4676.56	0.02	-170.23	-11.84	2144.42	0.59
B24	B24	4676.67	0.02	-170.23	-11.84	2144.57	0.59
B24	B25	4676.67	0.02	-170.23	-11.84	1948.74	0.59
B25	B25	4676.99	0.20	-170.56	-10.10	1949.52	1.22
B25	B26	4676.99	0.20	-170.56	-10.10	1753.43	1.00
B26	B26	4677.10	0.20	-170.56	-10.10	1753.58	1.00
B26	B27	4677.10	0.20	-170.56	-10.10	1557.43	0.83
B27	B27	4669.55	1.01	-320.32	-8.69	1558.09	2.37
B27	B28	4669.55	1.01	-320.32	-8.69	1189.56	1.17
B28	B28	4669.65	1.01	-320.32	-8.69	1189.71	1.17
B28	B29	4669.65	1.01	-320.32	-8.69	821.18	0.02
B29	B29	4677.51	0.80	-171.37	-6.26	822.23	-0.46
B29	B30	4677.51	0.80	-171.37	-6.26	625.18	-1.37
B30	B30	4677.62	0.80	-171.37	-6.26	625.30	-1.37
B30	B31	4677.62	0.80	-171.37	-6.26	428.20	-2.35
B31	B31	4677.63	-0.50	-25.94	-3.18	429.35	-2.32
B31	B32	4677.63	-0.50	-25.94	-3.18	399.48	-1.76
B32	B32	4677.73	-0.50	-25.94	-3.18	399.63	-1.76
B32	B33	4677.73	-0.50	-25.94	-3.18	369.88	-1.25
B33	B33	4676.28	-1.20	123.45	-0.34	370.64	-2.10
B33	B34	4676.28	-1.20	123.45	-0.34	512.61	-0.76
B34	B34	4676.38	-1.20	123.45	-0.34	512.78	-0.76
B34	B35	4676.38	-1.20	123.45	-0.34	654.86	0.61
B35	B35	4675.71	-0.05	-26.70	3.28	653.32	1.17
B35	B36	4675.71	-0.05	-26.70	3.28	622.64	1.22
B36	B36	2291.82	-0.05	-26.70	3.28	-2782.05	1.22
B36	B37	2291.82	-0.05	-26.70	3.28	-2812.78	1.32

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
837	837	2295.96	0.17	-28.55	9.05	-2803.80	1.22
837	838	2295.96	0.17	-28.55	9.05	-2836.59	1.00
838	838	2300.17	0.17	-28.55	9.05	-2830.57	1.00
838	839	2300.17	0.17	-28.55	9.05	-2863.45	0.81
839	839	2304.27	0.09	-29.71	12.58	-2855.87	0.56
839	840	2304.27	0.09	-29.71	12.58	-2890.10	0.37
840	840	2308.47	0.09	-29.71	12.58	-2884.10	0.37
840	841	2308.47	0.09	-29.71	12.58	-2918.23	0.34
841	841	2312.55	-0.02	-30.28	14.31	-2911.50	0.02
841	842	2312.55	-0.02	-30.28	14.31	-2946.44	0.07
842	842	2316.73	-0.02	-30.28	14.31	-2940.47	0.07
842	843	2316.73	-0.02	-30.28	14.31	-2975.24	0.05
843	843	2320.80	-0.07	-30.51	14.95	-2968.95	-0.12
843	844	2320.80	-0.07	-30.51	14.95	-3004.06	-0.10
844	844	2324.97	-0.07	-30.51	14.95	-2998.11	-0.10
844	845	2324.97	-0.07	-30.51	14.95	-3033.15	0.02
845	845	2329.04	-0.09	-30.59	15.00	-3027.10	-0.15
845	846	2329.04	-0.09	-30.59	15.00	-3062.24	-0.07
846	846	2333.19	-0.09	-30.59	15.00	-3056.32	-0.07
846	847	2333.19	-0.09	-30.59	15.00	-3091.57	0.02
847	847	2337.24	-0.08	-30.62	14.53	-3085.58	-0.12
847	848	2337.24	-0.08	-30.62	14.53	-3120.81	-0.05
848	848	2341.38	-0.08	-30.62	14.53	-3114.89	-0.05
848	849	2341.38	-0.08	-30.62	14.53	-3150.14	0.05
849	849	2345.42	-0.08	-30.67	13.51	-3144.20	-0.07
849	850	2345.42	-0.08	-30.67	13.51	-3179.48	-0.07
850	850	2349.54	-0.08	-30.67	13.51	-3173.58	-0.07
850	851	2349.54	-0.08	-30.67	13.51	-3208.86	0.07
851	851	2353.57	-0.08	-30.89	12.21	-3202.84	-0.07
851	852	2353.57	-0.08	-30.89	12.21	-3238.37	-0.02
852	852	2357.68	-0.08	-30.89	12.21	-3232.50	-0.02
852	853	2357.68	-0.08	-30.89	12.21	-3268.07	0.15
853	853	2361.70	-0.10	-31.37	10.20	-3262.15	-0.07
853	854	2361.70	-0.10	-31.37	10.20	-3298.19	-0.02
854	854	2365.79	-0.10	-31.37	10.20	-3292.34	-0.02
854	855	2365.79	-0.10	-31.37	10.20	-3328.40	0.20
855	855	2367.52	-0.10	-30.59	4.60	-3328.33	-0.05
855	856	2367.52	-0.10	-30.59	4.60	-3363.51	0.00

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
856	856	6945.56	-0.10	-30.59	4.60	3174.88	0.00
856	857	6945.56	-0.10	-30.59	4.60	3139.65	0.15
857	857	6949.79	-0.09	-27.17	-5.68	3140.65	-0.12
857	858	6949.79	-0.09	-27.17	-5.68	3109.41	-0.02
858	858	6954.14	-0.09	-27.17	-5.68	3115.60	-0.02
858	859	6954.14	-0.09	-27.17	-5.68	3084.38	0.15
859	859	6958.40	-0.13	-25.09	-11.82	3088.00	0.00
859	860	6958.40	-0.13	-25.09	-11.82	3059.08	0.05
860	860	6962.74	-0.13	-25.09	-11.82	3065.27	0.05
860	861	6962.74	-0.13	-25.09	-11.82	3036.45	0.22
861	861	6967.01	-0.18	-24.16	-14.70	3041.52	0.05
861	862	6967.01	-0.18	-24.16	-14.70	3013.77	0.32
862	862	6971.33	-0.18	-24.16	-14.70	3019.96	0.32
862	863	6971.33	-0.18	-24.16	-14.70	2992.17	0.51
863	863	6975.61	-0.21	-23.79	-16.10	2997.87	0.44
863	864	6975.61	-0.21	-23.79	-16.10	2970.44	0.64
864	864	6979.91	-0.21	-23.79	-16.10	2976.63	0.64
864	865	6979.91	-0.21	-23.79	-16.10	2949.30	0.91
865	865	6984.22	-0.11	-23.54	-17.08	2955.00	0.98
865	866	6984.22	-0.11	-23.54	-17.08	2927.90	1.17
866	866	6988.51	-0.11	-23.54	-17.08	2934.01	1.17
866	867	6988.51	-0.11	-23.54	-17.08	2907.00	1.22
867	867	6988.71	0.21	-246.66	-18.91	2912.36	2.57
867	868	6988.71	0.21	-246.66	-18.91	2628.50	2.32
868	868	6992.99	0.21	-246.80	-18.91	2634.45	2.32
868	869	6992.99	0.21	-246.80	-18.91	2350.42	2.06
869	869	7001.24	0.11	-22.74	-19.47	2355.73	0.69
869	870	7001.24	0.11	-22.74	-19.47	2329.58	0.56
870	870	7005.51	0.11	-22.74	-19.47	2335.35	0.56
870	871	7005.51	0.11	-22.74	-19.47	2309.22	0.44
871	871	7009.68	0.53	94.18	-17.30	2315.12	-0.54
871	872	7009.68	0.53	94.18	-17.30	2423.41	-1.17
872	872	7013.93	0.53	94.18	-17.30	2429.18	-1.17
872	873	7013.93	0.53	94.18	-17.30	2537.47	-1.69
873	873	7011.58	-1.67	318.51	-13.21	2543.80	-4.70
873	874	7011.58	-1.67	318.51	-13.21	2910.26	-2.79
874	874	7015.81	-1.67	318.65	-13.21	2916.15	-2.79
874	875	7015.81	-1.67	318.65	-13.21	3282.82	-0.88

SANT BOI PRET(t=1): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
875	875	7022.49	0.05	93.20	-6.58	3285.27	1.32
875	876	7022.49	0.05	93.20	-6.58	3392.48	1.25
876	876	2290.71	0.05	93.20	-6.58	-3365.47	1.25
876	877	2290.71	0.05	93.20	-6.58	-3258.28	1.20
877	877	2295.11	0.37	89.81	3.89	-3246.88	1.69
877	878	2295.11	0.37	89.81	3.89	-3143.59	1.25
878	878	2299.32	0.37	89.81	3.89	-3137.59	1.25
878	879	2299.32	0.37	89.81	3.89	-3034.30	0.81
879	879	2303.64	0.29	87.84	9.64	-3025.83	0.88
879	880	2303.64	0.29	87.84	9.64	-2924.81	0.54
880	880	2307.83	0.29	87.84	9.64	-2918.82	0.54
880	881	2307.83	0.29	87.84	9.64	-2817.80	0.22
881	881	2312.13	0.16	87.05	11.74	-2811.02	0.24
881	882	2312.13	0.16	87.05	11.74	-2710.91	0.15
882	882	2316.31	0.16	87.05	11.74	-2704.94	0.15
882	883	2316.31	0.16	87.05	11.74	-2604.77	-0.07
883	883	2320.59	0.10	86.94	11.79	-2598.80	0.10
883	884	2320.59	0.10	86.94	11.79	-2498.83	-0.07
884	884	2324.76	0.10	86.94	11.79	-2492.89	-0.07
884	885	2324.76	0.10	86.94	11.79	-2392.87	-0.12
885	885	2329.02	0.08	87.09	10.96	-2387.12	0.12
885	886	2329.02	0.08	87.09	10.96	-2287.06	0.00
886	886	2333.18	0.08	87.09	10.96	-2281.14	0.00
886	887	2333.18	0.08	87.09	10.96	-2180.95	-0.10
887	887	2337.43	0.09	87.32	9.59	-2175.42	0.02
887	888	2337.43	0.09	87.32	9.59	-2075.01	-0.07
888	888	2341.57	0.09	87.32	9.59	-2069.09	-0.07
888	889	2341.57	0.09	87.32	9.59	-1968.66	-0.17
889	889	2345.81	0.09	87.56	7.90	-1963.15	0.02
889	890	2345.81	0.09	87.56	7.90	-1862.47	-0.05
890	890	2349.94	0.09	87.56	7.90	-1856.58	-0.05
890	891	2349.94	0.09	87.56	7.90	-1755.88	-0.17
891	891	2354.17	0.10	87.72	5.99	-1750.40	0.07
891	892	2354.17	0.10	87.72	5.99	-1649.50	-0.02
892	892	2358.27	0.10	87.72	5.99	-1643.63	-0.02
892	893	2358.27	0.10	87.72	5.99	-1542.80	-0.15
893	893	2362.50	0.09	87.76	3.67	-1537.35	0.10
893	894	2362.50	0.09	87.76	3.67	-1436.42	-0.05

SANT BOI PRET(t=1): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
894	894	2366.59	0.09	87.76	3.67	-1430.58	-0.05
894	895	2366.59	0.09	87.76	3.67	-1329.63	-0.12
895	895	2368.54	0.09	88.42	-0.37	-1328.72	0.10
895	896	2368.54	0.09	88.42	-0.37	-1227.02	-0.05
896	896	4655.52	0.09	88.42	-0.37	2039.27	-0.05
896	897	4655.52	0.09	88.42	-0.37	2140.90	-0.17
897	897	4655.76	0.08	90.41	-6.83	2138.08	0.10
897	898	4655.76	0.08	90.41	-6.83	2242.04	-0.05
898	898	4655.90	0.08	90.41	-6.83	2242.24	-0.05
898	899	4655.90	0.08	90.41	-6.83	2346.19	-0.17
899	899	4656.18	0.03	91.73	-11.03	2344.70	0.10
899	900	4656.18	0.03	91.73	-11.03	2450.07	0.02
900	900	4656.32	0.03	91.73	-11.03	2450.29	0.02
900	901	4656.32	0.03	91.73	-11.03	2555.74	-0.02
901	901	4656.62	-0.04	92.47	-13.90	2554.98	0.20
901	902	4656.62	-0.04	92.47	-13.90	2661.29	0.20
902	902	4656.76	-0.04	92.47	-13.90	2661.48	0.20
902	903	4656.76	-0.04	92.47	-13.90	2767.84	0.34
903	903	4657.07	-0.07	92.95	-15.95	2767.23	0.59
903	904	4657.07	-0.07	92.95	-15.95	2874.09	0.66
904	904	4657.21	-0.07	92.95	-15.95	2874.29	0.66
904	905	4657.21	-0.07	92.95	-15.95	2981.26	0.76
905	905	4657.53	0.09	93.44	-18.03	2980.52	1.27
905	906	4657.53	0.09	93.44	-18.03	3087.95	1.10
906	906	4657.67	0.09	93.44	-18.03	3088.15	1.10
906	907	4657.67	0.09	93.44	-18.03	3195.68	1.05
907	907	4658.81	0.51	-54.64	-21.29	3194.31	2.81
907	908	4658.81	0.51	-54.64	-21.29	3131.45	2.20
908	908	4658.95	0.51	-54.65	-21.29	3131.65	2.20
908	909	4658.95	0.51	-54.65	-21.29	3068.77	1.64
909	909	4657.95	1.27	95.22	-23.49	3067.50	0.66
909	910	4657.95	1.27	95.22	-23.49	3177.08	-0.83
910	910	4658.09	1.27	95.22	-23.49	3177.25	-0.83
910	911	4658.09	1.27	95.22	-23.49	3286.81	-2.28
911	911	4657.78	-0.34	-205.11	-21.87	3286.91	-3.16
911	912	4657.78	-0.34	-205.11	-21.87	3051.03	-2.76
912	912	4657.92	-0.34	-205.11	-21.87	3051.20	-2.76
912	913	4657.92	-0.34	-205.11	-21.87	2815.30	-2.45

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
913	913	4661.81	-2.26	-56.80	-15.95	2817.06	-6.17
913	914	4661.81	-2.26	-56.80	-15.95	2751.67	-3.57
914	914	4661.95	-2.26	-56.79	-15.95	2751.86	-3.57
914	915	4661.95	-2.26	-56.79	-15.95	2686.54	-0.98
915	915	4655.64	-0.27	-207.13	-8.59	2686.42	0.86
915	916	4655.64	-0.27	-207.13	-8.59	2448.29	1.22
916	916	2291.57	-0.27	-207.13	-8.59	-928.09	1.22
916	917	2291.57	-0.27	-207.13	-8.59	-1166.37	1.54
917	917	2295.62	0.11	-209.55	0.34	-1156.36	1.35
917	918	2295.62	0.11	-209.55	0.34	-1397.35	1.25
918	918	2299.83	0.11	-209.55	0.34	-1391.33	1.25
918	919	2299.83	0.11	-209.55	0.34	-1632.25	1.13
919	919	2303.81	0.02	-211.26	6.65	-1623.81	0.51
919	920	2303.81	0.02	-211.26	6.65	-1866.78	0.54
920	920	2308.01	0.02	-211.26	6.65	-1860.79	0.54
920	921	2308.01	0.02	-211.26	6.65	-2103.76	0.59
921	921	2311.95	-0.12	-212.36	10.77	-2096.22	-0.07
921	922	2311.95	-0.12	-212.36	10.77	-2340.44	0.05
922	922	2316.13	-0.12	-212.36	10.77	-2334.47	0.05
922	923	2316.13	-0.12	-212.36	10.77	-2578.69	0.22
923	923	2320.05	-0.20	-213.08	13.63	-2571.69	-0.34
923	924	2320.05	-0.20	-213.08	13.63	-2816.67	-0.05
924	924	2324.22	-0.20	-213.08	13.63	-2810.73	-0.05
924	925	2324.22	-0.20	-213.08	13.63	-3055.83	0.15
925	925	2328.13	-0.22	-213.64	15.63	-3048.98	-0.32
925	926	2328.13	-0.22	-213.64	15.63	-3294.64	-0.07
926	926	2332.28	-0.22	-213.64	15.63	-3288.72	-0.07
926	927	2332.28	-0.22	-213.64	15.63	-3534.41	0.20
927	927	2336.18	-0.23	-214.18	17.03	-3527.68	-0.27
927	928	2336.18	-0.23	-214.18	17.03	-3774.00	-0.02
928	928	2340.31	-0.23	-214.18	17.03	-3768.08	-0.02
928	929	2340.31	-0.23	-214.18	17.03	-4014.43	0.29
929	929	2344.19	-0.23	-214.89	17.81	-4007.63	-0.22
929	930	2344.19	-0.23	-214.89	17.81	-4254.71	0.10
930	930	2348.31	-0.23	-214.89	17.81	-4248.81	0.10
930	931	2348.31	-0.23	-214.89	17.81	-4495.97	0.29
931	931	2352.19	-0.24	-215.85	18.06	-4489.19	-0.22
931	932	2352.19	-0.24	-215.85	18.06	-4737.38	0.12

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
932	932	2356.30	-0.24	-215.85	18.06	-4731.53	0.12
932	933	2356.30	-0.24	-215.85	18.06	-4979.79	0.42
933	933	2360.11	-0.23	-215.56	14.70	-4975.63	-0.17
933	934	2360.11	-0.23	-215.56	14.70	-5223.52	0.17
934	934	6946.32	-0.23	-215.56	14.70	1326.52	0.17
934	935	6946.32	-0.23	-215.56	14.70	1078.66	0.39
935	935	6956.31	-0.21	-212.61	6.70	1088.93	-0.17
935	936	6956.31	-0.21	-212.61	6.70	844.44	0.07
936	936	6960.65	-0.21	-212.61	6.70	850.63	0.07
936	937	6960.65	-0.21	-212.61	6.70	606.10	0.29
937	937	6964.71	-0.20	-211.05	2.91	610.74	-0.15
937	938	6964.71	-0.20	-211.05	2.91	368.04	0.07
938	938	6969.03	-0.20	-211.05	2.91	374.23	0.07
938	939	6969.03	-0.20	-211.05	2.91	131.43	0.34
939	939	6973.08	-0.16	-210.63	2.47	137.57	-0.24
939	940	6973.08	-0.16	-210.63	2.47	-104.73	-0.02
940	940	6977.39	-0.16	-210.63	2.47	-98.57	-0.02
940	941	6977.39	-0.16	-210.63	2.47	-340.71	0.20
941	941	6981.42	-0.17	-210.83	3.89	-333.89	-0.29
941	942	6981.42	-0.17	-210.83	3.89	-576.37	-0.12
942	942	6985.72	-0.17	-210.83	3.89	-570.18	-0.12
942	943	6985.72	-0.17	-210.83	3.89	-812.66	0.05
943	943	6989.74	-0.24	-211.30	6.19	-805.54	-0.49
943	944	6989.74	-0.24	-211.30	6.19	-1048.49	-0.20
944	944	6994.02	-0.24	-211.30	6.19	-1042.37	-0.20
944	945	6994.02	-0.24	-211.30	6.19	-1285.37	0.05
945	945	6987.55	-0.24	-435.97	9.76	-1277.64	-0.81
945	946	6987.55	-0.24	-435.97	9.76	-1779.22	-0.56
946	946	6991.81	-0.24	-436.11	9.76	-1773.30	-0.56
946	947	6991.81	-0.24	-436.11	9.76	-2275.04	-0.29
947	947	7006.68	-1.24	-213.57	13.31	-2267.24	-0.39
947	948	7006.68	-1.24	-213.57	13.31	-2512.80	1.05
948	948	7010.93	-1.24	-213.57	13.31	-2507.06	1.05
948	949	7010.93	-1.24	-213.57	13.31	-2752.67	2.45
949	949	7015.45	0.40	288.80	13.90	-2746.31	2.72
949	950	7015.45	0.40	288.80	13.90	-2414.16	2.28
950	950	7019.69	0.40	288.80	13.90	-2408.46	2.28
950	951	7019.69	0.40	288.80	13.90	-2076.33	1.81

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
951	951	7011.38	1.44	513.98	9.74	-2077.85	4.09
951	952	7011.38	1.44	513.98	9.74	-1480.49	2.35
952	952	7015.59	1.44	514.11	9.74	-1474.61	2.35
952	953	7015.59	1.44	514.11	9.74	-883.10	0.76
953	953	7028.21	0.19	290.56	4.70	-885.40	-0.42
953	954	7028.21	0.19	290.56	4.70	-551.22	-0.69
954	954	6943.20	0.19	290.56	4.70	-672.64	-0.69
954	955	6943.20	0.19	290.56	4.70	-338.49	-0.81
955	955	6947.69	-0.06	291.48	0.20	-333.86	-0.69
955	956	6947.69	-0.06	291.48	0.20	1.37	-0.69
956	956	6952.04	-0.06	291.48	0.20	7.56	-0.69
956	957	6952.04	-0.06	291.48	0.20	342.84	-0.56
957	957	6956.54	0.00	292.37	-3.99	347.61	-0.20
957	958	6956.54	0.00	292.37	-3.99	683.80	-0.17
958	958	6960.88	0.00	292.37	-3.99	690.01	-0.17
958	959	6960.88	0.00	292.37	-3.99	1026.23	-0.17
959	959	6965.37	0.09	293.22	-7.88	1031.07	0.20
959	960	6965.37	0.09	293.22	-7.88	1368.26	0.07
960	960	6969.69	0.09	293.22	-7.88	1374.45	0.07
960	961	6969.69	0.09	293.22	-7.88	1711.57	-0.02
961	961	6974.17	0.15	294.03	-11.67	1716.53	0.32
961	962	6974.17	0.15	294.03	-11.67	2054.53	0.15
962	962	6978.48	0.15	294.03	-11.67	2060.72	0.15
962	963	6978.48	0.15	294.03	-11.67	2398.87	0.00
963	963	6982.96	0.15	294.83	-15.39	2403.74	0.29
963	964	6982.96	0.15	294.83	-15.39	2742.76	0.10
964	964	6987.25	0.15	294.83	-15.39	2748.93	0.10
964	965	6987.25	0.15	294.83	-15.39	3087.95	-0.05
965	965	6991.71	0.15	295.63	-19.01	3092.72	0.29
965	966	6991.71	0.15	295.63	-19.01	3432.73	0.07
966	966	6995.99	0.15	295.63	-19.01	3438.84	0.07
966	967	6995.99	0.15	295.63	-19.01	3778.87	-0.12
967	967	7000.43	0.15	296.41	-22.56	3783.59	0.24
967	968	7000.43	0.15	296.41	-22.56	4124.50	0.07
968	968	7004.70	0.15	296.41	-22.56	4130.59	0.07
968	969	7004.70	0.15	296.41	-22.56	4471.43	-0.10
969	969	7009.14	0.13	297.18	-25.89	4476.15	0.20
969	970	7009.14	0.13	297.18	-25.89	4817.99	0.10

SANT BOI PRET(t=I): 1.00*Pempuje Tendones superiores b

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
970	970	7013.39	0.13	297.18	-25.89	4824.06	0.10
970	971	7013.39	0.13	297.18	-25.89	5165.78	-0.12
971	971	7017.84	0.08	297.94	-29.14	5170.52	0.24
971	972	7017.84	0.08	297.94	-29.14	5513.17	0.17
972	972	7022.07	0.08	297.94	-29.14	5519.26	0.17
972	973	7022.07	0.08	297.94	-29.14	5861.86	0.07
973	973	7022.08	-0.06	298.65	-31.98	5860.29	0.37
973	974	7022.08	-0.06	298.65	-31.98	6203.75	0.46
974	974	6995.26	-0.06	298.65	-31.98	6165.43	0.46
974	975	6995.26	-0.06	298.65	-31.98	6508.86	0.46
975	975	6991.64	-0.27	299.29	-34.30	6502.06	0.86
975	976	6991.64	-0.27	299.29	-34.30	6846.27	1.08
976	976	6987.72	-0.27	299.29	-34.30	6840.67	1.08
976	977	6987.72	-0.27	299.29	-34.30	7184.78	1.44
977	977	6984.19	-0.48	299.98	-36.16	7177.96	1.98
977	978	6984.19	-0.48	299.98	-36.16	7522.93	2.54
978	978	6980.28	-0.48	299.98	-36.16	7517.37	2.54
978	979	6980.28	-0.48	299.98	-36.16	7862.34	3.08
979	979	6976.88	-0.12	301.10	-37.82	7855.10	4.60
979	980	6976.88	-0.12	301.10	-37.82	8201.27	4.72
980	980	6972.99	-0.12	301.10	-37.82	8195.77	4.72
980	981	6972.99	-0.12	301.10	-37.82	8542.01	4.80
981	981	6976.10	2.22	80.42	-40.20	8533.74	10.37
981	982	6976.10	2.22	80.42	-40.20	8626.34	7.76
982	982	6972.22	2.22	80.54	-40.20	8620.94	7.76
982	983	6972.22	2.22	80.54	-40.20	8713.57	5.28
983	983	6961.22	0.51	304.17	-35.28	8709.41	7.17
983	984	6961.22	0.51	304.17	-35.28	9059.25	0.56
984	984	6957.35	0.51	304.17	-35.28	9054.01	0.56
984	985	6957.35	0.51	304.17	-35.28	9403.73	-0.07

7.5.1.1.7. Pretensado Empuje Inferior t=∞

TITULO
SANT BOI PRET(t=I): 1.00*Pempuje Tendones inferiores

FICHERO DE GEOMETRIA COMPLETA
GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS
1

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
6	969	1138	55	PRET.TXT

Fich	Hipotesis	Caracter	Coeficiente
6	1	1	7.8291
6	2	1	7.8291
6	3	1	5.8719
6	4	1	5.8719
6	5	1	5.8719
6	6	1	5.8719
6	7	1	7.8291
6	8	1	5.8719
6	9	1	5.8719
6	10	1	5.8719
6	11	1	5.8719
6	12	1	0.0000
6	13	1	0.0000
6	14	1	0.0000
6	15	1	0.0000
6	16	1	0.0000
6	17	1	0.0000
6	18	1	0.0000
6	19	1	0.0000
6	20	1	0.0000
6	21	1	0.0000
6	22	1	0.0000
6	23	1	0.0000
6	24	1	0.0000
6	25	1	0.0000
6	26	1	0.0000
6	27	1	0.0000
6	28	1	0.0000
6	29	1	0.0000
6	30	1	0.0000
6	31	1	0.0000
6	32	1	0.0000
6	33	1	0.0000
6	34	1	0.0000
6	35	1	0.0000
6	36	1	0.0000
6	37	1	0.0000
6	38	1	0.0000
6	39	1	0.0000
6	40	1	0.0000
6	41	1	0.0000
6	42	1	0.0000
6	43	1	0.0000
6	44	1	0.0000
6	45	1	0.0000
6	46	1	0.0000
6	47	1	0.0000
6	48	1	0.0000
6	49	1	0.0000
6	50	1	0.0000
6	51	1	0.0000
6	52	1	0.0000
6	53	1	0.0000
6	54	1	0.0000
6	55	1	0.0000

COMBINACION DE ESFUERZOS

SANT BOI PRET(t=I): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
1	1	10983.92	-0.51	630.24	62.73	-17669.45	-0.04
1	2	10983.92	-0.51	630.24	62.73	-16944.52	0.57
2	2	11004.16	-0.51	630.24	62.73	-16977.11	0.57
2	3	11004.16	-0.51	630.24	62.73	-16252.46	1.23
3	3	10997.57	-3.91	980.12	68.53	-16284.44	7.56
3	4	10997.57	-3.91	980.12	68.53	-15156.76	12.04
4	4	11017.73	-3.91	980.76	68.53	-15188.47	12.04
4	5	11017.73	-3.91	980.76	68.53	-14060.05	16.60
5	5	11065.45	-0.24	623.15	62.24	-14096.81	6.93
5	6	11065.45	-0.24	623.15	62.24	-13380.10	7.22
6	6	11085.56	-0.24	623.15	62.24	-13410.99	7.22
6	7	11085.56	-0.24	623.15	62.24	-12694.34	7.54
7	7	11106.79	0.40	621.05	58.05	-12728.52	4.46
7	8	11106.79	0.40	621.05	58.05	-12014.38	3.82
8	8	11126.82	0.40	621.05	58.05	-12045.20	3.82
8	9	11126.82	0.40	621.05	58.05	-11330.97	3.35
9	9	11147.76	0.14	619.65	53.69	-11364.12	1.82
9	10	11147.76	0.14	619.65	53.69	-10651.64	1.70
10	10	11167.73	0.14	619.65	53.69	-10682.30	1.70
10	11	11167.73	0.14	619.65	53.69	-9969.62	1.53
11	11	11188.45	-0.19	618.26	48.38	-10002.68	0.53
11	12	11188.45	-0.19	618.26	48.38	-9291.79	0.70
12	12	11208.34	-0.19	618.26	48.38	-9322.44	0.70
12	13	11208.34	-0.19	618.26	48.38	-8611.41	0.88
13	13	11228.92	-0.40	616.74	41.87	-8644.47	-0.12
13	14	11228.92	-0.40	616.74	41.87	-7935.19	0.23
14	14	11248.76	-0.40	616.74	41.87	-7965.66	0.23
14	15	11248.76	-0.40	616.74	41.87	-7256.47	0.70
15	15	11269.22	-0.50	615.12	34.92	-7289.63	-0.29
15	16	11269.22	-0.50	615.12	34.92	-6582.24	0.23
16	16	11148.13	-0.50	615.12	34.92	-6396.04	0.23
16	17	11148.13	-0.50	615.12	34.92	-5688.58	0.65
17	17	11168.76	-0.52	613.52	27.72	-5722.16	-0.41
17	18	11168.76	-0.52	613.52	27.72	-5016.52	0.23
18	18	11188.70	-0.52	613.52	27.72	-5047.23	0.23
18	19	11188.70	-0.52	613.52	27.72	-4341.64	0.70

SANT BOI PRET(t=I): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
19	19	11209.24	-0.49	611.92	20.47	-4374.86	-0.29
19	20	11209.24	-0.49	611.92	20.47	-3671.15	0.18
20	20	11223.76	-0.49	611.92	20.47	-3693.46	0.18
20	21	11223.76	-0.49	611.92	20.47	-2989.89	0.67
21	21	11224.63	-0.34	610.29	12.80	-2992.92	-0.53
21	22	11224.63	-0.34	610.29	12.80	-2291.29	-0.18
22	22	11224.89	-0.34	610.29	12.80	-2291.64	-0.18
22	23	11224.89	-0.34	610.29	12.80	-1589.85	0.20
23	23	11225.75	-0.21	608.68	5.15	-1593.02	-1.06
23	24	11225.75	-0.21	608.68	5.15	-893.13	-0.82
24	24	11226.00	-0.21	608.68	5.15	-893.48	-0.82
24	25	11226.00	-0.21	608.68	5.15	-193.44	-0.45
25	25	11226.75	-0.50	607.23	-2.51	-196.55	-1.41
25	26	11226.75	-0.50	607.23	-2.51	501.78	-0.82
26	26	11227.00	-0.50	607.23	-2.51	501.37	-0.82
26	27	11227.00	-0.50	607.23	-2.51	1199.69	-0.18
27	27	11241.14	-2.31	246.49	-9.71	1196.97	0.84
27	28	11241.14	-2.31	246.49	-9.71	1480.51	3.52
28	28	11241.39	-2.31	246.49	-9.71	1480.09	3.52
28	29	11241.39	-2.31	246.49	-9.71	1763.77	6.15
29	29	11228.17	0.04	604.46	-17.30	1760.89	2.64
29	30	11228.17	0.04	604.46	-17.30	2456.06	2.72
30	30	11228.43	0.04	604.46	-17.30	2455.59	2.72
30	31	11228.43	0.04	604.46	-17.30	3150.71	2.80
31	31	11228.61	0.71	-99.26	-20.94	3149.61	1.96
31	32	11228.61	0.71	-99.26	-20.94	3035.40	1.14
32	32	11228.86	0.71	-99.26	-20.94	3034.99	1.14
32	33	11228.86	0.71	-99.26	-20.94	2920.92	0.37
33	33	11226.54	0.98	260.38	-20.59	2921.04	-0.72
33	34	11226.54	0.98	260.38	-20.59	3220.78	-1.70
34	34	11226.78	0.98	260.39	-20.59	3220.31	-1.70
34	35	11226.78	0.98	260.39	-20.59	3519.97	-2.82
35	35	11223.52	0.46	-98.04	-18.69	3529.01	-0.37
35	36	11223.52	0.46	-98.04	-18.69	3416.21	-0.80
36	36	11174.90	0.46	-98.04	-18.69	3490.96	-0.80
36	37	11174.90	0.46	-98.04	-18.69	3378.14	-1.31
37	37	11174.79	0.24	-97.62	-17.22	3378.50	-0.14
37	38	11174.79	0.24	-97.62	-17.22	3266.17	-0.53

56	56	11170.95	0.32	-95.30	-7.46	1274.31	-0.08

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
38	38	11175.14	0.24	-97.62	-17.22	3265.64	-0.53
38	39	11175.14	0.24	-97.62	-17.22	3153.37	-0.86
39	39	11175.06	0.23	-97.31	-16.25	3153.48	0.08
50	50	11176.84	0.32	-96.07	-11.06	1926.17	0.12
50	51	11176.84	0.32	-96.07	-11.06	1815.57	-0.39
51	51	11176.80	0.32	-95.82	-9.79	1815.61	0.23
51	52	11176.80	0.32	-95.82	-9.79	1705.39	0.06
52	52	11177.13	0.32	-95.82	-9.79	1704.86	0.06
52	53	11177.13	0.32	-95.82	-9.79	1594.64	-0.33
42	42	11175.68	0.26	-97.05	-15.25	2816.98	0.06
42	43	11175.68	0.26	-97.05	-15.25	2705.26	-0.39
43	43	11175.63	0.29	-96.81	-14.09	2705.46	0.29
55	55	11172.02	0.32	-95.30	-7.46	1382.30	0.29
55	44	11173.97	0.23	-96.87	-17.65	1033.52	0.72
44	45	11175.97	0.29	-96.81	-14.09	2482.23	-0.39
56	57	11170.95	0.32	-95.30	-7.46	1164.70	-0.45
45	46	11175.91	0.31	-96.55	-13.07	2371.03	0.12
46	46	11176.25	0.31	-96.55	-13.07	2370.50	0.12
46	47	11176.25	0.31	-96.55	-13.07	2259.41	-0.33
47	47	11176.21	0.32	-96.32	-12.14	2259.37	0.29
47	48	11176.21	0.32	-96.32	-12.14	2148.56	0.12
75	76	11170.74	-0.33	-35.05	4.83	-542.06	-0.04
48	49	11176.55	0.32	-96.32	-12.14	2037.35	-0.39
49	49	11176.51	0.32	-96.07	-11.06	2037.13	0.29
49	50	11176.51	0.32	-96.07	-11.06	1926.70	0.12
39	40	11175.06	0.23	-97.31	-16.25	3041.55	-0.23
40	40	11175.39	0.23	-97.31	-16.25	3041.08	-0.23
40	41	11175.39	0.23	-97.31	-16.25	2929.06	-0.39
41	41	11175.34	0.26	-97.05	-15.25	2929.08	0.23
41	42	11175.34	0.26	-97.05	-15.25	2817.45	0.06
53	53	11177.09	0.32	-95.56	-8.59	1594.43	0.35
53	54	11177.09	0.32	-95.56	-8.59	1484.55	-0.06
54	54	11177.43	0.32	-95.56	-8.59	1483.96	-0.06
54	55	11177.43	0.32	-95.56	-8.59	1374.21	-0.39
43	44	11175.63	0.29	-96.81	-14.09	2594.05	0.12

SANT BOI PRET(t-1): 1.00*Pempuje Tendones inferiores

45	45	11175.91	0.31	-96.55	-13.07	2481.85	0.35

56	56	11170.95	0.32	-95.30	-7.46	1274.31	-0.08

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
57	57	11170.92	0.33	-95.04	-6.26	1164.51	0.23
57	58	11170.92	0.33	-95.04	-6.26	1055.29	-0.14
58	58	11171.26	0.33	-95.04	-6.26	1054.82	-0.14
58	59	11171.26	0.33	-95.04	-6.26	945.43	-0.51
59	59	11171.21	0.32	-94.74	-4.89	945.33	0.18
59	60	11171.21	0.32	-94.74	-4.89	836.52	-0.10
60	60	11171.55	0.32	-94.74	-4.89	835.99	-0.10
60	61	11171.55	0.32	-94.74	-4.89	726.97	-0.47
61	61	11171.51	0.30	-94.39	-3.37	726.89	0.23
61	62	11171.51	0.30	-94.39	-3.37	618.40	-0.16
62	62	11171.86	0.30	-94.39	-3.37	617.93	-0.16
62	63	11171.86	0.30	-94.39	-3.37	509.18	-0.41
63	63	11171.81	0.24	-93.98	-1.51	509.36	0.41
63	64	11171.81	0.24	-93.98	-1.51	401.23	0.02
64	64	11172.15	0.24	-93.98	-1.51	400.71	0.02
64	65	11172.15	0.24	-93.98	-1.51	292.64	-0.29
65	65	11172.18	0.30	-93.40	0.82	292.96	0.35
65	66	11172.18	0.30	-93.40	0.82	185.70	-0.12
66	66	11172.52	0.30	-93.40	0.82	185.17	-0.12
66	67	11172.52	0.30	-93.40	0.82	77.77	-0.35
67	67	11164.06	0.81	-449.92	3.72	78.44	-0.61
67	68	11164.06	0.81	-449.92	3.72	-439.19	-1.55
68	68	11164.39	0.81	-449.93	3.72	-439.72	-1.55
68	69	11164.39	0.81	-449.93	3.72	-957.35	-2.23
69	69	11173.38	-0.04	-92.17	6.26	-956.96	-1.31
69	70	11173.38	-0.04	-92.17	6.26	-1063.10	-1.27
70	70	11173.72	-0.04	-92.17	6.26	-1063.63	-1.27
70	71	11173.72	-0.04	-92.17	6.26	-1169.50	-1.19
71	71	11174.21	-0.34	-34.29	6.77	-1170.23	-1.14
71	72	11174.21	-0.34	-34.29	6.77	-1209.63	-0.70
72	72	11174.54	-0.34	-34.29	6.77	-1210.15	-0.70
72	73	11174.54	-0.34	-34.29	6.77	-1249.57	-0.41
73	73	11170.43	-0.35	322.61	5.70	-1250.92	-0.37
73	74	11170.43	-0.35	322.61	5.70	-879.72	0.04
74	74	11170.76	-0.35	322.63	5.70	-880.25	0.04
74	75	11170.76	-0.35	322.63	5.70	-508.96	0.39
75	75	11170.74	-0.33	-35.05	4.83	-501.80	-0.57
48	48	11176.55	0.32	-96.32	-12.14	2148.03	0.12

82	82	11172.59	-0.23	-34.75	5.21	-783.91	-0.04
82	83	11172.59	-0.23	-34.75	5.21	-823.86	0.33
BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
113	114	11163.51	1.41	637.13	7.46	-1364.27	1.02
76	76	11169.67	-0.33	-35.05	4.83	-540.48	-0.04
76	77	11169.67	-0.33	-35.05	4.83	-580.72	0.23
77	77	11170.32	-0.29	-34.95	4.70	-581.09	-0.31
77	78	11170.32	-0.29	-34.95	4.70	-621.37	0.00
78	78	11170.66	-0.29	-34.95	4.70	-621.90	0.00
78	79	11170.66	-0.29	-34.95	4.70	-662.04	0.23
79	79	11171.28	-0.25	-34.83	4.93	-662.37	-0.31
79	80	11171.28	-0.25	-34.83	4.93	-702.57	0.02
80	80	11171.62	-0.25	-34.83	4.93	-703.10	0.02
80	81	11171.62	-0.25	-34.83	4.93	-743.07	0.45
81	81	11172.26	-0.23	-34.75	5.21	-743.50	-0.16
81	82	11172.26	-0.23	-34.75	5.21	-783.33	-0.04

SANT BOI PRET(t=I): 1.00*Pempuje Tendones inferiores

94	95	11178.38	-0.23	-34.27	7.36	-1304.57	0.27
95	95	11173.65	-0.25	-34.20	7.63	-1296.68	-0.27
95	96	11173.65	-0.25	-34.20	7.63	-1336.04	0.10
96	96	11172.58	-0.25	-34.20	7.63	-1334.46	0.10
96	97	11172.58	-0.25	-34.20	7.63	-1373.74	0.39
86	86	11174.54	-0.24	-34.59	5.81	-945.23	0.02
86	87	11174.54	-0.24	-34.59	5.81	-984.82	0.27
87	87	11175.17	-0.23	-34.52	6.11	-985.19	-0.16
87	88	11175.17	-0.23	-34.52	6.11	-1024.81	0.02
98	99	11173.56	-0.27	-34.12	8.14	-1453.14	0.43
99	99	11174.22	-0.28	-34.00	8.75	-1453.55	-0.20
99	100	11174.22	-0.28	-34.00	8.75	-1492.58	0.18
100	100	11174.56	-0.28	-34.00	8.75	-1493.05	0.18
100	101	11174.56	-0.28	-34.00	8.75	-1532.21	0.59
91	91	11177.08	-0.24	-34.35	6.99	-1145.31	-0.22
91	92	11177.08	-0.24	-34.35	6.99	-1184.97	0.10
92	92	11177.41	-0.24	-34.35	6.99	-1185.44	0.10
92	93	11177.41	-0.24	-34.35	6.99	-1224.82	0.39
93	93	11178.05	-0.23	-34.27	7.36	-1225.36	-0.27
93	94	11178.05	-0.23	-34.27	7.36	-1264.66	0.04
94	94	11178.38	-0.23	-34.27	7.36	-1265.13	0.04
83	83	11173.22	-0.24	-34.69	5.52	-824.15	-0.27

82	82	11172.59	-0.23	-34.75	5.21	-783.91	-0.04
82	83	11172.59	-0.23	-34.75	5.21	-823.86	0.33
BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
83	84	11173.22	-0.24	-34.69	5.52	-864.08	0.02
84	84	11173.56	-0.24	-34.69	5.52	-864.61	0.02
84	85	11173.56	-0.24	-34.69	5.52	-904.42	0.27
85	85	11174.20	-0.24	-34.59	5.81	-904.67	-0.22
85	86	11174.20	-0.24	-34.59	5.81	-944.70	0.02
97	97	11173.23	-0.27	-34.12	8.14	-1374.03	-0.16
97	98	11173.23	-0.27	-34.12	8.14	-1413.35	0.12
98	98	11173.56	-0.27	-34.12	8.14	-1413.88	0.12
88	88	11175.51	-0.23	-34.52	6.11	-1025.28	0.02
88	89	11175.51	-0.23	-34.52	6.11	-1065.05	0.22
89	89	11176.13	-0.23	-34.43	6.52	-1065.38	-0.16
89	90	11176.13	-0.23	-34.43	6.52	-1104.92	0.02
90	90	11176.47	-0.23	-34.43	6.52	-1105.44	0.02
90	91	11176.47	-0.23	-34.43	6.52	-1144.98	0.33
101	101	11175.22	-0.30	-33.85	9.38	-1532.41	-0.12
101	102	11175.22	-0.30	-33.85	9.38	-1571.44	0.31
102	102	11175.57	-0.30	-33.85	9.38	-1571.97	0.31
102	103	11175.57	-0.30	-33.85	9.38	-1610.97	0.78
103	103	11176.22	-0.27	-33.62	10.71	-1610.99	0.00
103	104	11176.22	-0.27	-33.62	10.71	-1649.61	0.43
104	104	11176.56	-0.27	-33.62	10.71	-1650.14	0.43
104	105	11176.56	-0.27	-33.62	10.71	-1688.79	0.67
105	105	11177.17	-0.11	-33.24	12.47	-1688.73	0.06
105	106	11177.17	-0.11	-33.24	12.47	-1726.94	0.16
106	106	11177.51	-0.11	-33.24	12.47	-1727.41	0.16
106	107	11177.51	-0.11	-33.24	12.47	-1765.71	0.27
107	107	11171.42	0.49	-390.05	15.44	-1765.06	-1.29
107	108	11171.42	0.49	-390.05	15.44	-2213.91	-1.60
108	108	11171.76	0.49	-390.06	15.44	-2214.38	-1.60
108	109	11171.76	0.49	-390.06	15.44	-2663.15	-2.31
109	109	11178.38	-0.30	-32.41	16.89	-2663.32	0.00
109	110	11178.38	-0.30	-32.41	16.89	-2700.63	0.39
110	110	11178.73	-0.30	-32.41	16.89	-2701.16	0.39
110	111	11178.73	-0.30	-32.41	16.89	-2738.54	0.70
111	111	11178.39	0.03	281.56	13.49	-2740.75	1.92
111	112	11178.39	0.03	281.56	13.49	-2416.87	1.94
112	112	11178.72	0.03	281.56	13.49	-2417.39	1.94
112	113	11178.72	0.03	281.56	13.49	-2093.73	1.84
113	113	11163.51	1.41	637.13	7.46	-2097.25	2.70

SANT BOI PRET(t=I): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
114	114	11163.85	1.41	637.14	7.46	-1364.80	1.02
114	115	11163.85	1.41	637.14	7.46	-631.66	-0.53
115	115	11173.08	0.68	278.51	2.11	-626.45	1.04
115	116	11173.08	0.68	278.51	2.11	-306.03	0.14
116	116	11172.02	0.68	278.51	2.11	-304.45	0.14
116	117	11172.02	0.68	278.51	2.11	15.92	-0.67
117	117	11171.84	0.57	277.71	-2.02	13.66	0.57
117	118	11171.84	0.57	277.71	-2.02	333.05	-0.02
118	118	11172.18	0.57	277.71	-2.02	332.46	-0.02
118	119	11172.18	0.57	277.71	-2.02	651.90	-0.70
119	119	11171.93	0.51	276.97	-5.91	649.77	0.35
119	120	11171.93	0.51	276.97	-5.91	968.39	-0.31
120	120	11172.27	0.51	276.97	-5.91	967.86	-0.31
120	121	11172.27	0.51	276.97	-5.91	1286.42	-0.70
121	121	11172.03	0.49	276.24	-9.30	1284.41	0.29
121	122	11172.03	0.49	276.24	-9.30	1601.97	-0.25
122	122	11172.37	0.49	276.24	-9.30	1601.50	-0.25
122	123	11172.37	0.49	276.24	-9.30	1919.22	-0.76
123	123	11172.10	0.49	275.53	-13.02	1917.40	0.35
123	124	11172.10	0.49	275.53	-13.02	2234.14	-0.31
124	124	11172.44	0.49	275.53	-13.02	2233.61	-0.31
124	125	11172.44	0.49	275.53	-13.02	2550.47	-0.78
125	125	11172.16	0.48	274.85	-16.11	2548.77	0.37
125	126	11172.16	0.48	274.85	-16.11	2864.75	-0.18
126	126	11172.50	0.48	274.85	-16.11	2864.28	-0.18
126	127	11172.50	0.48	274.85	-16.11	3180.27	-0.76
127	127	11172.23	0.50	274.30	-18.91	3178.69	0.37
127	128	11172.23	0.50	274.30	-18.91	3494.18	-0.25
128	128	11172.56	0.50	274.30	-18.91	3493.65	-0.25
128	129	11172.56	0.50	274.30	-18.91	3809.02	-0.84
129	129	11172.29	0.50	274.02	-21.02	3807.61	0.37
129	130	11172.29	0.50	274.02	-21.02	4122.77	-0.25
130	130	11172.63	0.50	274.02	-21.02	4122.24	-0.25
130	131	11172.63	0.50	274.02	-21.02	4437.43	-0.72
131	131	11172.36	0.50	274.24	-21.47	4436.77	0.22
131	132	11172.36	0.50	274.24	-21.47	4752.06	-0.31
132	132	11172.69	0.50	274.24	-21.47	4751.59	-0.31
132	133	11172.69	0.50	274.24	-21.47	5066.96	-0.80

SANT BOI PRET(t=I): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
133	133	11172.38	0.52	275.07	-20.34	5067.53	0.23
133	134	11172.38	0.52	275.07	-20.34	5384.01	-0.25
134	134	13004.74	0.52	275.07	-20.34	2566.16	-0.25
134	135	13004.74	0.52	275.07	-20.34	2882.47	-0.88
135	135	13022.06	0.54	274.73	-21.24	2854.81	0.23
135	136	13022.06	0.54	274.73	-21.24	3170.79	-0.33
136	136	13025.73	0.54	274.73	-21.24	3165.15	-0.33
136	137	13025.73	0.54	274.73	-21.24	3481.13	-0.90
137	137	13028.75	0.57	273.83	-23.80	3474.18	0.18
137	138	13028.75	0.57	273.83	-23.80	3789.24	-0.53
138	138	13032.42	0.57	273.83	-23.80	3783.60	-0.53
138	139	13032.42	0.57	273.83	-23.80	4098.35	-1.15
139	139	13035.39	0.57	273.01	-26.76	4091.38	0.12
139	140	13035.39	0.57	273.01	-26.76	4405.48	-0.53
140	140	13039.04	0.57	273.01	-26.76	4399.80	-0.53
140	141	13039.04	0.57	273.01	-26.76	4713.70	-1.23
141	141	13041.97	0.50	272.32	-30.28	4706.89	0.14
141	142	13041.97	0.50	272.32	-30.28	5019.99	-0.51
142	142	13045.62	0.50	272.32	-30.28	5014.34	-0.51
142	143	13045.62	0.50	272.32	-30.28	5327.52	-1.08
143	143	13048.55	0.20	271.80	-34.33	5320.51	0.53
143	144	13048.55	0.20	271.80	-34.33	5633.24	0.16
144	144	13052.18	0.20	271.80	-34.33	5627.66	0.16
144	145	13052.18	0.20	271.80	-34.33	5940.19	-0.02
145	145	13056.87	-1.02	-146.74	-39.73	5932.95	3.97
145	146	13056.87	-1.02	-146.74	-39.73	5763.97	5.13
146	146	13060.47	-1.02	-146.86	-39.73	5758.30	5.13
146	147	13060.47	-1.02	-146.86	-39.73	5589.47	6.22
147	147	13062.88	1.10	270.40	-43.26	5582.92	1.14
147	148	13062.88	1.10	270.40	-43.26	5893.92	-0.22
148	148	13066.47	1.10	270.40	-43.26	5888.07	-0.22
148	149	13066.47	1.10	270.40	-43.26	6199.08	-1.37
149	149	13070.84	0.66	-675.48	-37.33	6196.55	-3.07
149	150	13070.84	0.66	-675.48	-37.33	5419.73	-3.89
150	150	13074.42	0.66	-675.48	-37.33	5413.90	-3.89
150	151	13074.42	0.66	-675.48	-37.33	4637.15	-4.72
151	151	13093.81	-2.35	-252.99	-23.64	4637.54	-5.34
151	152	13093.81	-2.35	-252.99	-23.64	4346.36	-2.56

SANT BOI PRET(t=I): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
152	152	13097.38	-2.35	-252.87	-23.64	4340.72	-2.56
152	153	13097.38	-2.35	-252.87	-23.64	4049.87	0.06
153	153	13078.85	-0.65	-667.49	-8.24	4062.24	-1.10
153	154	13078.85	-0.65	-667.49	-8.24	3294.71	-0.43
154	154	14888.33	-0.65	-667.49	-8.24	512.12	-0.43
154	155	14888.33	-0.65	-667.49	-8.24	-255.62	0.37
155	155	14889.10	-0.42	-665.03	3.50	-251.16	-0.67
155	156	14889.10	-0.42	-665.03	3.50	-1015.88	-0.27
156	156	14889.55	-0.42	-665.03	3.50	-1016.67	-0.27
156	157	14889.55	-0.42	-665.03	3.50	-1781.44	0.25
157	157	14890.42	-0.39	-663.32	13.25	-1778.46	-0.53
157	158	14890.42	-0.39	-663.32	13.25	-2541.37	-0.25
158	158	14890.88	-0.39	-663.32	13.25	-2542.07	-0.25
158	159	14890.88	-0.39	-663.32	13.25	-3304.92	0.29
159	159	14891.77	-0.36	-661.58	22.16	-3302.07	-0.63
159	160	14891.77	-0.36	-661.58	22.16	-4063.00	0.00
160	160	14892.22	-0.36	-661.58	22.16	-4063.62	0.00
160	161	14892.22	-0.36	-661.58	22.16	-4824.42	0.29
161	161	14893.12	-0.35	-659.80	30.91	-4821.88	-0.59
161	162	14893.12	-0.35	-659.80	30.91	-5580.71	-0.22
162	162	14893.58	-0.35	-659.80	30.91	-5581.42	-0.22
162	163	14893.58	-0.35	-659.80	30.91	-6340.20	0.27
163	163	14894.48	-0.35	-658.05	39.30	-6337.75	-0.61
163	164	14894.48	-0.35	-658.05	39.30	-7094.34	-0.25
164	164	14894.93	-0.35	-658.05	39.30	-7095.04	-0.25
164	165	14894.93	-0.35	-658.05	39.30	-7851.86	0.25
165	165	14895.86	-0.37	-656.35	47.46	-7849.59	-0.69
165	166	14895.86	-0.37	-656.35	47.46	-8604.36	-0.25
166	166	14896.31	-0.37	-656.35	47.46	-8605.06	-0.25
166	167	14896.31	-0.37	-656.35	47.46	-9359.77	0.18
167	167	14897.22	-0.39	-654.65	55.41	-9357.54	-0.82
167	168	14897.22	-0.39	-654.65	55.41	-10110.47	-0.23
168	168	14897.68	-0.39	-654.65	55.41	-10111.17	-0.23
168	169	14897.68	-0.39	-654.65	55.41	-10864.04	0.12
169	169	14898.61	-0.42	-653.00	63.08	-10861.83	-0.67
169	170	14898.61	-0.42	-653.00	63.08	-11612.85	-0.23
170	170	14899.05	-0.42	-653.00	63.08	-11613.56	-0.23
170	171	14899.05	-0.42	-653.00	63.08	-12364.41	0.27

SANT BOI PRET(t=I): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
171	171	14900.04	-0.40	-651.38	70.48	-12362.55	-0.61
171	172	14900.04	-0.40	-651.38	70.48	-13111.70	-0.25
172	172	14900.48	-0.40	-651.38	70.48	-13112.41	-0.25
172	173	14900.48	-0.40	-651.38	70.48	-13861.48	0.25
173	173	14894.41	-0.24	-649.82	77.57	-13848.69	-1.00
173	174	14894.41	-0.24	-649.82	77.57	-14596.06	-0.72
174	174	14821.64	-0.24	-649.82	77.57	-14484.19	-0.72
174	175	14821.64	-0.24	-649.82	77.57	-15231.51	-0.47
175	175	14822.86	0.12	-648.32	84.24	-15229.81	-2.27
175	176	14822.86	0.12	-648.32	84.24	-15975.46	-2.49
176	176	14823.33	0.12	-648.32	84.24	-15976.16	-2.49
176	177	14823.33	0.12	-648.32	84.24	-16721.75	-2.54
177	177	14824.76	0.41	-647.63	88.23	-16720.81	-4.78
177	178	14824.76	0.41	-647.63	88.23	-17465.73	-5.17
178	178	14825.20	0.41	-647.63	88.23	-17466.36	-5.17
178	179	14825.20	0.41	-647.63	88.23	-18211.14	-5.77
179	179	14826.96	-0.27	-649.45	85.57	-18212.84	-7.93
179	180	14826.96	-0.27	-649.45	85.57	-18959.78	-7.79
180	180	14827.41	-0.27	-649.45	85.57	-18960.48	-7.79
180	181	14827.41	-0.27	-649.45	85.57	-19707.25	-7.54
181	181	14801.94	-3.22	-1129.03	71.09	-19714.41	-12.31
181	182	14801.94	-3.22	-1129.03	71.09	-21013.55	-8.63
182	182	14802.40	-3.22	-1129.04	71.09	-21014.26	-8.63
182	183	14802.40	-3.22	-1129.04	71.09	-22313.42	-5.07
183	183	14828.65	-0.26	-666.05	34.72	-22333.76	-1.80
183	184	14828.65	-0.26	-666.05	34.72	-23099.58	-1.41
184	184	14829.10	-0.26	-666.05	34.72	-23100.36	-1.41
184	185	14829.10	-0.26	-666.05	34.72	-23866.44	-1.10

SANT BOI PRET(t=1): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
801	801	10991.84	-1.10	622.53	24.94	-17686.34	0.59
801	802	10991.84	-1.10	622.53	24.94	-16970.46	1.82
802	802	11012.07	-1.10	622.53	24.94	-17003.05	1.82
802	803	11012.07	-1.10	622.53	24.94	-16287.08	3.15
803	803	11008.27	-2.19	967.11	50.81	-16305.58	4.99
803	804	11008.27	-2.19	967.11	50.81	-15192.89	7.61
804	804	11028.44	-2.19	967.75	50.81	-15224.72	7.61
804	805	11028.44	-2.19	967.75	50.81	-14111.08	10.14
805	805	11071.72	-0.19	610.60	60.46	-14137.79	5.83
805	806	11071.72	-0.19	610.60	60.46	-13435.53	6.01
806	806	11091.81	-0.19	610.60	60.46	-13466.42	6.01
806	807	11091.81	-0.19	610.60	60.46	-12764.22	6.32
807	807	11110.71	0.20	609.52	61.15	-12794.93	4.11
807	808	11110.71	0.20	609.52	61.15	-12094.04	3.82
808	808	11130.74	0.20	609.52	61.15	-12124.87	3.82
808	809	11130.74	0.20	609.52	61.15	-11423.80	3.66
809	809	11149.80	-0.10	610.30	56.78	-11456.37	1.53
809	810	11149.80	-0.10	610.30	56.78	-10754.48	1.59
810	810	11169.76	-0.10	610.30	56.78	-10785.13	1.59
810	811	11169.76	-0.10	610.30	56.78	-10083.26	1.76
811	811	11188.88	-0.39	611.70	50.58	-10116.19	0.06
811	812	11188.88	-0.39	611.70	50.58	-9412.81	0.41
812	812	11208.77	-0.39	611.70	50.58	-9443.46	0.41
812	813	11208.77	-0.39	611.70	50.58	-8739.99	0.76
813	813	11227.92	-0.52	613.19	43.75	-8772.99	-0.47
813	814	11227.92	-0.52	613.19	43.75	-8067.83	0.06
814	814	11247.75	-0.52	613.19	43.75	-8098.25	0.06
814	815	11247.75	-0.52	613.19	43.75	-7393.13	0.65
815	815	11266.87	-0.52	614.73	36.54	-7426.19	-0.53
815	816	11266.87	-0.52	614.73	36.54	-6719.29	0.06
816	816	11145.78	-0.52	614.73	36.54	-6532.98	0.06
816	817	11145.78	-0.52	614.73	36.54	-5826.06	0.59
817	817	11165.13	-0.50	616.38	29.11	-5859.57	-0.47
817	818	11165.13	-0.50	616.38	29.11	-5150.73	0.06

SANT BOI PRET(t=1): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
818	818	11185.07	-0.50	616.38	29.11	-5181.44	0.06
818	819	11185.07	-0.50	616.38	29.11	-4472.55	0.59
819	819	11204.35	-0.43	617.98	21.73	-4506.11	-0.47
819	820	11204.35	-0.43	617.98	21.73	-3795.34	-0.12
820	820	11218.86	-0.43	617.98	21.73	-3817.71	-0.12
820	821	11218.86	-0.43	617.98	21.73	-3107.11	0.47
821	821	11218.50	-0.38	619.61	14.43	-3130.38	-0.53
821	822	11218.50	-0.38	619.61	14.43	-2397.75	-0.29
822	822	11218.76	-0.38	619.61	14.43	-2398.16	-0.29
822	823	11218.76	-0.38	619.61	14.43	-1685.62	0.23
823	823	11218.42	-0.35	621.30	6.87	-1689.01	-0.98
823	824	11218.42	-0.35	621.30	6.87	-974.48	-0.49
824	824	11218.68	-0.35	621.30	6.87	-974.89	-0.49
824	825	11218.68	-0.35	621.30	6.87	-260.45	-0.08
825	825	11218.45	-0.61	623.10	-0.78	-263.94	-1.39
825	826	11218.45	-0.61	623.10	-0.78	452.43	-0.63
826	826	11218.70	-0.61	623.10	-0.78	452.02	-0.63
826	827	11218.70	-0.61	623.10	-0.78	1168.71	-0.04
827	827	11233.10	-2.27	265.94	-9.00	1164.93	-1.96
827	828	11233.10	-2.27	265.94	-9.00	1470.91	0.67
828	828	11233.36	-2.27	265.93	-9.00	1470.56	0.67
828	829	11233.36	-2.27	265.93	-9.00	1776.55	3.35
829	829	11219.14	-1.64	627.17	-16.99	1772.65	2.47
829	830	11219.14	-1.64	627.17	-16.99	2493.88	4.25
830	830	11219.39	-1.64	627.17	-16.99	2493.47	4.25
830	831	11219.39	-1.64	627.17	-16.99	3214.67	6.26
831	831	11219.72	2.01	-97.28	-21.41	3211.93	4.95
831	832	11219.72	2.01	-97.28	-21.41	3100.03	2.66
832	832	11219.97	2.01	-97.28	-21.41	3099.62	2.66
832	833	11219.97	2.01	-97.28	-21.41	2987.70	0.23
833	833	11217.53	0.24	261.74	-21.26	2987.02	-2.23
833	834	11217.53	0.24	261.74	-21.26	3288.13	-2.54
834	834	11217.78	0.24	261.74	-21.26	3287.78	-2.54
834	835	11217.78	0.24	261.74	-21.26	3588.93	-2.80
835	835	11216.01	0.17	-97.24	-19.83	3587.11	-1.00
835	836	11216.01	0.17	-97.24	-19.83	3485.21	-1.08
836	836	11167.39	0.17	-97.24	-19.83	3560.02	-1.08
836	837	11167.39	0.17	-97.24	-19.83	3448.10	-1.21

SANT BOI PRET(t-I): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
837	837	11168.20	0.15	-97.22	-18.73	3447.84	-0.41
837	838	11168.20	0.15	-97.22	-18.73	3336.22	-0.61
838	838	11168.55	0.15	-97.22	-18.73	3335.69	-0.61
838	839	11168.55	0.15	-97.22	-18.73	3223.93	-0.74
839	839	11169.30	0.22	-97.37	-17.44	3223.73	0.06
839	840	11169.30	0.22	-97.37	-17.44	3111.72	-0.12
840	840	11169.63	0.22	-97.37	-17.44	3111.13	-0.12
840	841	11169.63	0.22	-97.37	-17.44	2999.05	-0.39
841	841	11170.38	0.30	-97.63	-16.09	2999.15	0.55
841	842	11170.38	0.30	-97.63	-16.09	2886.74	0.12
842	842	11170.73	0.30	-97.63	-16.09	2886.21	0.12
842	843	11170.73	0.30	-97.63	-16.09	2774.14	-0.27
843	843	11171.45	0.31	-97.89	-14.90	2774.04	0.61
843	844	11171.45	0.31	-97.89	-14.90	2661.36	0.12
844	844	11171.79	0.31	-97.89	-14.90	2660.83	0.12
844	845	11171.79	0.31	-97.89	-14.90	2548.23	-0.22
845	845	11172.52	0.32	-98.13	-13.58	2548.15	0.61
845	846	11172.52	0.32	-98.13	-13.58	2435.47	0.12
846	846	11172.86	0.32	-98.13	-13.58	2434.94	0.12
846	847	11172.86	0.32	-98.13	-13.58	2321.98	-0.27
847	847	11173.58	0.31	-98.38	-12.37	2321.90	0.49
847	848	11173.58	0.31	-98.38	-12.37	2208.77	0.12
848	848	11173.91	0.31	-98.38	-12.37	2208.30	0.12
848	849	11173.91	0.31	-98.38	-12.37	2095.15	-0.22
849	849	11174.62	0.31	-98.62	-11.20	2094.99	0.49
849	850	11174.62	0.31	-98.62	-11.20	1981.66	0.12
850	850	11174.96	0.31	-98.62	-11.20	1981.19	0.12
850	851	11174.96	0.31	-98.62	-11.20	1867.69	-0.33
851	851	11175.68	0.31	-98.88	-9.98	1867.61	0.35
851	852	11175.68	0.31	-98.88	-9.98	1753.99	0.12
852	852	11176.01	0.31	-98.88	-9.98	1753.46	0.12
852	853	11176.01	0.31	-98.88	-9.98	1639.78	-0.33
853	853	11176.72	0.32	-99.12	-8.85	1639.70	0.35
853	854	11176.72	0.32	-99.12	-8.85	1525.71	0.18
854	854	11177.06	0.32	-99.12	-8.85	1525.18	0.18
854	855	11177.06	0.32	-99.12	-8.85	1411.13	-0.33
855	855	11172.40	0.31	-99.38	-7.44	1419.43	0.35
855	856	11172.40	0.31	-99.38	-7.44	1305.12	-0.02

SANT BOI PRET(t=I): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
856	856	11171.33	0.31	-99.38	-7.44	1306.76	-0.02
856	857	11171.33	0.31	-99.38	-7.44	1192.50	-0.39
857	857	11172.07	0.30	-99.64	-6.19	1192.46	0.41
857	858	11172.07	0.30	-99.64	-6.19	1077.97	-0.02
858	858	11172.41	0.30	-99.64	-6.19	1077.50	-0.02
858	859	11172.41	0.30	-99.64	-6.19	963.00	-0.39
859	859	11173.14	0.26	-99.91	-4.87	962.81	0.29
859	860	11173.14	0.26	-99.91	-4.87	847.99	0.06
860	860	11173.48	0.26	-99.91	-4.87	847.46	0.06
860	861	11173.48	0.26	-99.91	-4.87	732.59	-0.20
861	861	11174.21	0.25	-100.20	-3.46	732.65	0.51
861	862	11174.21	0.25	-100.20	-3.46	617.44	0.08
862	862	11174.55	0.25	-100.20	-3.46	616.91	0.08
862	863	11174.55	0.25	-100.20	-3.46	501.68	-0.18
863	863	11175.27	0.24	-100.48	-1.80	501.80	0.59
863	864	11175.27	0.24	-100.48	-1.80	386.07	0.16
864	864	11175.61	0.24	-100.48	-1.80	385.54	0.16
864	865	11175.61	0.24	-100.48	-1.80	270.12	0.06
865	865	11176.25	0.38	-100.75	-0.08	270.35	0.76
865	866	11176.25	0.38	-100.75	-0.08	154.48	0.45
866	866	11176.59	0.38	-100.75	-0.08	153.95	0.45
866	867	11176.59	0.38	-100.75	-0.08	38.02	-0.04
867	867	11168.09	1.14	-458.72	2.72	38.62	1.15
867	868	11168.09	1.14	-458.72	2.72	-489.26	-0.31
868	868	11168.43	1.14	-458.73	2.72	-489.79	-0.31
868	869	11168.43	1.14	-458.73	2.72	-1017.54	-1.76
869	869	11177.84	1.23	-102.30	5.91	-1016.44	-0.98
869	870	11177.84	1.23	-102.30	5.91	-1134.13	-2.35
870	870	11178.18	1.23	-102.30	5.91	-1134.66	-2.35
870	871	11178.18	1.23	-102.30	5.91	-1252.28	-3.78
871	871	11178.35	-1.22	-30.39	7.59	-1251.75	-3.09
871	872	11178.35	-1.22	-30.39	7.59	-1286.70	-1.64
872	872	11178.69	-1.22	-30.39	7.59	-1287.29	-1.64
872	873	11178.69	-1.22	-30.39	7.59	-1322.38	-0.29
873	873	11174.05	-0.24	327.18	7.16	-1322.93	0.41
873	874	11174.05	-0.24	327.18	7.16	-946.54	0.72
874	874	11174.38	-0.24	327.19	7.16	-947.07	0.72
874	875	11174.38	-0.24	327.19	7.16	-570.42	1.06

SANT BOI PRET(t-1): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
875	875	11173.69	-0.20	-29.95	5.64	-563.46	0.04
875	876	11173.69	-0.20	-29.95	5.64	-598.00	0.23
876	876	11172.62	-0.20	-29.95	5.64	-596.36	0.23
876	877	11172.62	-0.20	-29.95	5.64	-630.71	0.61
877	877	11172.66	-0.19	-29.76	5.13	-631.68	-0.10
877	878	11172.66	-0.19	-29.76	5.13	-665.82	0.08
878	878	11173.00	-0.19	-29.76	5.13	-666.40	0.08
878	879	11173.00	-0.19	-29.76	5.13	-700.58	0.35
879	879	11173.06	-0.20	-29.71	5.03	-701.15	-0.14
879	880	11173.06	-0.20	-29.71	5.03	-735.38	0.04
880	880	11173.40	-0.20	-29.71	5.03	-735.91	0.04
880	881	11173.40	-0.20	-29.71	5.03	-770.12	0.33
881	881	11173.45	-0.22	-29.76	5.19	-770.65	-0.23
881	882	11173.45	-0.22	-29.76	5.19	-804.78	0.00
882	882	11173.79	-0.22	-29.76	5.19	-805.25	0.00
882	883	11173.79	-0.22	-29.76	5.19	-839.58	0.18
883	883	11173.85	-0.25	-29.82	5.30	-839.93	-0.31
883	884	11173.85	-0.25	-29.82	5.30	-874.28	-0.12
884	884	11174.19	-0.25	-29.82	5.30	-874.81	-0.12
884	885	11174.19	-0.25	-29.82	5.30	-908.98	0.06
885	885	11174.24	-0.24	-29.91	5.79	-909.59	-0.37
885	886	11174.24	-0.24	-29.91	5.79	-944.09	-0.06
886	886	11174.58	-0.24	-29.91	5.79	-944.62	-0.06
886	887	11174.58	-0.24	-29.91	5.79	-978.89	0.27
887	887	11174.63	-0.25	-29.98	6.09	-979.50	-0.37
887	888	11174.63	-0.25	-29.98	6.09	-1013.69	0.02
888	888	11174.96	-0.25	-29.98	6.09	-1014.28	0.02
888	889	11174.96	-0.25	-29.98	6.09	-1048.71	0.39
889	889	11174.99	-0.23	-30.07	6.50	-1049.25	-0.16
889	890	11174.99	-0.23	-30.07	6.50	-1083.88	0.08
890	890	11175.33	-0.23	-30.07	6.50	-1084.40	0.08
890	891	11175.33	-0.23	-30.07	6.50	-1118.87	0.22
891	891	11175.38	-0.23	-30.15	6.81	-1119.42	-0.22
891	892	11175.38	-0.23	-30.15	6.81	-1154.06	0.02
892	892	11175.71	-0.23	-30.15	6.81	-1154.53	0.02
892	893	11175.71	-0.23	-30.15	6.81	-1189.21	0.27
893	893	11175.76	-0.24	-30.23	7.16	-1189.58	-0.16
893	894	11175.76	-0.24	-30.23	7.16	-1224.48	0.16

SANT BOI PRET(t=J): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
894	894	11176.09	-0.24	-30.23	7.16	-1225.01	0.16
894	895	11176.09	-0.24	-30.23	7.16	-1259.73	0.33
895	895	11170.78	-0.25	-30.30	7.46	-1251.84	-0.22
895	896	11170.78	-0.25	-30.30	7.46	-1286.72	0.10
896	896	11169.72	-0.25	-30.30	7.46	-1285.08	0.10
896	897	11169.72	-0.25	-30.30	7.46	-1320.03	0.41
897	897	11169.76	-0.22	-30.38	7.91	-1320.27	-0.22
897	898	11169.76	-0.22	-30.38	7.91	-1355.24	0.10
898	898	11170.10	-0.22	-30.38	7.91	-1355.83	0.10
898	899	11170.10	-0.22	-30.38	7.91	-1390.73	0.33
899	899	11170.13	-0.17	-30.45	8.26	-1391.04	-0.16
899	900	11170.13	-0.17	-30.45	8.26	-1426.03	0.08
900	900	11170.48	-0.17	-30.45	8.26	-1426.62	0.08
900	901	11170.48	-0.17	-30.45	8.26	-1461.66	0.35
901	901	11170.49	-0.12	-30.55	8.94	-1461.89	-0.25
901	902	11170.49	-0.12	-30.55	8.94	-1497.24	-0.06
902	902	11170.83	-0.12	-30.55	8.94	-1497.77	-0.06
902	903	11170.83	-0.12	-30.55	8.94	-1532.70	0.00
903	903	11170.87	-0.10	-30.61	9.53	-1533.03	-0.65
903	904	11170.87	-0.10	-30.61	9.53	-1568.34	-0.53
904	904	11171.21	-0.10	-30.61	9.53	-1568.81	-0.53
904	905	11171.21	-0.10	-30.61	9.53	-1604.10	-0.33
905	905	11171.25	-0.27	-30.75	10.55	-1604.26	-1.17
905	906	11171.25	-0.27	-30.75	10.55	-1639.56	-0.72
906	906	11171.59	-0.27	-30.75	10.55	-1640.09	-0.72
906	907	11171.59	-0.27	-30.75	10.55	-1675.34	-0.41
907	907	11164.91	-0.78	-388.69	13.07	-1674.56	-2.09
907	908	11164.91	-0.78	-388.69	13.07	-2121.92	-1.00
908	908	11165.24	-0.78	-388.70	13.07	-2122.45	-1.00
908	909	11165.24	-0.78	-388.70	13.07	-2569.67	-0.04
909	909	11172.83	-2.08	-32.40	15.33	-2568.51	0.06
909	910	11172.83	-2.08	-32.40	15.33	-2605.88	2.21
910	910	11173.17	-2.08	-32.40	15.33	-2606.41	2.21
910	911	11173.17	-2.08	-32.40	15.33	-2643.61	4.81
911	911	11174.19	1.32	263.28	14.74	-2643.96	5.17
911	912	11174.19	1.32	263.28	14.74	-2341.26	3.74
912	912	11174.52	1.32	263.28	14.74	-2341.84	3.74
912	913	11174.52	1.32	263.28	14.74	-2039.04	2.35

SANT BOI PRET(t=I): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
913	913	11161.43	2.10	621.51	9.85	-2041.17	5.17
913	914	11161.43	2.10	621.51	9.85	-1326.24	2.58
914	914	11161.76	2.10	621.52	9.85	-1326.77	2.58
914	915	11161.76	2.10	621.52	9.85	-611.58	0.25
915	915	11171.33	0.56	265.51	3.97	-605.92	-0.29
915	916	11171.33	0.56	265.51	3.97	-300.73	-0.86
916	916	11170.26	0.56	265.51	3.97	-299.08	-0.86
916	917	11170.26	0.56	265.51	3.97	6.21	-1.53
917	917	11171.15	0.25	266.57	-0.98	4.13	-0.61
917	918	11171.15	0.25	266.57	-0.98	310.64	-0.98
918	918	11171.49	0.25	266.57	-0.98	310.11	-0.98
918	919	11171.49	0.25	266.57	-0.98	616.63	-1.27
919	919	11172.43	0.33	267.49	-5.15	614.77	0.00
919	920	11172.43	0.33	267.49	-5.15	922.32	-0.53
920	920	11172.77	0.33	267.49	-5.15	921.79	-0.53
920	921	11172.77	0.33	267.49	-5.15	1229.43	-0.86
921	921	11173.70	0.44	268.32	-8.69	1227.86	0.43
921	922	11173.70	0.44	268.32	-8.69	1536.32	-0.08
922	922	11174.04	0.44	268.32	-8.69	1535.80	-0.08
922	923	11174.04	0.44	268.32	-8.69	1844.35	-0.61
923	923	11174.99	0.50	269.05	-11.84	1842.83	0.61
923	924	11174.99	0.50	269.05	-11.84	2152.13	0.02
924	924	11175.33	0.50	269.05	-11.84	2151.60	0.02
924	925	11175.33	0.50	269.05	-11.84	2460.97	-0.53
925	925	11176.26	0.52	269.76	-14.93	2459.38	0.55
925	926	11176.26	0.52	269.76	-14.93	2769.72	-0.06
926	926	11176.60	0.52	269.76	-14.93	2769.19	-0.06
926	927	11176.60	0.52	269.76	-14.93	3079.42	-0.61
927	927	11177.56	0.51	270.45	-17.69	3077.77	0.59
927	928	11177.56	0.51	270.45	-17.69	3388.88	-0.04
928	928	11177.89	0.51	270.45	-17.69	3388.35	-0.04
928	929	11177.89	0.51	270.45	-17.69	3699.28	-0.63
929	929	11178.84	0.52	271.23	-20.20	3697.63	0.51
929	930	11178.84	0.52	271.23	-20.20	4009.62	-0.18
930	930	11179.17	0.52	271.23	-20.20	4009.09	-0.18
930	931	11179.17	0.52	271.23	-20.20	4320.96	-0.82
931	931	11180.11	0.52	272.11	-22.27	4319.27	0.43
931	932	11180.11	0.52	272.11	-22.27	4632.29	-0.16

SANT BOI PRET(t=I): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
932	932	11180.44	0.52	272.11	-22.27	4631.77	-0.16
932	933	11180.44	0.52	272.11	-22.27	4944.63	-0.82
933	933	11181.39	0.50	272.45	-22.98	4943.99	0.35
933	934	11181.39	0.50	272.45	-22.98	5257.34	-0.37
934	934	13013.74	0.50	272.45	-22.98	2439.56	-0.37
934	935	13013.74	0.50	272.45	-22.98	2752.86	-0.92
935	935	13032.30	0.48	271.63	-21.67	2726.45	0.20
935	936	13032.30	0.48	271.63	-21.67	3038.75	-0.27
936	936	13035.97	0.48	271.63	-21.67	3033.11	-0.27
936	937	13035.97	0.48	271.63	-21.67	3345.51	-0.86
937	937	13040.30	0.37	271.41	-21.86	3339.70	0.27
937	938	13040.30	0.37	271.41	-21.86	3651.90	-0.23
938	938	13043.95	0.37	271.41	-21.86	3646.34	-0.23
938	939	13043.95	0.37	271.41	-21.86	3958.26	-0.55
939	939	13048.29	0.25	271.72	-23.88	3951.86	0.53
939	940	13048.29	0.25	271.72	-23.88	4264.12	0.31
940	940	13051.94	0.25	271.72	-23.88	4258.45	0.31
940	941	13051.94	0.25	271.72	-23.88	4571.16	0.04
941	941	13056.28	0.19	272.37	-26.89	4563.99	1.15
941	942	13056.28	0.19	272.37	-26.89	4877.27	1.06
942	942	13059.92	0.19	272.37	-26.89	4871.67	1.06
942	943	13059.92	0.19	272.37	-26.89	5184.89	0.84
943	943	13064.26	0.52	273.34	-30.89	5177.39	2.62
943	944	13064.26	0.52	273.34	-30.89	5491.75	1.78
944	944	13067.89	0.52	273.34	-30.89	5486.17	1.78
944	945	13067.89	0.52	273.34	-30.89	5800.40	1.29
945	945	13074.63	1.43	-143.10	-36.74	5791.95	5.15
945	946	13074.63	1.43	-143.10	-36.74	5627.36	3.62
946	946	13078.23	1.43	-143.21	-36.74	5621.68	3.62
946	947	13078.23	1.43	-143.21	-36.74	5456.89	1.86
947	947	13078.99	3.22	276.69	-40.55	5448.51	1.04
947	948	13078.99	3.22	276.69	-40.55	5766.58	-2.66
948	948	13082.59	3.22	276.69	-40.55	5760.87	-2.66
948	949	13082.59	3.22	276.69	-40.55	6079.08	-6.38
949	949	13085.39	-1.13	-637.81	-37.48	6073.30	-7.36
949	950	13085.39	-1.13	-637.81	-37.48	5339.85	-6.22
950	950	13088.99	-1.13	-637.81	-37.48	5334.02	-6.22
950	951	13088.99	-1.13	-637.81	-37.48	4600.59	-4.89

SANT BOI PRET(t-I): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
951	951	13105.43	-4.03	-220.59	-26.42	4597.85	-11.14
951	952	13105.43	-4.03	-220.59	-26.42	4344.07	-6.54
952	952	13109.00	-4.03	-220.48	-26.42	4338.37	-6.54
952	953	13109.00	-4.03	-220.48	-26.42	4084.71	-1.98
953	953	13091.59	-0.50	-641.82	-13.76	4094.61	1.21
953	954	13091.59	-0.50	-641.82	-13.76	3356.64	1.82
954	954	14901.07	-0.50	-641.82	-13.76	574.05	1.82
954	955	14901.07	-0.50	-641.82	-13.76	-164.12	2.29
955	955	14901.18	0.19	-644.99	-0.14	-159.50	2.00
955	956	14901.18	0.19	-644.99	-0.14	-901.25	1.80
956	956	14901.63	0.19	-644.99	-0.14	-901.95	1.80
956	957	14901.63	0.19	-644.99	-0.14	-1643.64	1.60
957	957	14901.67	0.02	-647.70	11.35	-1640.10	0.63
957	958	14901.67	0.02	-647.70	11.35	-2385.04	0.57
958	958	14902.13	0.02	-647.70	11.35	-2385.75	0.57
958	959	14902.13	0.02	-647.70	11.35	-3130.41	0.45
959	959	14902.15	-0.23	-649.95	21.33	-3127.69	-0.49
959	960	14902.15	-0.23	-649.95	21.33	-3875.22	-0.16
960	960	14902.59	-0.23	-649.95	21.33	-3875.92	-0.16
960	961	14902.59	-0.23	-649.95	21.33	-4623.47	0.08
961	961	14902.61	-0.38	-651.88	30.14	-4621.08	-0.80
961	962	14902.61	-0.38	-651.88	30.14	-5370.78	-0.37
962	962	14903.06	-0.38	-651.88	30.14	-5371.48	-0.37
962	963	14903.06	-0.38	-651.88	30.14	-6120.98	-0.02
963	963	14903.04	-0.41	-653.69	38.48	-6118.79	-0.88
963	964	14903.04	-0.41	-653.69	38.48	-6870.58	-0.37
964	964	14903.50	-0.41	-653.69	38.48	-6871.29	-0.37
964	965	14903.50	-0.41	-653.69	38.48	-7623.04	0.06
965	965	14903.48	-0.41	-655.43	46.33	-7620.73	-0.70
965	966	14903.48	-0.41	-655.43	46.33	-8374.61	-0.27
966	966	14903.93	-0.41	-655.43	46.33	-8375.32	-0.27
966	967	14903.93	-0.41	-655.43	46.33	-9129.07	0.31
967	967	14903.91	-0.40	-657.15	54.04	-9126.78	-0.69
967	968	14903.91	-0.40	-657.15	54.04	-9882.56	-0.20
968	968	14904.36	-0.40	-657.15	54.04	-9883.27	-0.20
968	969	14904.36	-0.40	-657.15	54.04	-10638.93	0.33
969	969	14904.31	-0.35	-658.84	61.61	-10636.72	-0.67
969	970	14904.31	-0.35	-658.84	61.61	-11394.44	-0.23

SANT BOI PRET(t-I): 1.00*Pempuje Tendones inferiores

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
970	970	14904.76	-0.35	-658.84	61.61	-11395.07	-0.23
970	971	14904.76	-0.35	-658.84	61.61	-12152.71	0.12
971	971	14904.66	-0.23	-660.49	68.60	-12150.48	-0.67
971	972	14904.66	-0.23	-660.49	68.60	-12910.10	-0.39
972	972	14905.11	-0.23	-660.49	68.60	-12910.73	-0.39
972	973	14905.11	-0.23	-660.49	68.60	-13670.41	-0.14
973	973	14897.78	0.08	-662.01	74.87	-13657.37	-0.98
973	974	14897.78	0.08	-662.01	74.87	-14418.60	-1.04
974	974	14825.01	0.08	-662.01	74.87	-14306.72	-1.04
974	975	14825.01	0.08	-662.01	74.87	-15067.94	-1.10
975	975	14824.69	0.59	-663.39	80.19	-15066.16	-2.02
975	976	14824.69	0.59	-663.39	80.19	-15829.05	-2.56
976	976	14825.15	0.59	-663.39	80.19	-15829.68	-2.56
976	977	14825.15	0.59	-663.39	80.19	-16592.55	-3.33
977	977	14824.64	1.08	-664.85	84.38	-16590.47	-4.58
977	978	14824.64	1.08	-664.85	84.38	-17355.14	-5.89
978	978	14825.09	1.08	-664.85	84.38	-17355.85	-5.89
978	979	14825.09	1.08	-664.85	84.38	-18120.52	-7.09
979	979	14824.25	0.34	-667.31	88.43	-18117.13	-10.78
979	980	14824.25	0.34	-667.31	88.43	-18884.52	-11.22
980	980	14824.70	0.34	-667.31	88.43	-18885.23	-11.22
980	981	14824.70	0.34	-667.31	88.43	-19652.60	-11.45
981	981	14793.89	-4.99	-1147.13	95.30	-19645.94	-24.33
981	982	14793.89	-4.99	-1147.13	95.30	-20965.93	-18.55
982	982	14794.35	-4.99	-1147.14	95.30	-20966.64	-18.55
982	983	14794.35	-4.99	-1147.14	95.30	-22286.37	-12.78
983	983	14826.32	-1.02	-676.12	86.24	-22288.52	-2.99
983	984	14826.32	-1.02	-676.12	86.24	-23066.05	-1.94
984	984	14826.77	-1.02	-676.12	86.24	-23066.76	-1.94
984	985	14826.77	-1.02	-676.12	86.24	-23844.40	-0.74

7.5.1.1.8. Pretensado Servicio t=∞

TITULO
=======
SANT BOI PRET(t=I): 1.00*Pservicio

FICHERO DE GEOMETRIA COMPLETA
==========
GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS
==========
1

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
6	869	1138	55	PRET.TXT

Fich	Hipotesis	Caracter	Coeficiente
6	1	1	0.0000
6	2	1	0.0000
6	3	1	0.0000
6	4	1	0.0000
6	5	1	0.0000
6	6	1	0.0000
6	7	1	0.0000
6	8	1	0.0000
6	9	1	0.0000
6	10	1	0.0000
6	11	1	0.0000
6	12	1	0.0000
6	13	1	0.0000
6	14	1	0.0000
6	15	1	0.0000
6	16	1	0.0000
6	17	1	0.0000
6	18	1	0.0000
6	19	1	0.0000
6	20	1	0.0000
6	21	1	0.0000
6	22	1	0.0000
6	23	1	0.0000
6	24	1	0.0000
6	25	1	0.0000
6	26	1	0.0000
6	27	1	0.0000
6	28	1	0.0000
6	29	1	0.0000
6	30	1	0.0000
6	31	1	0.0000
6	32	1	0.0000
6	33	1	0.0000
6	34	1	4.2121
6	35	1	4.2121
6	36	1	4.2121
6	37	1	4.2121
6	38	1	4.2121
6	39	1	4.2121
6	40	1	4.2121
6	41	1	4.2121
6	42	1	4.2121
6	43	1	4.2121
6	44	1	4.2121
6	45	1	4.2121
6	46	1	0.0000
6	47	1	0.0000
6	48	1	0.0000
6	49	1	0.0000
6	50	1	0.0000
6	51	1	0.0000
6	52	1	0.0000
6	53	1	0.0000
6	54	1	0.0000
6	55	1	0.0000

COMBINACION DE ESFUERZOS

SANT BOI PRET(t=I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
1	1	14841.79	-0.20	-2629.10	23.46	2271.16	0.00
1	2	14841.79	-0.20	-2629.10	23.46	-752.41	0.25
2	2	14945.03	-0.20	-2465.98	23.46	-758.30	0.25
2	3	14945.03	-0.20	-2465.98	23.46	-3594.14	0.42
3	3	15129.93	-3.31	-1762.67	42.16	-3618.11	5.43
3	4	15129.93	-3.31	-1762.67	42.16	-5646.24	9.31
4	4	15241.34	-3.31	-1539.74	42.16	-5695.98	9.31
4	5	15241.34	-3.31	-1539.74	42.16	-7467.59	13.06
5	5	15300.34	0.13	-1800.29	55.01	-7526.64	5.98
5	6	15300.34	0.13	-1800.29	55.01	-9596.98	5.77
6	6	15412.32	0.13	-1572.17	55.01	-9676.63	5.77
6	7	15412.32	0.13	-1572.17	55.01	-11484.67	5.60
7	7	15521.37	0.48	-1337.85	66.93	-11572.03	3.79
7	8	15521.37	0.48	-1337.85	66.93	-13110.54	3.20
8	8	15625.59	0.48	-1103.37	66.93	-13211.29	3.20
8	9	15625.59	0.48	-1103.37	66.93	-14480.10	2.70
9	9	15726.71	0.22	-863.59	75.23	-14584.65	1.94
9	10	15726.71	0.22	-863.59	75.23	-15577.74	1.64
10	10	15823.51	0.22	-620.81	75.23	-15688.94	1.64
10	11	15823.51	0.22	-620.81	75.23	-16402.80	1.39
11	11	15916.62	-0.02	-375.15	78.68	-16514.76	0.93
11	12	15916.62	-0.02	-375.15	78.68	-16946.20	0.93
12	12	15961.26	-0.02	-126.40	78.68	-17007.03	0.93
12	13	15961.26	-0.02	-126.40	78.68	-17152.39	0.93
13	13	15882.51	-0.17	124.23	76.49	-17052.06	0.46
13	14	15882.51	-0.17	124.23	76.49	-16909.26	0.67
14	14	15804.48	-0.17	365.93	76.49	-16808.09	0.67
14	15	15804.48	-0.17	365.93	76.49	-16387.39	0.84
15	15	15724.95	-0.26	596.02	68.70	-16288.53	0.42
15	16	15724.95	-0.26	596.02	68.70	-15603.13	0.72
16	16	15642.63	-0.26	824.28	68.70	-15499.26	0.72
16	17	15642.63	-0.26	824.28	68.70	-14551.33	0.97
17	17	15557.21	-0.22	1047.76	55.09	-14452.94	0.42
17	18	15557.21	-0.22	1047.76	55.09	-13247.98	0.72
18	18	15468.60	-0.22	1272.70	55.09	-13145.29	0.72
18	19	15468.60	-0.22	1272.70	55.09	-11681.71	0.84

SANT BOI PRET(t=I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
19	19	15377.79	0.09	1488.35	35.51	-11591.53	0.13
19	20	15377.79	0.09	1488.35	35.51	-9879.90	-0.04
20	20	15324.82	0.09	1710.86	35.51	-9828.43	-0.04
20	21	15324.82	0.09	1710.86	35.51	-7860.92	-0.08
21	21	15299.95	0.74	1926.86	9.39	-7851.35	-1.14
21	22	15299.95	0.74	1926.86	9.39	-5635.41	-2.06
22	22	15271.76	0.74	2150.05	9.39	-5616.58	-2.06
22	23	15271.76	0.74	2150.05	9.39	-3144.08	-2.82
23	23	15241.33	1.16	2362.02	-24.18	-3141.97	-3.92
23	24	15241.33	1.16	2362.02	-24.18	-425.63	-5.18
24	24	15209.86	1.16	2582.08	-24.18	-415.69	-5.18
24	25	15209.86	1.16	2582.08	-24.18	2553.75	-6.61
25	25	15125.80	-0.79	2782.63	-65.25	2561.25	-5.60
25	26	15125.80	-0.79	2782.63	-65.25	5761.23	-4.72
26	26	15015.00	-0.79	2986.19	-65.25	5768.26	-4.72
26	27	15015.00	-0.79	2986.19	-65.25	9202.47	-3.83
27	27	14994.67	-11.28	2696.24	-115.07	9165.02	9.27
27	28	14994.67	-11.28	2696.24	-115.07	12267.15	22.28
28	28	22093.83	-11.28	3216.13	-115.07	17207.19	22.28
28	29	22093.83	-11.28	3216.13	-115.07	20907.64	35.26
29	29	21944.95	2.64	2939.52	-153.36	20882.41	13.18
29	30	21944.95	2.64	2939.52	-153.36	24262.83	10.15
30	30	21863.85	2.64	1136.32	-153.36	24222.40	10.15
30	31	21863.85	2.64	1136.32	-153.36	25529.12	7.12
31	31	21769.32	3.96	-532.46	-148.01	25470.27	1.85
31	32	21769.32	3.96	-532.46	-148.01	24857.96	-2.74
32	32	21747.94	3.96	-1456.00	-148.01	24843.56	-2.74
32	33	21747.94	3.96	-1456.00	-148.01	23169.16	-7.29
33	33	21905.20	-2.31	-1683.99	-107.32	23256.60	-10.02
33	34	21905.20	-2.31	-1683.99	-107.32	21319.00	-7.46
34	34	14625.16	-2.31	-2354.62	-107.32	16258.07	-7.46
34	35	14625.16	-2.31	-2354.62	-107.32	13548.98	-4.80
35	35	14629.90	0.43	-2658.83	-66.21	13604.54	-0.72
35	36	14629.90	0.43	-2658.83	-66.21	10546.85	-1.26
36	36	14718.61	0.43	-2505.25	-66.21	10564.66	-1.26
36	37	14718.61	0.43	-2505.25	-66.21	7683.67	-1.77
37	37	14743.15	0.24	-2333.48	-36.01	7692.64	-0.46
37	38	14743.15	0.24	-2333.48	-36.01	5009.24	-0.76

SANT BOI PRET(t=1): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
38	38	14765.68	0.24	-2166.34	-36.01	5005.58	-0.76
38	39	14765.68	0.24	-2166.34	-36.01	2514.24	-1.01
39	39	14785.95	0.16	-1995.14	-10.91	2516.65	0.08
39	40	14785.95	0.16	-1995.14	-10.91	222.15	-0.13
40	40	14805.39	0.16	-1825.95	-10.91	212.75	-0.13
40	41	14805.39	0.16	-1825.95	-10.91	-1887.06	-0.25
41	41	14822.59	0.24	-1653.76	10.07	-1890.73	0.55
41	42	14822.59	0.24	-1653.76	10.07	-3792.62	0.38
42	42	14838.69	0.24	-1484.00	10.07	-3804.66	0.38
42	43	14838.69	0.24	-1484.00	10.07	-5511.28	-0.04
43	43	14852.61	0.32	-1312.28	26.92	-5517.89	0.76
43	44	14852.61	0.32	-1312.28	26.92	-7027.13	0.42
44	44	14865.38	0.32	-1141.54	26.92	-7039.39	0.42
44	45	14865.38	0.32	-1141.54	26.92	-8352.17	-0.04
45	45	14876.08	0.35	-968.61	39.72	-8359.97	0.67
45	46	14876.08	0.35	-968.61	39.72	-9473.77	0.38
46	46	14885.40	0.35	-798.42	39.72	-9484.26	0.38
46	47	14885.40	0.35	-798.42	39.72	-10402.41	-0.13
47	47	14892.71	0.34	-625.79	48.23	-10409.15	0.59
47	48	14892.71	0.34	-625.79	48.23	-11128.92	0.29
48	48	14898.64	0.34	-454.44	48.23	-11136.29	0.29
48	49	14898.64	0.34	-454.44	48.23	-11658.84	-0.17
49	49	14902.52	0.32	-281.71	52.57	-11663.60	0.55
49	50	14902.52	0.32	-281.71	52.57	-11987.55	0.25
50	50	14904.99	0.32	-110.73	52.57	-11990.75	0.25
50	51	14904.99	0.32	-110.73	52.57	-12118.13	-0.21
51	51	14904.52	0.29	56.33	52.65	-12119.01	0.51
51	52	14904.52	0.29	56.33	52.65	-12054.23	0.25
52	52	14901.95	0.29	218.71	52.65	-12050.90	0.25
52	53	14901.95	0.29	218.71	52.65	-11799.36	-0.21
53	53	14897.51	0.27	381.33	48.48	-11796.87	0.59
53	54	14897.51	0.27	381.33	48.48	-11358.39	0.34
54	54	14891.78	0.27	543.63	48.48	-11351.48	0.34
54	55	14891.78	0.27	543.63	48.48	-10726.24	0.00
55	55	14884.13	0.27	703.54	40.10	-10722.07	0.63
55	56	14884.13	0.27	703.54	40.10	-9913.05	0.25
56	56	14875.55	0.27	865.62	40.10	-9903.83	0.25
56	57	14875.55	0.27	865.62	40.10	-8908.30	0.08

SANT BOI PRET(t=1): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
57	57	14864.85	0.35	1023.94	27.25	-8903.83	0.67
57	58	14864.85	0.35	1023.94	27.25	-7726.26	0.25
58	58	14853.08	0.35	1185.85	27.25	-7715.72	0.25
58	59	14853.08	0.35	1185.85	27.25	-6352.02	-0.08
59	59	14839.55	0.64	1341.69	9.81	-6349.15	0.38
59	60	14839.55	0.64	1341.69	9.81	-4806.22	-0.25
60	60	14824.83	0.64	1502.62	9.81	-4796.36	-0.25
60	61	14824.83	0.64	1502.62	9.81	-3068.43	-1.05
61	61	14808.23	1.16	1656.24	-13.06	-3069.06	-0.76
61	62	14808.23	1.16	1656.24	-13.06	-1164.52	-2.02
62	62	14790.57	1.16	1816.98	-13.06	-1157.65	-2.02
62	63	14790.57	1.16	1816.98	-13.06	931.93	-3.41
63	63	14771.67	1.45	1967.65	-41.74	924.22	-2.99
63	64	14771.67	1.45	1967.65	-41.74	3187.04	-4.63
64	64	14709.32	1.45	2120.65	-41.74	3203.22	-4.63
64	65	14709.32	1.45	2120.65	-41.74	5641.81	-6.32
65	65	14625.95	-0.32	2259.96	-76.74	5632.29	-4.25
65	66	14625.95	-0.32	2259.96	-76.74	8231.29	-3.92
66	66	14541.61	-0.32	2405.96	-76.74	8220.67	-3.92
66	67	14541.61	-0.32	2405.96	-76.74	10987.47	-3.58
67	67	14528.56	-9.49	2075.44	-119.75	10942.15	9.81
67	68	14528.56	-9.49	2075.44	-119.75	13330.16	20.72
68	68	21663.89	-9.49	2022.65	-119.75	18283.76	20.72
68	69	21663.89	-9.49	2022.65	-119.75	20610.98	31.55
69	69	21504.82	2.84	1799.62	-151.26	20551.89	10.95
69	70	21504.82	2.84	1799.62	-151.26	22621.46	7.67
70	70	21522.87	2.84	584.82	-151.26	22654.15	7.67
70	71	21522.87	2.84	584.82	-151.26	23326.61	4.46
71	71	21687.29	3.54	-485.15	-142.58	23491.51	-0.63
71	72	21687.29	3.54	-485.15	-142.58	22933.49	-4.84
72	72	21839.97	3.54	-1414.29	-142.58	23065.12	-4.84
72	73	21839.97	3.54	-1414.29	-142.58	21438.75	-8.89
73	73	21996.13	-3.51	-1639.53	-100.67	21525.89	-11.33
73	74	21996.13	-3.51	-1639.53	-100.67	19639.55	-7.33
74	74	14617.32	-3.51	-2313.31	-100.67	14509.51	-7.33
74	75	14617.32	-3.51	-2313.31	-100.67	11847.92	-3.24
75	75	14623.95	-0.15	-2617.52	-59.18	11903.18	-1.26
75	76	14623.95	-0.15	-2617.52	-59.18	8893.09	-1.05

SANT BOI PRET(t=I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
76	76	14712.65	-0.15	-2463.94	-59.18	8910.91	-1.05
76	77	14712.65	-0.15	-2463.94	-59.18	6077.39	-0.97
77	77	14737.63	-0.11	-2292.23	-28.64	6086.32	-0.72
77	78	14737.63	-0.11	-2292.23	-28.64	3450.22	-0.63
78	78	14760.16	-0.11	-2125.09	-28.64	3446.51	-0.63
78	79	14760.16	-0.11	-2125.09	-28.64	1002.65	-0.51
79	79	14780.86	-0.15	-1953.94	-3.54	1004.88	-0.29
79	80	14780.86	-0.15	-1953.94	-3.54	-1242.19	-0.08
80	80	14800.30	-0.15	-1784.76	-3.54	-1251.58	-0.08
80	81	14800.30	-0.15	-1784.76	-3.54	-3304.06	0.08
81	81	14817.93	-0.08	-1612.62	17.27	-3307.85	0.04
81	82	14817.93	-0.08	-1612.62	17.27	-5162.27	0.21
82	82	14834.03	-0.08	-1442.87	17.27	-5174.40	0.21
82	83	14834.03	-0.08	-1442.87	17.27	-6833.71	0.25
83	83	14848.38	-0.01	-1271.22	33.82	-6840.53	0.13
83	84	14848.38	-0.01	-1271.22	33.82	-8302.43	0.21
84	84	14861.16	-0.01	-1100.49	33.82	-8314.77	0.21
84	85	14861.16	-0.01	-1100.49	33.82	-9580.30	0.25
85	85	14872.28	0.01	-927.64	46.33	-9588.09	0.13
85	86	14872.28	0.01	-927.64	46.33	-10654.93	0.17
86	86	14881.60	0.01	-757.45	46.33	-10665.46	0.17
86	87	14881.60	0.01	-757.45	46.33	-11536.52	0.08
87	87	14889.34	-0.01	-584.93	54.50	-11543.39	-0.04
87	88	14889.34	-0.01	-584.93	54.50	-12216.02	0.00
88	88	14895.27	-0.01	-413.58	54.50	-12223.35	0.00
88	89	14895.27	-0.01	-413.58	54.50	-12698.93	0.08
89	89	14899.58	-0.05	-240.94	58.46	-12703.86	-0.08
89	90	14899.58	-0.05	-240.94	58.46	-12980.89	0.00
90	90	14902.06	-0.05	-69.96	58.46	-12984.05	0.00
90	91	14902.06	-0.05	-69.96	58.46	-13064.63	0.08
91	91	14902.01	-0.07	96.99	58.04	-13065.56	-0.04
91	92	14902.01	-0.07	96.99	58.04	-12953.98	0.00
92	92	14899.44	-0.07	259.37	58.04	-12950.65	0.00
92	93	14899.44	-0.07	259.37	58.04	-12652.39	0.13
93	93	14895.41	-0.09	421.87	53.45	-12650.07	-0.04
93	94	14895.41	-0.09	421.87	53.45	-12164.92	0.17
94	94	14889.69	-0.09	584.18	53.45	-12158.02	0.17
94	95	14889.69	-0.09	584.18	53.45	-11486.19	0.29

SANT BOI PRET(t=I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
95	95	14882.45	-0.09	743.97	44.52	-11482.14	0.17
95	96	14882.45	-0.09	743.97	44.52	-10626.58	0.29
96	96	14873.87	-0.09	906.06	44.52	-10617.36	0.29
96	97	14873.87	-0.09	906.06	44.52	-9575.41	0.38
97	97	14863.60	-0.03	1064.25	31.17	-9571.07	0.29
97	98	14863.60	-0.03	1064.25	31.17	-8347.16	0.25
98	98	14851.83	-0.03	1226.15	31.17	-8336.55	0.25
98	99	14851.83	-0.03	1226.15	31.17	-6926.50	0.29
99	99	14838.74	0.24	1381.86	13.10	-6923.85	0.08
99	100	14838.74	0.24	1381.86	13.10	-5334.75	-0.25
100	100	14824.01	0.24	1542.79	13.10	-5324.89	-0.25
100	101	14824.01	0.24	1542.79	13.10	-3550.59	-0.55
101	101	14807.85	0.77	1696.28	-10.28	-3551.56	-0.88
101	102	14807.85	0.77	1696.28	-10.28	-1600.81	-1.90
102	102	14790.20	0.77	1857.02	-10.28	-1593.99	-1.90
102	103	14790.20	0.77	1857.02	-10.28	541.63	-2.74
103	103	14771.70	1.08	2007.58	-39.38	533.72	-3.12
103	104	14771.70	1.08	2007.58	-39.38	2842.45	-4.46
104	104	14709.35	1.08	2160.58	-39.38	2858.63	-4.46
104	105	14709.35	1.08	2160.58	-39.38	5343.26	-5.64
105	105	14626.35	-0.62	2299.76	-74.85	5333.49	-4.30
105	106	14626.35	-0.62	2299.76	-74.85	7978.22	-3.58
106	106	14542.01	-0.62	2445.77	-74.85	7967.57	-3.58
106	107	14542.01	-0.62	2445.77	-74.85	10780.32	-2.86
107	107	14530.44	-9.69	2115.21	-117.77	10734.87	9.90
107	108	14530.44	-9.69	2115.21	-117.77	13168.67	21.02
108	108	21645.92	-9.69	2061.43	-117.77	18107.99	21.02
108	109	21645.92	-9.69	2061.43	-117.77	20479.90	32.18
109	109	21485.51	2.80	1837.98	-149.32	20420.85	11.67
109	110	21485.51	2.80	1837.98	-149.32	22534.44	8.51
110	110	21503.66	2.80	624.12	-149.32	22566.96	8.51
110	111	21503.66	2.80	624.12	-149.32	23284.70	5.31
111	111	21683.26	3.80	-517.39	-140.05	23463.59	0.63
111	112	21683.26	3.80	-517.39	-140.05	22868.54	-3.83
112	112	21848.33	3.80	-1627.86	-140.05	23009.10	-3.83
112	113	21848.33	3.80	-1627.86	-140.05	21137.16	-8.17
113	113	21998.61	-3.05	-1937.75	-97.76	21210.91	-9.65
113	114	21998.61	-3.05	-1937.75	-97.76	18981.32	-6.15

SANT BOI PRET(t=I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
114	114	14604.20	-3.05	-2337.32	-97.76	13845.85	-6.15
114	115	14604.20	-3.05	-2337.32	-97.76	11156.59	-2.65
115	115	14616.45	0.44	-2627.14	-56.57	11208.19	-0.08
115	116	14616.45	0.44	-2627.14	-56.57	8186.97	-0.55
116	116	14696.60	0.44	-2456.35	-56.57	8194.89	-0.55
116	117	14696.60	0.44	-2456.35	-56.57	5370.09	-1.14
117	117	14725.48	0.41	-2268.40	-26.79	5378.39	0.00
117	118	14725.48	0.41	-2268.40	-26.79	2769.67	-0.38
118	118	14750.08	0.41	-2086.12	-26.79	2762.88	-0.38
118	119	14750.08	0.41	-2086.12	-26.79	363.84	-0.88
119	119	14772.27	0.31	-1899.04	-2.27	362.45	0.13
119	120	14772.27	0.31	-1899.04	-2.27	-1821.44	-0.17
120	120	14793.18	0.31	-1713.84	-2.27	-1833.74	-0.17
120	121	14793.18	0.31	-1713.84	-2.27	-3804.62	-0.51
121	121	14811.44	0.35	-1525.57	17.48	-3811.57	0.42
121	122	14811.44	0.35	-1525.57	17.48	-5566.08	-0.08
122	122	14828.27	0.35	-1340.63	17.48	-5580.32	-0.08
122	123	14828.27	0.35	-1340.63	17.48	-7122.03	-0.42
123	123	14842.62	0.40	-1151.52	32.85	-7131.42	0.38
123	124	14842.62	0.40	-1151.52	32.85	-8455.45	-0.13
124	124	14855.65	0.40	-965.21	32.85	-8469.10	-0.13
124	125	14855.65	0.40	-965.21	32.85	-9579.07	-0.51
125	125	14865.82	0.39	-776.52	43.47	-9588.17	0.34
125	126	14865.82	0.39	-776.52	43.47	-10481.05	-0.17
126	126	14874.50	0.39	-588.76	43.47	-10491.29	-0.17
126	127	14874.50	0.39	-588.76	43.47	-11168.47	-0.59
127	127	14880.65	0.37	-401.17	49.37	-11175.33	0.17
127	128	14880.65	0.37	-401.17	49.37	-11636.64	-0.29
128	128	14885.15	0.37	-213.61	49.37	-11642.37	-0.29
128	129	14885.15	0.37	-213.61	49.37	-11887.94	-0.59
129	129	14887.22	0.34	-25.75	50.76	-11891.85	0.13
129	130	14887.22	0.34	-25.75	50.76	-11921.42	-0.29
130	130	14886.59	0.34	157.33	50.76	-11920.62	-0.29
130	131	14886.59	0.34	157.33	50.76	-11739.67	-0.63
131	131	14882.74	0.32	334.86	47.51	-11737.65	0.08
131	132	14882.74	0.32	334.86	47.51	-11352.54	-0.13
132	132	14877.30	0.32	512.63	47.51	-11345.80	-0.13
132	133	14877.30	0.32	512.63	47.51	-10756.23	-0.51

SANT BOI PRET(t=I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
133	133	14869.75	0.31	688.32	39.51	-10751.81	0.21
133	134	14869.75	0.31	688.32	39.51	-9960.27	-0.04
134	134	14860.52	0.31	865.71	39.51	-9949.82	-0.04
134	135	14860.52	0.31	865.71	39.51	-8954.25	-0.42
135	135	14849.08	0.40	1040.20	26.70	-8948.44	0.25
135	136	14849.08	0.40	1040.20	26.70	-7752.16	-0.17
136	136	14836.51	0.40	1216.06	26.70	-7740.15	-0.17
136	137	14836.51	0.40	1216.06	26.70	-6341.70	-0.63
137	137	14821.34	0.71	1388.05	8.63	-6336.81	0.08
137	138	14821.34	0.71	1388.05	8.63	-4740.51	-0.84
138	138	14805.15	0.71	1563.36	8.63	-4728.67	-0.84
138	139	14805.15	0.71	1563.36	8.63	-2930.86	-1.60
139	139	14786.46	1.25	1732.18	-15.08	-2929.60	-1.22
139	140	14786.46	1.25	1732.18	-15.08	-937.66	-2.65
140	140	14766.53	1.25	1907.26	-15.08	-928.64	-2.65
140	141	14766.53	1.25	1907.26	-15.08	1264.68	-4.09
141	141	14744.97	1.55	2072.74	-45.36	1258.41	-3.66
141	142	14744.97	1.55	2072.74	-45.36	3642.08	-5.39
142	142	14676.73	1.55	2238.67	-45.36	3664.02	-5.39
142	143	14676.73	1.55	2238.67	-45.36	6238.37	-7.20
143	143	14587.21	-0.38	2392.25	-82.60	6234.33	-4.93
143	144	14587.21	-0.38	2392.25	-82.60	8985.38	-4.51
144	144	14497.19	-0.38	2550.93	-82.60	8979.73	-4.51
144	145	14497.19	-0.38	2550.93	-82.60	11913.29	-4.00
145	145	14482.62	-10.18	2234.99	-128.85	11870.37	10.15
145	146	14482.62	-10.18	2234.99	-128.85	14441.90	21.95
146	146	21637.76	-10.18	2450.72	-128.85	19402.03	21.95
146	147	21637.76	-10.18	2450.72	-128.85	22221.73	33.53
147	147	21668.68	3.01	2167.39	-163.35	22307.37	11.04
147	148	21668.68	3.01	2167.39	-163.35	24799.79	7.54
148	148	21834.12	3.01	771.87	-163.35	24962.21	7.54
148	149	21834.12	3.01	771.87	-163.35	25849.78	4.09
149	149	21996.98	3.61	-710.56	-153.74	26016.63	-2.02
149	150	21996.98	3.61	-710.56	-153.74	25199.48	-6.15
150	150	22153.51	3.61	-1662.28	-153.74	25334.31	-6.15
150	151	22153.51	3.61	-1662.28	-153.74	23422.77	-10.40
151	151	22321.16	-4.22	-1898.97	-108.25	23513.75	-13.73
151	152	22321.16	-4.22	-1898.97	-108.25	21328.85	-8.85

SANT BOI PRET(t=I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
152	152	14973.02	-4.22	-2582.40	-108.25	16220.12	-8.85
152	153	14973.02	-4.22	-2582.40	-108.25	13248.91	-4.04
153	153	14973.18	-0.56	-2893.14	-63.01	13306.99	-2.49
153	154	14973.18	-0.56	-2893.14	-63.01	9979.98	-1.94
154	154	15064.03	-0.56	-2735.81	-63.01	9998.26	-1.94
154	155	15064.03	-0.56	-2735.81	-63.01	6852.03	-1.22
155	155	15091.46	-0.49	-2559.55	-29.19	6862.56	-1.68
155	156	15091.46	-0.49	-2559.55	-29.19	3919.19	-1.10
156	156	15116.08	-0.49	-2388.56	-29.19	3915.15	-1.10
156	157	15116.08	-0.49	-2388.56	-29.19	1168.18	-0.51
157	157	15139.17	-0.51	-2212.82	-0.84	1171.17	-0.97
157	158	15139.17	-0.51	-2212.82	-0.84	-1373.48	-0.46
158	158	15160.65	-0.51	-2039.66	-0.84	-1383.89	-0.46
158	159	15160.65	-0.51	-2039.66	-0.84	-3729.52	0.17
159	159	15180.63	-0.38	-1862.81	23.25	-3733.06	-0.55
159	160	15180.63	-0.38	-1862.81	23.25	-5875.29	-0.08
160	160	15229.94	-0.38	-1692.04	23.25	-5913.03	-0.08
160	161	15229.94	-0.38	-1692.04	23.25	-7858.81	0.38
161	161	15309.34	-0.31	-1520.61	43.34	-7920.52	-0.38
161	162	15309.34	-0.31	-1520.61	43.34	-9669.17	-0.13
162	162	15387.21	-0.31	-1349.38	43.34	-9744.82	-0.13
162	163	15387.21	-0.31	-1349.38	43.34	-11296.60	0.34
163	163	15463.90	-0.30	-1173.77	59.10	-11371.79	-0.46
163	164	15463.90	-0.30	-1173.77	59.10	-12721.64	-0.17
164	164	15538.18	-0.30	-1000.12	59.10	-12805.54	-0.17
164	165	15538.18	-0.30	-1000.12	59.10	-13955.70	0.29
165	165	15611.55	-0.33	-821.85	70.59	-14038.97	-0.55
165	166	15611.55	-0.33	-821.85	70.59	-14984.08	-0.21
166	166	15682.63	-0.33	-644.01	70.59	-15071.99	-0.21
166	167	15682.63	-0.33	-644.01	70.59	-15812.64	0.25
167	167	15752.69	-0.37	-462.64	77.63	-15899.33	-0.55
167	168	15752.69	-0.37	-462.64	77.63	-16431.36	-0.17
168	168	15820.08	-0.37	-282.20	77.63	-16518.21	-0.17
168	169	15820.08	-0.37	-282.20	77.63	-16842.76	0.34
169	169	15884.82	-0.38	-106.94	80.28	-16926.11	-0.55
169	170	15884.82	-0.38	-106.94	80.28	-17049.15	-0.13
170	170	15946.08	-0.38	63.26	80.28	-17128.17	-0.13
170	171	15946.08	-0.38	63.26	80.28	-17055.42	0.38

SANT BOI PRET(t=I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
171	171	16006.19	-0.35	233.22	78.43	-17133.14	-0.51
171	172	16006.19	-0.35	233.22	78.43	-16864.95	-0.04
172	172	16046.34	-0.35	404.59	78.43	-16911.67	-0.04
172	173	16046.34	-0.35	404.59	78.43	-16446.36	0.34
173	173	15975.81	-0.20	569.67	72.07	-16364.98	-0.67
173	174	15975.81	-0.20	569.67	72.07	-15709.83	-0.46
174	174	15903.03	-0.20	734.90	72.07	-15626.85	-0.46
174	175	15903.03	-0.20	734.90	72.07	-14781.69	-0.29
175	175	15828.88	0.15	895.27	61.96	-14706.51	-1.56
175	176	15828.88	0.15	895.27	61.96	-13676.94	-1.73
176	176	15752.09	0.15	1057.74	61.96	-13600.66	-1.73
176	177	15752.09	0.15	1057.74	61.96	-12384.25	-1.90
177	177	15674.07	0.48	1214.71	48.78	-12319.55	-3.50
177	178	15674.07	0.48	1214.71	48.78	-10922.56	-4.04
178	178	15593.62	0.48	1373.52	48.78	-10858.37	-4.04
178	179	15593.62	0.48	1373.52	48.78	-9278.88	-4.55
179	179	15512.60	-0.11	1525.26	33.95	-9229.97	-5.94
179	180	15512.60	-0.11	1525.26	33.95	-7475.97	-5.81
180	180	15428.42	-0.11	1680.83	33.95	-7429.55	-5.81
180	181	15428.42	-0.11	1680.83	33.95	-5496.58	-5.60
181	181	15394.69	-3.61	1339.18	20.05	-5467.56	-6.28
181	182	15394.69	-3.61	1339.18	20.05	-3926.73	-2.02
182	182	15312.72	-3.61	1491.46	20.05	-3901.25	-2.02
182	183	15312.72	-3.61	1491.46	20.05	-2185.15	2.06
183	183	15167.03	-0.03	2127.93	7.29	-2176.14	0.42
183	184	15167.03	-0.03	2127.93	7.29	270.92	0.38
184	184	15091.04	-0.03	2239.49	7.29	270.00	0.38
184	185	15091.04	-0.03	2239.49	7.29	2845.36	0.34

SANT BOI PRET(t=I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
801	801	14835.65	-0.39	-2625.13	9.31	2264.89	-0.25
801	802	14835.65	-0.39	-2625.13	9.31	-754.01	0.25
802	802	14938.90	-0.39	-2462.01	9.31	-759.95	0.25
802	803	14938.90	-0.39	-2462.01	9.31	-3591.32	0.59
803	803	15125.91	-3.77	-1767.00	25.31	-3616.34	-0.84
803	804	15125.91	-3.77	-1767.00	25.31	-5649.39	3.45
804	804	15237.32	-3.77	-1544.07	25.31	-5699.22	3.45
804	805	15237.32	-3.77	-1544.07	25.31	-7475.85	7.83
805	805	15294.06	0.09	-1810.89	41.19	-7532.67	7.20
805	806	15294.06	0.09	-1810.89	41.19	-9615.09	7.16
806	806	15406.03	0.09	-1582.76	41.19	-9694.78	7.16
806	807	15406.03	0.09	-1582.76	41.19	-11514.95	6.99
807	807	15513.74	0.73	-1355.15	56.57	-11599.49	5.77
807	808	15513.74	0.73	-1355.15	56.57	-13157.97	4.93
808	808	15617.96	0.73	-1120.67	56.57	-13258.64	4.93
808	809	15617.96	0.73	-1120.67	56.57	-14547.41	4.13
809	809	15718.02	0.35	-885.87	68.32	-14648.72	2.65
809	810	15718.02	0.35	-885.87	68.32	-15667.50	2.32
810	810	15814.83	0.35	-643.08	68.32	-15778.65	2.32
810	811	15814.83	0.35	-643.08	68.32	-16518.13	1.90
811	811	15907.09	-0.05	-400.04	75.23	-16626.46	0.76
811	812	15907.09	-0.05	-400.04	75.23	-17086.55	0.80
812	812	15951.73	-0.05	-151.29	75.23	-17147.37	0.80
812	813	15951.73	-0.05	-151.29	75.23	-17321.29	0.80
813	813	15872.24	-0.23	99.49	76.15	-17217.51	0.00
813	814	15872.24	-0.23	99.49	76.15	-17103.11	0.29
814	814	15794.22	-0.23	341.19	76.15	-17001.97	0.29
814	815	15794.22	-0.23	341.19	76.15	-16609.70	0.55
815	815	15714.02	-0.24	574.10	70.85	-16507.73	-0.13
815	816	15714.02	-0.24	574.10	70.85	-15847.48	0.17
816	816	15631.71	-0.24	802.36	70.85	-15743.69	0.17
816	817	15631.71	-0.24	802.36	70.85	-14820.91	0.46
817	817	15545.64	-0.19	1031.24	59.56	-14719.73	-0.17
817	818	15545.64	-0.19	1031.24	59.56	-13533.77	0.17

SANT BOI PRET(t=I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
818	818	15457.03	-0.19	1256.18	59.56	-13431.12	0.17
818	819	15457.03	-0.19	1256.18	59.56	-11986.54	0.29
819	819	15365.62	-0.16	1479.76	42.46	-11893.62	-0.21
819	820	15365.62	-0.16	1479.76	42.46	-10191.89	0.04
820	820	15312.66	-0.16	1702.27	42.46	-10140.46	0.04
820	821	15312.66	-0.16	1702.27	42.46	-8182.85	0.21
821	821	15287.26	-0.09	1928.75	19.97	-8170.25	-0.29
821	822	15287.26	-0.09	1928.75	19.97	-5952.08	-0.13
822	822	15259.08	-0.09	2151.94	19.97	-5933.29	-0.13
822	823	15259.08	-0.09	2151.94	19.97	-3458.68	-0.08
823	823	15228.19	0.07	2376.99	-7.83	-3452.96	-0.34
823	824	15228.19	0.07	2376.99	-7.83	-719.43	-0.42
824	824	15196.72	0.07	2597.05	-7.83	-709.49	-0.42
824	825	15196.72	0.07	2597.05	-7.83	2277.19	-0.55
825	825	15112.81	-0.25	2813.51	-41.74	2288.39	-1.26
825	826	15112.81	-0.25	2813.51	-41.74	5523.87	-0.93
826	826	15002.01	-0.25	3017.07	-41.74	5530.87	-0.93
826	827	15002.01	-0.25	3017.07	-41.74	9000.54	-0.67
827	827	14986.55	-5.58	2749.97	-87.65	8963.39	-1.68
827	828	14986.55	-5.58	2749.97	-87.65	12127.56	4.76
828	828	22085.72	-5.58	3269.87	-87.65	17067.47	4.76
828	829	22085.72	-5.58	3269.87	-87.65	20829.68	11.20
829	829	21932.31	2.32	3015.50	-137.99	20792.95	9.98
829	830	21932.31	2.32	3015.50	-137.99	24260.81	7.41
830	830	21851.22	2.32	1212.30	-137.99	24220.38	7.41
830	831	21851.22	2.32	1212.30	-137.99	25614.45	4.63
831	831	21754.63	4.07	-474.62	-155.64	25537.04	-1.05
831	832	21754.63	4.07	-474.62	-155.64	24991.32	-5.64
832	832	21733.27	4.07	-1398.15	-155.64	24976.87	-5.64
832	833	21733.27	4.07	-1398.15	-155.64	23369.03	-10.28
833	833	21886.11	-8.87	-1643.97	-129.35	23443.54	-31.84
833	834	21886.11	-8.87	-1643.97	-129.35	21552.01	-21.65
834	834	14606.08	-8.87	-2314.61	-129.35	16491.05	-21.65
834	835	14606.08	-8.87	-2314.61	-129.35	13828.03	-11.46
835	835	14616.77	-0.35	-2638.27	-87.65	13881.69	2.44
835	836	14616.77	-0.35	-2638.27	-87.65	10847.63	2.78
836	836	14705.47	-0.35	-2484.68	-87.65	10865.45	2.78
836	837	14705.47	-0.35	-2484.68	-87.65	8008.17	3.20

SANT BOI PRET(t=I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
837	837	14731.60	1.24	-2326.81	-52.06	8019.75	5.35
837	838	14731.60	1.24	-2326.81	-52.06	5343.93	3.96
838	838	14754.12	1.24	-2159.67	-52.06	5340.23	3.96
838	839	14754.12	1.24	-2159.67	-52.06	2856.69	2.53
839	839	14775.45	1.00	-2000.28	-21.78	2862.04	3.07
839	840	14775.45	1.00	-2000.28	-21.78	561.68	1.85
840	840	14794.88	1.00	-1831.10	-21.78	552.33	1.85
840	841	14794.88	1.00	-1831.10	-21.78	-1553.46	0.72
841	841	14813.02	0.57	-1668.75	2.82	-1554.43	1.18
841	842	14813.02	0.57	-1668.75	2.82	-3473.47	0.55
842	842	14829.12	0.57	-1498.99	2.82	-3485.51	0.55
842	843	14829.12	0.57	-1498.99	2.82	-5209.36	-0.17
843	843	14843.88	0.33	-1335.10	22.20	-5213.61	0.51
843	844	14843.88	0.33	-1335.10	22.20	-6748.96	0.08
844	844	14856.66	0.33	-1164.37	22.20	-6761.31	0.08
844	845	14856.66	0.33	-1164.37	22.20	-8100.33	-0.29
845	845	14868.14	0.27	-997.30	36.60	-8105.72	0.38
845	846	14868.14	0.27	-997.30	36.60	-9252.59	0.08
846	846	14877.46	0.27	-827.11	36.60	-9263.04	0.08
846	847	14877.46	0.27	-827.11	36.60	-10214.22	-0.29
847	847	14885.52	0.27	-658.46	46.46	-10218.64	0.42
847	848	14885.52	0.27	-658.46	46.46	-10975.93	0.21
848	848	14891.45	0.27	-487.12	46.46	-10983.18	0.21
848	849	14891.45	0.27	-487.12	46.46	-11543.30	-0.21
849	849	14896.05	0.29	-316.48	51.98	-11545.62	0.55
849	850	14896.05	0.29	-316.48	51.98	-11909.54	0.34
850	850	14898.54	0.29	-145.50	51.98	-11912.75	0.34
850	851	14898.54	0.29	-145.50	51.98	-12080.05	-0.13
851	851	14898.81	0.31	21.31	53.03	-12078.53	0.63
851	852	14898.81	0.31	21.31	53.03	-12054.10	0.29
852	852	14896.23	0.31	183.68	53.03	-12050.78	0.29
852	853	14896.23	0.31	183.68	53.03	-11839.50	-0.13
853	853	14892.51	0.34	347.86	50.00	-11834.61	0.59
853	854	14892.51	0.34	347.86	50.00	-11434.55	0.25
854	854	14886.78	0.34	510.17	50.00	-11427.60	0.25
854	855	14886.78	0.34	510.17	50.00	-10840.93	-0.17
855	855	14879.87	0.35	673.46	42.71	-10834.36	0.51
855	856	14879.87	0.35	673.46	42.71	-10059.84	0.08

SANT BOI PRET(t=I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
856	856	14871.29	0.35	835.54	42.71	-10050.62	0.08
856	857	14871.29	0.35	835.54	42.71	-9089.71	-0.34
857	857	14861.35	0.35	999.05	31.42	-9082.89	0.38
857	858	14861.35	0.35	999.05	31.42	-7933.95	0.00
858	858	14849.58	0.35	1160.96	31.42	-7923.38	0.00
858	859	14849.58	0.35	1160.96	31.42	-6588.40	-0.46
859	859	14836.87	0.29	1323.90	15.96	-6583.01	0.29
859	860	14836.87	0.29	1323.90	15.96	-5060.42	-0.04
860	860	14822.14	0.29	1484.83	15.96	-5050.56	-0.04
860	861	14822.14	0.29	1484.83	15.96	-3343.14	-0.34
861	861	14806.42	0.23	1647.53	-3.58	-3341.04	0.42
861	862	14806.42	0.23	1647.53	-3.58	-1446.31	0.13
862	862	14788.77	0.23	1808.27	-3.58	-1439.44	0.13
862	863	14788.77	0.23	1808.27	-3.58	639.99	-0.17
863	863	14770.84	0.32	1970.03	-27.46	635.61	0.84
863	864	14770.84	0.32	1970.03	-27.46	2901.17	0.59
864	864	14708.48	0.32	2123.04	-27.46	2917.38	0.59
864	865	14708.48	0.32	2123.04	-27.46	5358.89	0.17
865	865	14626.49	0.32	2275.69	-56.48	5352.48	1.05
865	866	14626.49	0.32	2275.69	-56.48	7969.55	0.63
866	866	14542.14	0.32	2421.69	-56.48	7959.02	0.63
866	867	14542.14	0.32	2421.69	-56.48	10743.89	0.29
867	867	14534.20	-3.07	2110.75	-96.79	10698.65	2.57
867	868	14534.20	-3.07	2110.75	-96.79	13127.22	6.19
868	868	21669.53	-3.07	2057.96	-96.79	18080.90	6.19
868	869	21669.53	-3.07	2057.96	-96.79	20448.69	9.69
869	869	21506.33	4.50	1853.87	-139.08	20379.36	8.38
869	870	21506.33	4.50	1853.87	-139.08	22511.40	3.24
870	870	21524.38	4.50	639.07	-139.08	22544.09	3.24
870	871	21524.38	4.50	639.07	-139.08	23278.97	-1.98
871	871	21686.17	2.17	-422.52	-150.41	23427.78	-6.74
871	872	21686.17	2.17	-422.52	-150.41	22941.88	-9.27
872	872	21838.87	2.17	-1351.65	-150.41	23073.50	-9.27
872	873	21838.87	2.17	-1351.65	-150.41	21519.20	-11.75
873	873	21989.95	-9.81	-1594.98	-121.48	21594.89	-32.69
873	874	21989.95	-9.81	-1594.98	-121.48	19759.64	-21.36
874	874	14611.15	-9.81	-2268.77	-121.48	14629.63	-21.36
874	875	14611.15	-9.81	-2268.77	-121.48	12019.23	-10.07

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SANT BOI PRET(t=I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
875	875	14622.72	-0.64	-2592.79	-79.15	12073.31	2.82
875	876	14622.72	-0.64	-2592.79	-79.15	9091.65	3.71
876	876	14711.42	-0.64	-2439.20	-79.15	9109.47	3.71
876	877	14711.42	-0.64	-2439.20	-79.15	6304.38	4.34
877	877	14737.11	1.09	-2281.40	-43.55	6316.13	5.69
877	878	14737.11	1.09	-2281.40	-43.55	3692.45	4.46
878	878	14759.63	1.09	-2114.26	-43.55	3688.75	4.46
878	879	14759.63	1.09	-2114.26	-43.55	1257.40	3.12
879	879	14780.53	0.80	-1954.86	-13.52	1262.62	2.91
879	880	14780.53	0.80	-1954.86	-13.52	-985.51	1.94
880	880	14799.97	0.80	-1785.67	-13.52	-994.86	1.94
880	881	14799.97	0.80	-1785.67	-13.52	-3048.30	1.10
881	881	14817.67	0.26	-1623.26	10.78	-3049.48	0.59
881	882	14817.67	0.26	-1623.26	10.78	-4916.07	0.29
882	882	14833.78	0.26	-1453.50	10.78	-4928.16	0.29
882	883	14833.78	0.26	-1453.50	10.78	-6599.73	-0.04
883	883	14848.10	-0.01	-1289.53	29.61	-6604.15	-0.21
883	884	14848.10	-0.01	-1289.53	29.61	-8087.19	-0.25
884	884	14860.88	-0.01	-1118.80	29.61	-8099.49	-0.25
884	885	14860.88	-0.01	-1118.80	29.61	-9386.16	-0.21
885	885	14871.94	-0.09	-951.66	43.60	-9391.59	-0.42
885	886	14871.94	-0.09	-951.66	43.60	-10485.94	-0.25
886	886	14881.25	-0.09	-781.46	43.60	-10496.47	-0.25
886	887	14881.25	-0.09	-781.46	43.60	-11395.16	-0.13
887	887	14888.88	-0.08	-612.72	53.07	-11399.80	-0.21
887	888	14888.88	-0.08	-612.72	53.07	-12104.44	-0.08
888	888	14894.81	-0.08	-441.38	53.07	-12111.73	-0.08
888	889	14894.81	-0.08	-441.38	53.07	-12619.28	0.00
889	889	14899.01	-0.06	-270.64	57.96	-12621.85	-0.13
889	890	14899.01	-0.06	-270.64	57.96	-12933.08	0.00
890	890	14901.49	-0.06	-99.67	57.96	-12936.29	0.00
890	891	14901.49	-0.06	-99.67	57.96	-13050.94	0.04
891	891	14901.32	-0.03	67.23	58.63	-13049.63	-0.08
891	892	14901.32	-0.03	67.23	58.63	-12972.26	0.00
892	892	14898.75	-0.03	229.61	58.63	-12969.01	0.00
892	893	14898.75	-0.03	229.61	58.63	-12704.83	0.04
893	893	14894.60	-0.02	393.90	55.01	-12700.28	-0.04
893	894	14894.60	-0.02	393.90	55.01	-12247.27	0.00

SANT BOI PRET(t-1): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
894	894	14888.87	-0.02	556.21	55.01	-12240.36	0.00
894	895	14888.87	-0.02	556.21	55.01	-11600.63	0.08
895	895	14881.54	0.01	719.62	47.13	-11594.35	-0.08
895	896	14881.54	0.01	719.62	47.13	-10766.80	0.04
896	896	14872.96	0.01	881.70	47.13	-10757.58	0.04
896	897	14872.96	0.01	881.70	47.13	-9743.68	-0.04
897	897	14862.60	0.01	1045.33	35.26	-9736.99	-0.13
897	898	14862.60	0.01	1045.33	35.26	-8534.94	-0.17
898	898	14850.82	0.01	1207.24	35.26	-8524.32	-0.17
898	899	14850.82	0.01	1207.24	35.26	-7136.01	-0.13
899	899	14837.68	-0.02	1370.31	19.17	-7131.09	-0.21
899	900	14837.68	-0.02	1370.31	19.17	-5555.04	-0.13
900	900	14822.95	-0.02	1531.24	19.17	-5545.19	-0.13
900	901	14822.95	-0.02	1531.24	19.17	-3784.32	-0.13
901	901	14806.80	-0.05	1694.07	-1.01	-3782.51	-0.13
901	902	14806.80	-0.05	1694.07	-1.01	-1834.37	-0.17
902	902	14789.14	-0.05	1854.81	-1.01	-1827.55	-0.17
902	903	14789.14	-0.05	1854.81	-1.01	305.46	0.00
903	903	14770.79	0.04	2016.70	-25.40	300.91	0.13
903	904	14770.79	0.04	2016.70	-25.40	2620.05	0.08
904	904	14708.44	0.04	2169.71	-25.40	2636.23	0.08
904	905	14708.44	0.04	2169.71	-25.40	5131.43	0.08
905	905	14626.09	-0.08	2322.48	-54.84	5124.86	0.17
905	906	14626.09	-0.08	2322.48	-54.84	7795.67	0.21
906	906	14541.75	-0.08	2468.48	-54.84	7785.10	0.21
906	907	14541.75	-0.08	2468.48	-54.84	10623.84	0.38
907	907	14535.10	-3.96	2157.63	-95.45	10578.60	1.60
907	908	14535.10	-3.96	2157.63	-95.45	13061.01	6.15
908	908	21650.58	-3.96	2103.86	-95.45	18000.45	6.15
908	909	21650.58	-3.96	2103.86	-95.45	20421.15	10.74
909	909	21486.03	2.67	1899.35	-138.03	20351.69	8.63
909	910	21486.03	2.67	1899.35	-138.03	22535.91	5.64
910	910	21504.17	2.67	685.51	-138.03	22568.47	5.64
910	911	21504.17	2.67	685.51	-138.03	23356.77	2.65
911	911	21682.02	3.59	-466.09	-149.32	23519.27	-2.57
911	912	21682.02	3.59	-466.09	-149.32	22983.24	-6.74
912	912	21847.10	3.59	-1576.56	-149.32	23123.84	-6.74
912	913	21847.10	3.59	-1576.56	-149.32	21310.83	-10.91

SANT BOI PRET(t=1): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
913	913	21993.87	-9.11	-1904.78	-120.13	21373.25	-31.30
913	914	21993.87	-9.11	-1904.78	-120.13	19181.65	-20.77
914	914	14599.48	-9.11	-2304.33	-120.13	14046.17	-20.77
914	915	14599.48	-9.11	-2304.33	-120.13	11394.87	-10.32
915	915	14617.15	-0.23	-2614.07	-77.54	11646.00	3.24
915	916	14617.15	-0.23	-2614.07	-77.54	8439.78	3.45
916	916	14697.31	-0.23	-2443.28	-77.54	8447.70	3.45
916	917	14697.31	-0.23	-2443.28	-77.54	5637.85	3.71
917	917	14727.75	1.44	-2269.14	-41.99	5649.39	5.98
917	918	14727.75	1.44	-2269.14	-41.99	3039.83	4.21
918	918	14752.35	1.44	-2086.86	-41.99	3033.13	4.21
918	919	14752.35	1.44	-2086.86	-41.99	633.25	2.65
919	919	14775.61	1.15	-1911.27	-12.34	635.61	3.12
919	920	14775.61	1.15	-1911.27	-12.34	-1562.39	1.81
920	920	14796.53	1.15	-1726.08	-12.34	-1574.69	1.81
920	921	14796.53	1.15	-1726.08	-12.34	-3559.69	0.55
921	921	14815.78	0.66	-1547.13	10.99	-3563.48	0.97
921	922	14815.78	0.66	-1547.13	10.99	-5342.63	0.21
922	922	14832.62	0.66	-1362.18	10.99	-5356.86	0.21
922	923	14832.62	0.66	-1362.18	10.99	-6923.34	-0.63
923	923	14847.89	0.39	-1180.19	28.73	-6929.75	0.13
923	924	14847.89	0.39	-1180.19	28.73	-8287.01	-0.34
924	924	14860.92	0.39	-993.87	28.73	-8300.57	-0.34
924	925	14860.92	0.39	-993.87	28.73	-9443.49	-0.88
925	925	14871.98	0.32	-810.18	41.15	-9449.80	0.00
925	926	14871.98	0.32	-810.18	41.15	-10381.44	-0.34
926	926	14880.66	0.32	-622.41	41.15	-10391.71	-0.34
926	927	14880.66	0.32	-622.41	41.15	-11107.43	-0.72
927	927	14887.65	0.33	-437.72	48.57	-11111.65	0.13
927	928	14887.65	0.33	-437.72	48.57	-11615.08	-0.34
928	928	14892.15	0.33	-250.16	48.57	-11620.76	-0.34
928	929	14892.15	0.33	-250.16	48.57	-11908.41	-0.63
929	929	14895.07	0.36	-63.18	51.26	-11909.50	0.17
929	930	14895.07	0.36	-63.18	51.26	-11982.12	-0.34
930	930	14894.45	0.36	119.91	51.26	-11981.32	-0.34
930	931	14894.45	0.36	119.91	51.26	-11843.50	-0.63
931	931	14891.43	0.39	298.60	49.16	-11838.74	0.17
931	932	14891.43	0.39	298.60	49.16	-11495.28	-0.34

SANT BOI PRET(t=I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
932	932	14886.00	0.39	476.37	49.16	-11488.54	-0.34
932	933	14886.00	0.39	476.37	49.16	-10940.80	-0.67
933	933	14879.31	0.41	655.23	42.58	-10933.77	0.08
933	934	14879.31	0.41	655.23	42.58	-10180.31	-0.38
934	934	14870.09	0.41	832.61	42.58	-10169.90	-0.38
934	935	14870.09	0.41	832.61	42.58	-9212.41	-0.80
935	935	14859.53	0.41	1012.28	31.30	-9204.20	-0.04
935	936	14859.53	0.41	1012.28	31.30	-8039.97	-0.51
936	936	14846.96	0.41	1188.14	31.30	-8027.88	-0.51
936	937	14846.96	0.41	1188.14	31.30	-6661.56	-0.93
937	937	14832.75	0.33	1367.37	15.58	-6654.19	-0.13
937	938	14832.75	0.33	1367.37	15.58	-5081.69	-0.46
938	938	14816.56	0.33	1542.69	15.58	-5069.81	-0.46
938	939	14816.56	0.33	1542.69	15.58	-3295.76	-0.80
939	939	14798.91	0.27	1720.93	-4.80	-3291.71	0.00
939	940	14798.91	0.27	1720.93	-4.80	-1312.62	-0.29
940	940	14778.96	0.27	1896.01	-4.80	-1303.64	-0.29
940	941	14778.96	0.27	1896.01	-4.80	876.71	-0.51
941	941	14758.51	0.35	2073.12	-29.70	873.76	0.59
941	942	14758.51	0.35	2073.12	-29.70	3257.89	0.13
942	942	14690.28	0.35	2239.04	-29.70	3279.75	0.13
942	943	14690.28	0.35	2239.04	-29.70	5854.69	-0.25
943	943	14602.26	0.40	2406.78	-60.23	5853.98	0.88
943	944	14602.26	0.40	2406.78	-60.23	8621.79	0.42
944	944	14512.25	0.40	2565.45	-60.23	8616.10	0.42
944	945	14512.25	0.40	2565.45	-60.23	11566.43	0.00
945	945	14503.04	-3.06	2269.93	-102.86	11523.38	2.61
945	946	14503.04	-3.06	2269.93	-102.86	14135.09	6.19
946	946	21658.18	-3.06	2485.65	-102.86	19095.22	6.19
946	947	21658.18	-3.06	2485.65	-102.86	21955.11	9.65
947	947	21684.28	5.53	2223.42	-148.27	22029.54	8.38
947	948	21684.28	5.53	2223.42	-148.27	24586.58	2.06
948	948	21849.73	5.53	827.90	-148.27	24748.87	2.06
948	949	21849.73	5.53	827.90	-148.27	25700.89	-4.34
949	949	22009.01	1.58	-628.09	-160.94	25849.66	-9.60
949	950	22009.01	1.58	-628.09	-160.94	25127.41	-11.41
950	950	22165.55	1.58	-1579.82	-160.94	25262.24	-11.41
950	951	22165.55	1.58	-1579.82	-160.94	23445.48	-13.31

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SANT BOI PRET(t=T): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
951	951	22326.31	-11.02	-1835.68	-129.65	23523.44	-36.48
951	952	22326.31	-11.02	-1835.68	-129.65	21411.28	-23.71
952	952	14978.17	-11.02	-2519.13	-129.65	16302.68	-23.71
952	953	14978.17	-11.02	-2519.13	-129.65	13404.17	-11.16
953	953	14983.56	-0.99	-2851.71	-83.91	13460.19	2.36
953	954	14983.56	-0.99	-2851.71	-83.91	10180.65	3.54
954	954	15074.40	-0.99	-2694.40	-83.91	10198.88	3.54
954	955	15074.40	-0.99	-2694.40	-83.91	7100.38	4.68
955	955	15101.90	0.93	-2533.48	-44.99	7113.10	5.52
955	956	15101.90	0.93	-2533.48	-44.99	4199.67	4.46
956	956	15126.53	0.93	-2362.48	-44.99	4195.63	4.46
956	957	15126.53	0.93	-2362.48	-44.99	1478.70	3.50
957	957	15149.15	0.59	-2199.89	-11.46	1484.47	2.53
957	958	15149.15	0.59	-2199.89	-11.46	-1045.57	1.77
958	958	15170.63	0.59	-2026.73	-11.46	-1055.93	1.77
958	959	15170.63	0.59	-2026.73	-11.46	-3386.61	1.14
959	959	15189.98	0.00	-1861.01	16.09	-3388.04	0.04
959	960	15189.98	0.00	-1861.01	16.09	-5528.17	0.04
960	960	15239.29	0.00	-1690.24	16.09	-5565.95	0.04
960	961	15239.29	0.00	-1690.24	16.09	-7509.67	0.00
961	961	15317.93	-0.32	-1527.96	38.41	-7569.52	-0.93
961	962	15317.93	-0.32	-1527.96	38.41	-9326.60	-0.55
962	962	15395.80	-0.32	-1356.73	38.41	-9402.17	-0.55
962	963	15395.80	-0.32	-1356.73	38.41	-10962.45	-0.25
963	963	15471.67	-0.41	-1188.31	55.77	-11035.79	-1.05
963	964	15471.67	-0.41	-1188.31	55.77	-12402.28	-0.55
964	964	15545.96	-0.41	-1014.65	55.77	-12486.22	-0.55
964	965	15545.96	-0.41	-1014.65	55.77	-13653.19	-0.08
965	965	15618.50	-0.40	-841.64	68.53	-13734.31	-0.80
965	966	15618.50	-0.40	-841.64	68.53	-14702.25	-0.34
966	966	15689.58	-0.40	-663.80	68.53	-14790.12	-0.34
966	967	15689.58	-0.40	-663.80	68.53	-15553.56	0.17
967	967	15758.78	-0.37	-485.76	76.87	-15637.93	-0.63
967	968	15758.78	-0.37	-485.76	76.87	-16196.49	-0.29
968	968	15826.16	-0.37	-305.31	76.87	-16283.52	-0.29
968	969	15826.16	-0.37	-305.31	76.87	-16634.68	0.21
969	969	15890.02	-0.33	-131.46	80.87	-16715.59	-0.59
969	970	15890.02	-0.33	-131.46	80.87	-16866.76	-0.25

SANT BOI PRET(t-I): 1.00*Pservicio

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
970	970	15951.27	-0.33	38.73	80.87	-16945.83	-0.25
970	971	15951.27	-0.33	38.73	80.87	-16901.26	0.17
971	971	16010.47	-0.27	209.23	80.79	-16976.32	-0.59
971	972	16010.47	-0.27	209.23	80.79	-16735.64	-0.34
972	972	16050.62	-0.27	380.60	80.79	-16782.35	-0.34
972	973	16050.62	-0.27	380.60	80.79	-16344.67	0.00
973	973	15979.15	-0.16	548.20	76.45	-16260.48	-0.76
973	974	15979.15	-0.16	548.20	76.45	-15630.18	-0.59
974	974	15906.37	-0.16	713.44	76.45	-15547.11	-0.59
974	975	15906.37	-0.16	713.44	76.45	-14726.60	-0.38
975	975	15831.13	0.05	878.05	68.62	-14648.84	-1.18
975	976	15831.13	0.05	878.05	68.62	-13639.03	-1.26
976	976	15754.34	0.05	1040.53	68.62	-13562.75	-1.26
976	977	15754.34	0.05	1040.53	68.62	-12366.05	-1.26
977	977	15675.08	0.31	1203.20	57.66	-12298.95	-2.15
977	978	15675.08	0.31	1203.20	57.66	-10915.40	-2.44
978	978	15594.61	0.31	1362.00	57.66	-10851.21	-2.44
978	979	15594.61	0.31	1362.00	57.66	-9284.86	-2.82
979	979	15512.07	0.11	1520.40	45.11	-9234.14	-4.80
979	980	15512.07	0.11	1520.40	45.11	-7485.70	-4.89
980	980	15427.89	0.11	1675.97	45.11	-7439.28	-4.89
980	981	15427.89	0.11	1675.97	45.11	-5511.87	-4.97
981	981	15392.16	-2.77	1340.26	32.43	-5481.84	-11.20
981	982	15392.16	-2.77	1340.26	32.43	-3939.75	-8.05
982	982	15310.20	-2.77	1492.54	32.43	-3914.26	-8.05
982	983	15310.20	-2.77	1492.54	32.43	-2196.86	-4.84
983	983	15166.32	-0.83	2135.69	16.30	-2189.41	-1.22
983	984	15166.32	-0.83	2135.69	16.30	266.58	-0.25
984	984	15090.33	-0.83	2247.26	16.30	265.62	-0.25
984	985	15090.33	-0.83	2247.26	16.30	2849.99	0.63

TITULO

SANT BOI PRET(t-1): 1.00*Pchuletas

FICHERO DE GEOMETRIA COMPLETA

GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS

1

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
6	869	1138	55	PRET.TXT

Fich	Hipotesis	Caracter	Coeficiente
6	1	1	0.0000
6	2	1	0.0000
6	3	1	0.0000
6	4	1	0.0000
6	5	1	0.0000
6	6	1	0.0000
6	7	1	0.0000
6	8	1	0.0000
6	9	1	0.0000
6	10	1	0.0000
6	11	1	0.0000
6	12	1	0.0000
6	13	1	0.0000
6	14	1	0.0000
6	15	1	0.0000
6	16	1	0.0000
6	17	1	0.0000
6	18	1	0.0000
6	19	1	0.0000
6	20	1	0.0000
6	21	1	0.0000
6	22	1	0.0000
6	23	1	0.0000
6	24	1	0.0000
6	25	1	0.0000
6	26	1	0.0000
6	27	1	0.0000
6	28	1	0.0000
6	29	1	0.0000
6	30	1	0.0000
6	31	1	0.0000
6	32	1	0.0000
6	33	1	0.0000
6	34	1	0.0000
6	35	1	0.0000
6	36	1	0.0000
6	37	1	0.0000
6	38	1	0.0000
6	39	1	0.0000
6	40	1	0.0000
6	41	1	0.0000
6	42	1	0.0000
6	43	1	0.0000
6	44	1	0.0000
6	45	1	0.0000
6	46	1	2.4680
6	47	1	3.9488
6	48	1	2.4680
6	49	1	3.9488
6	50	1	0.0000
6	51	1	0.0000
6	52	1	0.0000
6	53	1	0.0000
6	54	1	0.0000
6	55	1	0.0000

0

COMBINACION DE ESFUERZOS

SANT BOI PRET(t-1): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
1	1	0.00	0.00	-0.03	0.00	0.00	0.00
1	2	0.00	0.00	-0.03	0.00	-0.01	0.00
2	2	0.00	0.00	-0.03	0.00	-0.01	0.00
2	3	0.00	0.00	-0.03	0.00	-0.06	0.00
3	3	0.00	0.00	-0.03	0.00	-0.06	0.00
3	4	0.00	0.00	-0.03	0.00	-0.09	0.00
4	4	0.00	0.00	-0.03	0.00	-0.09	0.00
4	5	0.00	0.00	-0.03	0.00	-0.14	0.00
5	5	0.00	0.00	-0.03	0.00	-0.14	0.00
5	6	0.00	0.00	-0.03	0.00	-0.18	0.00
6	6	0.00	0.00	-0.03	0.00	-0.18	0.00
6	7	0.00	0.00	-0.03	0.00	-0.19	0.00
7	7	0.00	0.00	-0.03	0.00	-0.19	0.00
7	8	0.00	0.00	-0.03	0.00	-0.24	0.00
8	8	0.00	0.00	-0.03	0.00	-0.24	0.00
8	9	0.00	0.00	-0.03	0.00	-0.25	0.00
9	9	0.00	0.00	-0.03	0.00	-0.25	0.00
9	10	0.00	0.00	-0.03	0.00	-0.32	0.00
10	10	0.00	0.00	-0.03	0.00	-0.32	0.00
10	11	0.00	0.00	-0.03	0.00	-0.33	0.00
11	11	0.00	0.00	-0.03	0.00	-0.33	0.00
11	12	0.00	0.00	-0.03	0.00	-0.34	0.00
12	12	0.00	0.00	-0.03	0.00	-0.34	0.00
12	13	0.00	0.00	-0.03	0.00	-0.35	0.00
13	13	0.00	0.00	-0.03	0.00	-0.35	0.00
13	14	0.00	0.00	-0.03	0.00	-0.36	0.00
14	14	0.00	0.00	-0.03	0.00	-0.36	0.00
14	15	0.00	0.00	-0.03	0.00	-0.41	0.00
15	15	0.00	0.00	-0.03	0.00	-0.41	0.00
15	16	0.00	0.00	-0.03	0.00	-0.44	0.00
16	16	0.00	0.00	-0.03	0.00	-0.44	0.00
16	17	0.00	0.00	-0.03	0.00	-0.49	0.00
17	17	0.00	0.00	-0.03	0.00	-0.49	0.00
17	18	0.00	0.00	-0.03	0.00	-0.53	0.00
18	18	0.00	0.00	-0.03	0.00	-0.53	0.00
18	19	0.00	0.00	-0.03	0.00	-0.58	0.00

5567

SANT BOI PRET(t=I): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
19	19	0.00	0.00	-0.03	0.00	-0.58	0.00
19	20	0.00	0.00	-0.03	0.00	-0.59	0.00
20	20	0.00	0.00	-0.03	0.00	-0.59	0.00
20	21	0.00	0.00	-0.03	0.00	-0.60	0.00
21	21	0.00	0.00	-0.03	0.00	-0.60	0.00
21	22	0.00	0.00	-0.03	0.00	-0.65	0.00
22	22	0.00	0.00	-0.03	0.00	-0.65	0.00
22	23	0.00	0.00	-0.03	0.00	-0.68	0.00
23	23	0.00	0.00	-0.03	0.00	-0.68	0.00
23	24	0.00	0.00	-0.03	0.00	-0.73	0.00
24	24	0.00	0.00	-0.03	0.00	-0.73	0.00
24	25	0.00	0.00	-0.03	0.00	-0.74	-0.02
25	25	0.00	0.00	-0.03	0.00	-0.74	0.00
25	26	0.00	0.00	-0.03	0.00	-0.81	0.00
26	26	0.00	0.00	-0.03	0.00	-0.81	0.00
26	27	0.00	0.00	-0.03	0.00	-0.82	0.00
27	27	-0.02	0.00	-0.03	-0.02	-0.82	0.02
27	28	-0.02	0.00	-0.03	-0.02	-0.86	0.02
28	28	2197.82	0.00	-70.36	-0.02	72.59	0.02
28	29	2197.82	0.00	-70.36	-0.02	-8.41	0.02
29	29	2203.18	0.01	-0.02	0.00	-8.41	0.02
29	30	2203.18	0.01	-0.02	0.00	-8.42	0.02
30	30	2207.43	0.01	-0.02	0.00	-8.42	0.02
30	31	2207.43	0.01	-0.02	0.00	-8.47	0.02
31	31	2211.67	0.00	-0.02	0.00	-8.49	0.02
31	32	2211.67	0.00	-0.02	0.00	-8.50	0.00
32	32	2215.91	0.00	-0.02	0.00	-8.50	0.00
32	33	2215.91	0.00	-0.02	0.00	-8.53	0.00
33	33	2219.01	0.00	70.99	-0.02	-8.58	-0.02
33	34	2219.01	0.00	70.99	-0.02	73.13	-0.02
34	34	-0.01	0.00	-0.02	-0.02	-1.03	-0.02
34	35	-0.01	0.00	-0.02	-0.02	-1.06	0.00
35	35	0.01	-0.01	-0.01	0.00	-1.06	-0.02
35	36	0.01	-0.01	-0.01	0.00	-1.03	-0.02
36	36	0.01	-0.01	-0.01	0.00	-1.03	-0.02
36	37	0.01	-0.01	-0.01	0.00	-1.10	0.00
37	37	0.00	0.00	-0.01	0.00	-1.10	0.00
37	38	0.00	0.00	-0.01	0.00	-1.08	0.00

SANT BOI PRET(t-I): 1.00*Pchuletas

BAR.	NUDO	Fx [kN]	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
38	38	0.00	0.00	-0.01	0.00	-1.08	0.00
38	39	0.00	0.00	-0.01	0.00	-1.11	0.00
39	39	0.00	0.00	-0.01	0.00	-1.11	0.00
39	40	0.00	0.00	-0.01	0.00	-1.11	0.00
40	40	0.00	0.00	-0.01	0.00	-1.11	0.00
40	41	0.00	0.00	-0.01	0.00	-1.12	0.00
41	41	0.00	0.00	-0.01	0.00	-1.12	0.00
41	42	0.00	0.00	-0.01	0.00	-1.15	0.00
42	42	0.00	0.00	-0.01	0.00	-1.15	0.00
42	43	0.00	0.00	-0.01	0.00	-1.15	0.00
43	43	0.00	0.00	-0.01	0.00	-1.15	0.00
43	44	0.00	0.00	-0.01	0.00	-1.22	0.00
44	44	0.00	0.00	-0.01	0.00	-1.22	0.00
44	45	0.00	0.00	-0.01	0.00	-1.22	0.00
45	45	0.00	0.00	-0.01	0.00	-1.22	0.00
45	46	0.00	0.00	-0.01	0.00	-1.25	0.00
46	46	0.00	0.00	-0.01	0.00	-1.25	0.00
46	47	0.00	0.00	-0.01	0.00	-1.26	0.00
47	47	0.00	0.00	-0.01	0.00	-1.22	0.00
47	48	0.00	0.00	-0.01	0.00	-1.25	0.00
48	48	0.00	0.00	-0.01	0.00	-1.25	0.00
48	49	0.00	0.00	-0.01	0.00	-1.25	0.00
49	49	0.00	0.00	-0.01	0.00	-1.25	0.00
49	50	0.00	0.00	-0.01	0.00	-1.28	0.00
50	50	0.00	0.00	-0.01	0.00	-1.28	0.00
50	51	0.00	0.00	-0.01	0.00	-1.33	0.00
51	51	0.00	0.00	-0.01	0.00	-1.33	0.00
51	52	0.00	0.00	-0.01	0.00	-1.33	0.00
52	52	0.00	0.00	-0.01	0.00	-1.33	0.00
52	53	0.00	0.00	-0.01	0.00	-1.36	0.00
53	53	0.00	0.00	-0.01	0.00	-1.36	0.00
53	54	0.00	0.00	-0.01	0.00	-1.37	0.00
54	54	0.00	0.00	-0.01	0.00	-1.37	0.00
54	55	0.00	0.00	-0.01	0.00	-1.40	0.00
55	55	0.00	0.00	-0.01	0.00	-1.40	0.00
55	56	0.00	0.00	-0.01	0.00	-1.36	0.00
56	56	0.00	0.00	-0.01	0.00	-1.36	0.00
56	57	0.00	0.00	-0.01	0.00	-1.39	0.00

SANT BOI PRET(t-I): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
57	57	0.00	0.00	-0.01	0.00	-1.39	0.00
57	58	0.00	0.00	-0.01	0.00	-1.44	0.00
58	58	0.00	0.00	-0.01	0.00	-1.44	0.00
58	59	0.00	0.00	-0.01	0.00	-1.47	0.00
59	59	0.00	0.00	-0.01	0.00	-1.47	0.00
59	60	0.00	0.00	-0.01	0.00	-1.47	0.00
60	60	0.00	0.00	-0.01	0.00	-1.47	0.00
60	61	0.00	0.00	-0.01	0.00	-1.50	0.00
61	61	0.00	0.00	-0.02	0.00	-1.50	0.00
61	62	0.00	0.00	-0.02	0.00	-1.51	0.00
62	62	0.00	0.00	-0.02	0.00	-1.51	0.00
62	63	0.00	0.00	-0.02	0.00	-1.54	0.00
63	63	0.00	0.00	-0.02	0.00	-1.54	0.00
63	64	0.00	0.00	-0.02	0.00	-1.54	0.00
64	64	0.00	0.00	-0.02	0.00	-1.54	0.00
64	65	0.00	0.00	-0.02	0.00	-1.61	-0.04
65	65	0.00	0.00	-0.02	0.00	-1.61	0.00
65	66	0.00	0.00	-0.02	0.00	-1.61	0.00
66	66	0.00	0.00	-0.02	0.00	-1.61	0.00
66	67	0.00	0.00	-0.02	0.00	-1.64	0.00
67	67	-0.04	0.00	-0.03	-0.04	-1.64	0.04
67	68	-0.04	0.00	-0.03	-0.04	-1.65	0.04
68	68	3516.51	0.00	-112.56	-0.04	115.87	0.04
68	69	3516.51	0.00	-112.56	-0.04	-13.64	0.04
69	69	3525.09	0.01	-0.01	0.00	-13.64	0.04
69	70	3525.09	0.01	-0.01	0.00	-13.65	0.04
70	70	3531.89	0.01	-0.01	0.00	-13.65	0.04
70	71	3531.89	0.01	-0.01	0.00	-13.68	0.04
71	71	3538.68	0.01	0.02	0.00	-13.72	0.04
71	72	3538.68	0.01	0.02	0.00	-13.66	0.00
72	72	3545.45	0.01	0.02	0.00	-13.70	0.00
72	73	3545.45	0.01	0.02	0.00	-13.66	0.00
73	73	3550.42	-0.01	113.63	-0.04	-13.70	-0.04
73	74	3550.42	-0.01	113.63	-0.04	117.04	-0.04
74	74	-0.02	-0.01	0.02	-0.04	-1.58	-0.04
74	75	-0.02	-0.01	0.02	-0.04	-1.58	0.00
75	75	0.01	-0.02	0.03	0.00	-1.54	-0.04
75	76	0.01	-0.02	0.03	0.00	-1.54	-0.04

SANT BOI PRET(t-I): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
76	76	0.01	-0.02	0.03	0.00	-1.54	-0.04
76	77	0.01	-0.02	0.03	0.00	-1.47	0.00
77	77	0.00	-0.01	0.03	0.00	-1.47	0.00
77	78	0.00	-0.01	0.03	0.00	-1.46	0.00
78	78	0.00	-0.01	0.03	0.00	-1.46	0.00
78	79	0.00	-0.01	0.03	0.00	-1.39	0.00
79	79	0.00	0.00	0.03	0.00	-1.39	0.00
79	80	0.00	0.00	0.03	0.00	-1.39	0.00
80	80	0.00	0.00	0.03	0.00	-1.39	0.00
80	81	0.00	0.00	0.03	0.00	-1.36	0.00
81	81	0.00	0.00	0.03	0.00	-1.36	0.00
81	82	0.00	0.00	0.03	0.00	-1.35	0.00
82	82	0.00	0.00	0.03	0.00	-1.35	0.00
82	83	0.00	0.00	0.03	0.00	-1.28	0.00
83	83	0.00	0.00	0.03	0.00	-1.28	0.00
83	84	0.00	0.00	0.03	0.00	-1.28	0.00
84	84	0.00	0.00	0.03	0.00	-1.28	0.00
84	85	0.00	0.00	0.03	0.00	-1.23	0.00
85	85	0.00	0.00	0.03	0.00	-1.23	0.00
85	86	0.00	0.00	0.03	0.00	-1.18	0.00
86	86	0.00	0.00	0.03	0.00	-1.18	0.00
86	87	0.00	0.00	0.03	0.00	-1.14	0.00
87	87	0.00	0.00	0.03	0.00	-1.14	0.00
87	88	0.00	0.00	0.03	0.00	-1.11	0.00
88	88	0.00	0.00	0.03	0.00	-1.11	0.00
88	89	0.00	0.00	0.03	0.00	-1.06	0.00
89	89	0.00	0.00	0.03	0.00	-1.06	0.00
89	90	0.00	0.00	0.03	0.00	-1.03	0.00
90	90	0.00	0.00	0.03	0.00	-1.03	0.00
90	91	0.00	0.00	0.03	0.00	-0.99	0.00
91	91	0.00	0.00	0.03	0.00	-0.99	0.00
91	92	0.00	0.00	0.03	0.00	-0.96	0.00
92	92	0.00	0.00	0.03	0.00	-0.96	0.00
92	93	0.00	0.00	0.03	0.00	-0.91	0.00
93	93	0.00	0.00	0.03	0.00	-0.91	0.00
93	94	0.00	0.00	0.03	0.00	-0.95	0.00
94	94	0.00	0.00	0.03	0.00	-0.95	0.00
94	95	0.00	0.00	0.03	0.00	-0.85	0.00

SANT BOI PRET(t=I): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
95	95	0.00	0.00	0.03	0.00	-0.85	0.00
95	96	0.00	0.00	0.03	0.00	-0.85	0.00
96	96	0.00	0.00	0.03	0.00	-0.85	0.00
96	97	0.00	0.00	0.03	0.00	-0.78	0.00
97	97	0.00	0.00	0.03	0.00	-0.78	0.00
97	98	0.00	0.00	0.03	0.00	-0.77	0.00
98	98	0.00	0.00	0.03	0.00	-0.77	0.00
98	99	0.00	0.00	0.03	0.00	-0.71	0.00
99	99	0.00	0.00	0.03	0.00	-0.71	0.00
99	100	0.00	0.00	0.03	0.00	-0.70	0.00
100	100	0.00	0.00	0.03	0.00	-0.70	0.00
100	101	0.00	0.00	0.03	0.00	-0.63	0.00
101	101	0.00	0.00	0.02	0.00	-0.63	0.00
101	102	0.00	0.00	0.02	0.00	-0.63	0.00
102	102	0.00	0.00	0.02	0.00	-0.63	0.00
102	103	0.00	0.00	0.02	0.00	-0.56	0.00
103	103	0.00	0.00	0.02	0.00	-0.56	0.00
103	104	0.00	0.00	0.02	0.00	-0.59	0.00
104	104	0.00	0.00	0.02	0.00	-0.59	0.00
104	105	0.00	0.00	0.02	0.00	-0.55	-0.02
105	105	0.00	0.00	0.02	0.00	-0.55	0.00
105	106	0.00	0.00	0.02	0.00	-0.52	0.00
106	106	0.00	0.00	0.02	0.00	-0.52	0.00
106	107	0.00	0.00	0.02	0.00	-0.47	0.00
107	107	-0.02	0.00	0.02	-0.02	-0.47	0.02
107	108	-0.02	0.00	0.02	-0.02	-0.44	0.02
108	108	2197.82	0.00	-70.31	-0.02	73.00	0.02
108	109	2197.82	0.00	-70.31	-0.02	-7.88	0.02
109	109	2203.18	0.01	0.03	0.00	-7.88	0.02
109	110	2203.18	0.01	0.03	0.00	-7.85	0.02
110	110	2207.43	0.01	0.03	0.00	-7.85	0.02
110	111	2207.43	0.01	0.03	0.00	-7.80	0.02
111	111	2211.67	0.00	-0.04	0.00	-7.83	0.02
111	112	2211.67	0.00	-0.04	0.00	-7.90	0.00
112	112	2215.91	0.00	-0.04	0.00	-7.92	0.00
112	113	2215.91	0.00	-0.04	0.00	-7.97	0.00
113	113	2219.01	0.00	70.96	-0.02	-7.99	-0.02
113	114	2219.01	0.00	70.96	-0.02	73.69	-0.02

SANT BOI PRET(t-I): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
114	114	-0.01	0.00	-0.05	-0.02	-0.47	-0.02
114	115	-0.01	0.00	-0.05	-0.02	-0.54	0.00
115	115	0.00	-0.01	-0.04	0.00	-0.54	-0.02
115	116	0.00	-0.01	-0.04	0.00	-0.57	-0.02
116	116	0.00	-0.01	-0.04	0.00	-0.57	-0.02
116	117	0.00	-0.01	-0.04	0.00	-0.64	0.00
117	117	0.00	0.00	-0.04	0.00	-0.64	0.00
117	118	0.00	0.00	-0.04	0.00	-0.67	0.00
118	118	0.00	0.00	-0.04	0.00	-0.67	0.00
118	119	0.00	0.00	-0.04	0.00	-0.71	0.00
119	119	0.00	0.00	-0.04	0.00	-0.71	0.00
119	120	0.00	0.00	-0.04	0.00	-0.76	0.00
120	120	0.00	0.00	-0.04	0.00	-0.76	0.00
120	121	0.00	0.00	-0.04	0.00	-0.78	0.00
121	121	0.00	0.00	-0.04	0.00	-0.78	0.00
121	122	0.00	0.00	-0.04	0.00	-0.85	0.00
122	122	0.00	0.00	-0.04	0.00	-0.85	0.00
122	123	0.00	0.00	-0.04	0.00	-0.88	0.00
123	123	0.00	0.00	-0.04	0.00	-0.88	0.00
123	124	0.00	0.00	-0.04	0.00	-0.95	0.00
124	124	0.00	0.00	-0.04	0.00	-0.95	0.00
124	125	0.00	0.00	-0.04	0.00	-0.98	0.00
125	125	0.00	0.00	-0.04	0.00	-0.98	0.00
125	126	0.00	0.00	-0.04	0.00	-1.03	0.00
126	126	0.00	0.00	-0.04	0.00	-1.03	0.00
126	127	0.00	0.00	-0.04	0.00	-1.06	0.00
127	127	0.00	0.00	-0.04	0.00	-1.06	0.00
127	128	0.00	0.00	-0.04	0.00	-1.13	0.00
128	128	0.00	0.00	-0.04	0.00	-1.13	0.00
128	129	0.00	0.00	-0.04	0.00	-1.16	0.00
129	129	0.00	0.00	-0.04	0.00	-1.16	0.00
129	130	0.00	0.00	-0.04	0.00	-1.22	0.00
130	130	0.00	0.00	-0.04	0.00	-1.22	0.00
130	131	0.00	0.00	-0.04	0.00	-1.29	0.00
131	131	0.00	0.00	-0.04	0.00	-1.29	0.00
131	132	0.00	0.00	-0.04	0.00	-1.26	0.00
132	132	0.00	0.00	-0.04	0.00	-1.26	0.00
132	133	0.00	0.00	-0.04	0.00	-1.33	0.00

SANT BOI PRET(t=1): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
133	133	0.00	0.00	-0.04	0.00	-1.33	0.00
133	134	0.00	0.00	-0.04	0.00	-1.36	0.00
134	134	0.00	0.00	-0.04	0.00	-1.36	0.00
134	135	0.00	0.00	-0.04	0.00	-1.43	0.00
135	135	0.00	0.00	-0.04	0.00	-1.43	0.00
135	136	0.00	0.00	-0.04	0.00	-1.46	0.00
136	136	0.00	0.00	-0.04	0.00	-1.46	0.00
136	137	0.00	0.00	-0.04	0.00	-1.53	0.00
137	137	0.00	0.00	-0.04	0.00	-1.53	0.00
137	138	0.00	0.00	-0.04	0.00	-1.55	0.00
138	138	0.00	0.00	-0.04	0.00	-1.55	0.00
138	139	0.00	0.00	-0.04	0.00	-1.60	0.00
139	139	0.00	0.00	-0.04	0.00	-1.60	0.00
139	140	0.00	0.00	-0.04	0.00	-1.63	0.00
140	140	0.00	0.00	-0.04	0.00	-1.63	0.00
140	141	0.00	0.00	-0.04	0.00	-1.70	0.00
141	141	0.00	0.00	-0.05	0.00	-1.70	0.00
141	142	0.00	0.00	-0.05	0.00	-1.77	0.00
142	142	0.00	0.00	-0.05	0.00	-1.77	0.00
142	143	0.00	0.00	-0.05	0.00	-1.80	-0.04
143	143	0.00	0.00	-0.05	0.00	-1.80	0.00
143	144	0.00	0.00	-0.05	0.00	-1.84	0.00
144	144	0.00	0.00	-0.05	0.00	-1.84	0.00
144	145	0.00	0.00	-0.05	0.00	-1.87	0.00
145	145	-0.04	0.00	-0.05	-0.04	-1.91	0.04
145	146	-0.04	0.00	-0.05	-0.04	-1.98	0.04
146	146	3516.51	0.00	-112.58	-0.04	115.54	0.04
146	147	3516.51	0.00	-112.58	-0.04	-13.97	0.04
147	147	3525.09	0.01	-0.03	0.00	-13.97	0.04
147	148	3525.09	0.01	-0.03	0.00	-14.00	0.04
148	148	3531.89	0.01	-0.03	0.00	-14.04	0.04
148	149	3531.89	0.01	-0.03	0.00	-14.07	0.04
149	149	3538.68	0.01	0.05	0.00	-14.11	0.04
149	150	3538.68	0.01	0.05	0.00	-14.06	0.00
150	150	3545.45	0.01	0.05	0.00	-14.10	0.00
150	151	3545.45	0.01	0.05	0.00	-14.02	0.00
151	151	3550.42	-0.01	113.66	-0.04	-14.06	-0.04
151	152	3550.42	-0.01	113.66	-0.04	116.70	-0.04

SANT BOI PRET(t=1): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
152	152	-0.02	-0.01	0.04	-0.04	-1.96	-0.04
152	153	-0.02	-0.01	0.04	-0.04	-1.92	0.00
153	153	0.01	-0.02	0.05	0.00	-1.88	-0.04
153	154	0.01	-0.02	0.05	0.00	-1.83	-0.04
154	154	0.01	-0.02	0.05	0.00	-1.83	-0.04
154	155	0.01	-0.02	0.05	0.00	-1.79	0.00
155	155	0.00	-0.01	0.05	0.00	-1.79	0.00
155	156	0.00	-0.01	0.05	0.00	-1.67	0.00
156	156	0.00	-0.01	0.05	0.00	-1.67	0.00
156	157	0.00	-0.01	0.05	0.00	-1.61	0.00
157	157	0.00	0.00	0.05	0.00	-1.61	0.00
157	158	0.00	0.00	0.05	0.00	-1.57	0.00
158	158	0.00	0.00	0.05	0.00	-1.57	0.00
158	159	0.00	0.00	0.05	0.00	-1.52	0.00
159	159	0.00	0.00	0.05	0.00	-1.52	0.00
159	160	0.00	0.00	0.05	0.00	-1.44	0.00
160	160	0.00	0.00	0.05	0.00	-1.44	0.00
160	161	0.00	0.00	0.05	0.00	-1.43	0.00
161	161	0.00	0.00	0.05	0.00	-1.43	0.00
161	162	0.00	0.00	0.05	0.00	-1.35	0.00
162	162	0.00	0.00	0.05	0.00	-1.35	0.00
162	163	0.00	0.00	0.05	0.00	-1.27	0.00
163	163	0.00	0.00	0.05	0.00	-1.27	0.00
163	164	0.00	0.00	0.05	0.00	-1.21	0.00
164	164	0.00	0.00	0.05	0.00	-1.21	0.00
164	165	0.00	0.00	0.05	0.00	-1.14	0.00
165	165	0.00	0.00	0.05	0.00	-1.14	0.00
165	166	0.00	0.00	0.05	0.00	-1.08	0.00
166	166	0.00	0.00	0.05	0.00	-1.08	0.00
166	167	0.00	0.00	0.05	0.00	-1.04	0.00
167	167	0.00	0.00	0.05	0.00	-1.04	0.00
167	168	0.00	0.00	0.05	0.00	-0.99	0.00
168	168	0.00	0.00	0.05	0.00	-0.99	0.00
168	169	0.00	0.00	0.05	0.00	-0.91	0.00
169	169	0.00	0.00	0.05	0.00	-0.91	0.00
169	170	0.00	0.00	0.05	0.00	-0.89	0.00
170	170	0.00	0.00	0.05	0.00	-0.89	0.00
170	171	0.00	0.00	0.05	0.00	-0.81	0.00

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SANT BOI PRET(t=I): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
171	171	0.00	0.00	0.05	0.00	-0.81	0.00
171	172	0.00	0.00	0.05	0.00	-0.76	0.00
172	172	0.00	0.00	0.05	0.00	-0.76	0.00
172	173	0.00	0.00	0.05	0.00	-0.71	0.00
173	173	0.00	0.00	0.05	0.00	-0.71	0.00
173	174	0.00	0.00	0.05	0.00	-0.63	0.00
174	174	0.00	0.00	0.05	0.00	-0.63	0.00
174	175	0.00	0.00	0.05	0.00	-0.57	0.00
175	175	0.00	0.00	0.05	0.00	-0.57	0.00
175	176	0.00	0.00	0.05	0.00	-0.53	0.00
176	176	0.00	0.00	0.05	0.00	-0.53	0.00
176	177	0.00	0.00	0.05	0.00	-0.48	0.00
177	177	0.00	0.00	0.05	0.00	-0.48	0.00
177	178	0.00	0.00	0.05	0.00	-0.40	0.00
178	178	0.00	0.00	0.05	0.00	-0.40	0.00
178	179	0.00	0.00	0.05	0.00	-0.36	0.00
179	179	0.00	0.00	0.05	0.00	-0.36	0.00
179	180	0.00	0.00	0.05	0.00	-0.31	0.00
180	180	0.00	0.00	0.05	0.00	-0.31	0.00
180	181	0.00	0.00	0.05	0.00	-0.27	0.00
181	181	0.00	0.00	0.05	0.00	-0.27	0.00
181	182	0.00	0.00	0.05	0.00	-0.17	0.00
182	182	0.00	0.00	0.05	0.00	-0.17	0.00
182	183	0.00	0.00	0.05	0.00	-0.09	0.00
183	183	0.00	0.00	0.05	0.00	-0.09	0.00
183	184	0.00	0.00	0.05	0.00	-0.08	0.00
184	184	0.00	0.00	0.05	0.00	-0.08	0.00
184	185	0.00	0.00	0.05	0.00	0.00	0.00

SANT BOI PRET(t-I): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
801	801	0.00	0.00	-0.03	0.00	0.00	0.00
801	802	0.00	0.00	-0.03	0.00	-0.01	0.00
802	802	0.00	0.00	-0.03	0.00	-0.01	0.00
802	803	0.00	0.00	-0.03	0.00	-0.06	0.00
803	803	0.00	0.00	-0.03	0.00	-0.06	0.00
803	804	0.00	0.00	-0.03	0.00	-0.09	0.00
804	804	0.00	0.00	-0.03	0.00	-0.09	0.00
804	805	0.00	0.00	-0.03	0.00	-0.14	0.00
805	805	0.00	0.00	-0.03	0.00	-0.14	0.00
805	806	0.00	0.00	-0.03	0.00	-0.18	0.00
806	806	0.00	0.00	-0.03	0.00	-0.18	0.00
806	807	0.00	0.00	-0.03	0.00	-0.23	0.00
807	807	0.00	0.00	-0.03	0.00	-0.23	0.00
807	808	0.00	0.00	-0.03	0.00	-0.24	0.00
808	808	0.00	0.00	-0.03	0.00	-0.24	0.00
808	809	0.00	0.00	-0.03	0.00	-0.25	0.00
809	809	0.00	0.00	-0.03	0.00	-0.25	0.00
809	810	0.00	0.00	-0.03	0.00	-0.30	0.00
810	810	0.00	0.00	-0.03	0.00	-0.30	0.00
810	811	0.00	0.00	-0.03	0.00	-0.33	0.00
811	811	0.00	0.00	-0.03	0.00	-0.33	0.00
811	812	0.00	0.00	-0.03	0.00	-0.38	0.00
812	812	0.00	0.00	-0.03	0.00	-0.38	0.00
812	813	0.00	0.00	-0.03	0.00	-0.35	0.00
813	813	0.00	0.00	-0.03	0.00	-0.35	0.00
813	814	0.00	0.00	-0.03	0.00	-0.40	0.00
814	814	0.00	0.00	-0.03	0.00	-0.40	0.00
814	815	0.00	0.00	-0.03	0.00	-0.43	0.00
815	815	0.00	0.00	-0.03	0.00	-0.43	0.00
815	816	0.00	0.00	-0.03	0.00	-0.44	0.00
816	816	0.00	0.00	-0.03	0.00	-0.44	0.00
816	817	0.00	0.00	-0.03	0.00	-0.52	0.00
817	817	0.00	0.00	-0.03	0.00	-0.52	0.00
817	818	0.00	0.00	-0.03	0.00	-0.53	0.00

SANT BOI PRET(t=I): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
818	818	0.00	0.00	-0.03	0.00	-0.53	0.00
818	819	0.00	0.00	-0.03	0.00	-0.58	0.00
819	819	0.00	0.00	-0.03	0.00	-0.58	0.00
819	820	0.00	0.00	-0.03	0.00	-0.59	0.00
820	820	0.00	0.00	-0.03	0.00	-0.59	0.00
820	821	0.00	0.00	-0.03	0.00	-0.64	0.00
821	821	0.00	0.00	-0.03	0.00	-0.64	0.00
821	822	0.00	0.00	-0.03	0.00	-0.65	0.00
822	822	0.00	0.00	-0.03	0.00	-0.65	0.00
822	823	0.00	0.00	-0.03	0.00	-0.68	0.00
823	823	0.00	0.00	-0.03	0.00	-0.68	0.00
823	824	0.00	0.00	-0.03	0.00	-0.76	0.00
824	824	0.00	0.00	-0.03	0.00	-0.76	0.00
824	825	0.00	0.00	-0.03	0.00	-0.77	0.00
825	825	0.00	-0.01	-0.03	0.00	-0.77	0.00
825	826	0.00	-0.01	-0.03	0.00	-0.81	0.02
826	826	0.00	-0.01	-0.03	0.00	-0.81	0.02
826	827	0.00	-0.01	-0.03	0.00	-0.82	0.02
827	827	-0.01	0.00	-0.02	-0.02	-0.85	0.00
827	828	-0.01	0.00	-0.02	-0.02	-0.90	0.02
828	828	2197.83	0.00	-70.35	-0.02	72.55	0.02
828	829	2197.83	0.00	-70.35	-0.02	-8.36	0.02
829	829	2203.19	0.00	-0.03	0.00	-8.36	0.00
829	830	2203.19	0.00	-0.03	0.00	-8.42	0.00
830	830	2207.43	0.00	-0.03	0.00	-8.42	0.00
830	831	2207.43	0.00	-0.03	0.00	-8.47	0.00
831	831	2211.67	0.01	-0.02	0.00	-8.47	-0.02
831	832	2211.67	0.01	-0.02	0.00	-8.50	-0.02
832	832	2215.90	0.01	-0.02	0.00	-8.50	-0.02
832	833	2215.90	0.01	-0.02	0.00	-8.53	-0.02
833	833	2219.00	0.00	71.00	-0.02	-8.58	-0.02
833	834	2219.00	0.00	71.00	-0.02	73.17	-0.02
834	834	-0.02	0.00	-0.01	-0.02	-0.99	-0.02
834	835	-0.02	0.00	-0.01	-0.02	-1.02	-0.02
835	835	-0.01	0.00	-0.01	0.00	-1.00	0.00
835	836	-0.01	0.00	-0.01	0.00	-1.00	0.00
836	836	-0.01	0.00	-0.01	0.00	-1.00	0.00
836	837	-0.01	0.00	-0.01	0.00	-1.07	0.00

SANT BOI PRET(t=I): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
837	837	0.00	0.00	-0.01	0.00	-1.07	0.02
837	838	0.00	0.00	-0.01	0.00	-1.08	0.00
838	838	0.00	0.00	-0.01	0.00	-1.08	0.00
838	839	0.00	0.00	-0.01	0.00	-1.11	0.00
839	839	0.00	0.00	-0.02	0.00	-1.11	0.00
839	840	0.00	0.00	-0.02	0.00	-1.11	0.00
840	840	0.00	0.00	-0.02	0.00	-1.11	0.00
840	841	0.00	0.00	-0.02	0.00	-1.12	0.00
841	841	0.00	0.00	-0.02	0.00	-1.12	0.00
841	842	0.00	0.00	-0.02	0.00	-1.15	0.00
842	842	0.00	0.00	-0.02	0.00	-1.15	0.00
842	843	0.00	0.00	-0.02	0.00	-1.15	0.00
843	843	0.00	0.00	-0.02	0.00	-1.15	0.00
843	844	0.00	0.00	-0.02	0.00	-1.22	0.00
844	844	0.00	0.00	-0.02	0.00	-1.22	0.00
844	845	0.00	0.00	-0.02	0.00	-1.18	0.00
845	845	0.00	0.00	-0.02	0.00	-1.18	0.00
845	846	0.00	0.00	-0.02	0.00	-1.21	0.00
846	846	0.00	0.00	-0.02	0.00	-1.21	0.00
846	847	0.00	0.00	-0.02	0.00	-1.22	0.00
847	847	0.00	0.00	-0.02	0.00	-1.22	0.00
847	848	0.00	0.00	-0.02	0.00	-1.25	0.00
848	848	0.00	0.00	-0.02	0.00	-1.25	0.00
848	849	0.00	0.00	-0.02	0.00	-1.25	0.00
849	849	0.00	0.00	-0.02	0.00	-1.25	0.00
849	850	0.00	0.00	-0.02	0.00	-1.28	0.00
850	850	0.00	0.00	-0.02	0.00	-1.28	0.00
850	851	0.00	0.00	-0.02	0.00	-1.33	0.00
851	851	0.00	0.00	-0.02	0.00	-1.33	0.00
851	852	0.00	0.00	-0.02	0.00	-1.36	0.00
852	852	0.00	0.00	-0.02	0.00	-1.36	0.00
852	853	0.00	0.00	-0.02	0.00	-1.36	0.00
853	853	0.00	0.00	-0.02	0.00	-1.36	0.00
853	854	0.00	0.00	-0.02	0.00	-1.39	0.00
854	854	0.00	0.00	-0.02	0.00	-1.39	0.00
854	855	0.00	0.00	-0.02	0.00	-1.40	0.00
855	855	0.00	0.00	-0.02	0.00	-1.40	0.00
855	856	0.00	0.00	-0.02	0.00	-1.43	0.00

SANT BOI PRET(t=I): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
856	856	0.00	0.00	-0.02	0.00	-1.43	0.00
856	857	0.00	0.00	-0.02	0.00	-1.43	0.00
857	857	0.00	0.00	-0.02	0.00	-1.43	0.00
857	858	0.00	0.00	-0.02	0.00	-1.46	0.00
858	858	0.00	0.00	-0.02	0.00	-1.46	0.00
858	859	0.00	0.00	-0.02	0.00	-1.47	0.00
859	859	0.00	0.00	-0.02	0.00	-1.47	0.00
859	860	0.00	0.00	-0.02	0.00	-1.47	0.00
860	860	0.00	0.00	-0.02	0.00	-1.47	0.00
860	861	0.00	0.00	-0.02	0.00	-1.50	0.00
861	861	0.00	0.00	-0.02	0.00	-1.50	0.00
861	862	0.00	0.00	-0.02	0.00	-1.51	0.00
862	862	0.00	0.00	-0.02	0.00	-1.51	0.00
862	863	0.00	0.00	-0.02	0.00	-1.54	0.00
863	863	0.00	-0.01	-0.01	0.00	-1.54	0.00
863	864	0.00	-0.01	-0.01	0.00	-1.54	0.00
864	864	0.00	-0.01	-0.01	0.00	-1.54	0.00
864	865	0.00	-0.01	-0.01	0.00	-1.57	0.00
865	865	0.00	-0.02	-0.01	0.00	-1.57	0.00
865	866	0.00	-0.02	-0.01	0.00	-1.61	0.04
866	866	0.00	-0.02	-0.01	0.00	-1.61	0.04
866	867	0.00	-0.02	-0.01	0.00	-1.64	0.04
867	867	-0.02	-0.01	0.00	-0.04	-1.68	0.00
867	868	-0.02	-0.01	0.00	-0.04	-1.65	0.04
868	868	3516.52	-0.01	-112.53	-0.04	115.87	0.04
868	869	3516.52	-0.01	-112.53	-0.04	-13.64	0.04
869	869	3525.10	0.00	-0.01	0.00	-13.64	0.00
869	870	3525.10	0.00	-0.01	0.00	-13.65	0.00
870	870	3531.89	0.00	-0.01	0.00	-13.69	0.00
880	881	0.00	0.00	0.02	0.00	-1.32	0.00
881	881	0.00	0.00	0.02	0.00	-1.32	0.00
881	882	0.00	0.00	0.02	0.00	-1.29	0.00
872	873	3545.43	0.01	0.02	0.00	-13.66	-0.04
873	873	3550.40	0.01	113.65	-0.04	-13.70	-0.04
873	874	3550.40	0.01	113.65	-0.04	117.04	-0.04
884	884	0.00	0.00	0.02	0.00	-1.21	0.00
884	885	0.00	0.00	0.02	0.00	-1.18	0.00

SANT BOI PRET(t=I): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
885	885	0.00	0.00	0.02	0.00	-1.18	0.00
885	886	0.00	0.00	0.02	0.00	-1.18	0.00
886	886	0.00	0.00	0.02	0.00	-1.18	0.00
886	887	0.00	0.00	0.02	0.00	-1.11	0.00
876	877	-0.01	0.00	0.03	0.00	-1.47	0.00
877	877	0.00	0.00	0.03	0.00	-1.47	0.04
877	878	0.00	0.00	0.03	0.00	-1.46	0.00
878	878	0.00	0.00	0.03	0.00	-1.46	0.00
878	879	0.00	0.00	0.03	0.00	-1.39	0.00
879	879	0.00	0.00	0.02	0.00	-1.39	0.00
879	870	3525.10	0.00	-0.01	0.00	-13.65	0.00
870	871	3531.89	0.00	-0.01	0.00	-13.65	0.00
871	871	3538.67	0.01	0.02	0.00	-13.69	-0.04
871	872	3538.67	0.01	0.02	0.00	-13.66	-0.04
872	872	3545.43	0.01	0.02	0.00	-13.70	-0.04
882	882	0.00	0.00	0.02	0.00	-1.29	0.00
882	883	0.00	0.00	0.02	0.00	-1.22	0.00
883	883	0.00	0.00	0.02	0.00	-1.22	0.00
883	884	0.00	0.00	0.02	0.00	-1.21	0.00
874	874	-0.04	0.01	0.04	-0.04	-1.58	-0.04
874	875	-0.04	0.01	0.04	-0.04	-1.54	-0.04
875	875	-0.01	0.00	0.03	0.00	-1.54	0.00
875	876	-0.01	0.00	0.03	0.00	-1.51	0.00
876	876	-0.01	0.00	0.03	0.00	-1.51	0.00
887	887	0.00	0.00	0.02	0.00	-1.11	0.00
887	888	0.00	0.00	0.02	0.00	-1.11	0.00
888	888	0.00	0.00	0.02	0.00	-1.11	0.00
888	889	0.00	0.00	0.02	0.00	-1.06	0.00
889	889	0.00	0.00	0.02	0.00	-1.06	0.00
889	890	0.00	0.00	0.02	0.00	-1.03	0.00
890	890	0.00	0.00	0.02	0.00	-1.03	0.00
890	891	0.00	0.00	0.02	0.00	-0.99	0.00
891	891	0.00	0.00	0.02	0.00	-0.99	0.00
891	892	0.00	0.00	0.02	0.00	-1.00	0.00
892	892	0.00	0.00	0.02	0.00	-1.00	0.00
892	893	0.00	0.00	0.02	0.00	-0.95	0.00
893	893	0.00	0.00	0.02	0.00	-0.95	0.00
893	894	0.00	0.00	0.02	0.00	-0.92	0.00

SANT BOI PRET(t-1): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
894	894	0.00	0.00	0.02	0.00	-0.92	0.00
894	895	0.00	0.00	0.02	0.00	-0.88	0.00
895	895	0.00	0.00	0.02	0.00	-0.88	0.00
895	896	0.00	0.00	0.02	0.00	-0.85	0.00
896	896	0.00	0.00	0.02	0.00	-0.85	0.00
896	897	0.00	0.00	0.02	0.00	-0.78	0.00
897	897	0.00	0.00	0.02	0.00	-0.78	0.00
897	898	0.00	0.00	0.02	0.00	-0.77	0.00
898	898	0.00	0.00	0.02	0.00	-0.77	0.00
898	899	0.00	0.00	0.02	0.00	-0.71	0.00
899	899	0.00	0.00	0.02	0.00	-0.71	0.00
899	900	0.00	0.00	0.02	0.00	-0.74	0.00
900	900	0.00	0.00	0.02	0.00	-0.74	0.00
900	901	0.00	0.00	0.02	0.00	-0.67	0.00
901	901	0.00	0.00	0.02	0.00	-0.67	0.00
901	902	0.00	0.00	0.02	0.00	-0.67	0.00
902	902	0.00	0.00	0.02	0.00	-0.67	0.00
902	903	0.00	0.00	0.02	0.00	-0.60	0.00
903	903	0.00	0.00	0.03	0.00	-0.60	0.00
903	904	0.00	0.00	0.03	0.00	-0.59	0.00
904	904	0.00	0.00	0.03	0.00	-0.59	0.00
904	905	0.00	0.00	0.03	0.00	-0.55	0.00
905	905	0.00	-0.01	0.03	0.00	-0.55	0.00
905	906	0.00	-0.01	0.03	0.00	-0.52	0.02
906	906	0.00	-0.01	0.03	0.00	-0.52	0.02
906	907	0.00	-0.01	0.03	0.00	-0.47	0.02
907	907	-0.01	0.00	0.04	-0.02	-0.50	0.00
907	908	-0.01	0.00	0.04	-0.02	-0.44	0.02
908	908	2197.83	0.00	-70.30	-0.02	73.00	0.02
908	909	2197.83	0.00	-70.30	-0.02	-7.88	0.02
909	909	2203.19	0.00	0.04	0.00	-7.88	0.00
909	910	2203.19	0.00	0.04	0.00	-7.85	0.00
910	910	2207.43	0.00	0.04	0.00	-7.85	0.00
910	911	2207.43	0.00	0.04	0.00	-7.84	0.00
911	911	2211.67	0.01	-0.05	0.00	-7.87	-0.02
911	912	2211.67	0.01	-0.05	0.00	-7.90	-0.02
912	912	2215.90	0.01	-0.05	0.00	-7.90	-0.02
912	913	2215.90	0.01	-0.05	0.00	-7.99	-0.02

SANT BOI PRET(t-1): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
913	913	2219.00	0.00	70.97	-0.02	-8.02	-0.02
913	914	2219.00	0.00	70.97	-0.02	73.69	-0.02
914	914	-0.02	0.00	-0.04	-0.02	-0.47	-0.02
914	915	-0.02	0.00	-0.04	-0.02	-0.54	-0.02
915	915	0.00	0.00	-0.04	0.00	-0.54	0.00
915	916	0.00	0.00	-0.04	0.00	-0.54	0.00
916	916	0.00	0.00	-0.04	0.00	-0.54	0.00
916	917	0.00	0.00	-0.04	0.00	-0.61	0.00
917	917	0.00	0.00	-0.04	0.00	-0.61	0.02
917	918	0.00	0.00	-0.04	0.00	-0.64	0.00
918	918	0.00	0.00	-0.04	0.00	-0.64	0.00
918	919	0.00	0.00	-0.04	0.00	-0.71	0.00
919	919	0.00	0.00	-0.04	0.00	-0.71	0.00
919	920	0.00	0.00	-0.04	0.00	-0.72	0.00
920	920	0.00	0.00	-0.04	0.00	-0.72	0.00
920	921	0.00	0.00	-0.04	0.00	-0.78	0.00
921	921	0.00	0.00	-0.04	0.00	-0.78	0.00
921	922	0.00	0.00	-0.04	0.00	-0.81	0.00
922	922	0.00	0.00	-0.04	0.00	-0.81	0.00
922	923	0.00	0.00	-0.04	0.00	-0.88	0.00
923	923	0.00	0.00	-0.04	0.00	-0.88	0.00
923	924	0.00	0.00	-0.04	0.00	-0.95	0.00
924	924	0.00	0.00	-0.04	0.00	-0.95	0.00
924	925	0.00	0.00	-0.04	0.00	-0.98	0.00
925	925	0.00	0.00	-0.04	0.00	-0.98	0.00
925	926	0.00	0.00	-0.04	0.00	-1.05	0.00
926	926	0.00	0.00	-0.04	0.00	-1.05	0.00
926	927	0.00	0.00	-0.04	0.00	-1.06	0.00
927	927	0.00	0.00	-0.04	0.00	-1.06	0.00
927	928	0.00	0.00	-0.04	0.00	-1.13	0.00
928	928	0.00	0.00	-0.04	0.00	-1.13	0.00
928	929	0.00	0.00	-0.04	0.00	-1.16	0.00
929	929	0.00	0.00	-0.04	0.00	-1.16	0.00
929	930	0.00	0.00	-0.04	0.00	-1.22	0.00
930	930	0.00	0.00	-0.04	0.00	-1.22	0.00
930	931	0.00	0.00	-0.04	0.00	-1.25	0.00
931	931	0.00	0.00	-0.04	0.00	-1.25	0.00
931	932	0.00	0.00	-0.04	0.00	-1.32	0.00

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SANT BOI PRET(t=I): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
932	932	0.00	0.00	-0.04	0.00	-1.32	0.00
932	933	0.00	0.00	-0.04	0.00	-1.33	0.00
933	933	0.00	0.00	-0.04	0.00	-1.33	0.00
933	934	0.00	0.00	-0.04	0.00	-1.40	0.00
934	934	0.00	0.00	-0.04	0.00	-1.40	0.00
934	935	0.00	0.00	-0.04	0.00	-1.47	0.00
935	935	0.00	0.00	-0.04	0.00	-1.47	0.00
935	936	0.00	0.00	-0.04	0.00	-1.50	0.00
936	936	0.00	0.00	-0.04	0.00	-1.50	0.00
936	937	0.00	0.00	-0.04	0.00	-1.56	0.00
937	937	0.00	0.00	-0.04	0.00	-1.56	0.00
937	938	0.00	0.00	-0.04	0.00	-1.59	0.00
938	938	0.00	0.00	-0.04	0.00	-1.59	0.00
938	939	0.00	0.00	-0.04	0.00	-1.64	0.00
939	939	0.00	0.00	-0.05	0.00	-1.64	0.00
939	940	0.00	0.00	-0.05	0.00	-1.67	0.00
940	940	0.00	0.00	-0.05	0.00	-1.67	0.00
940	941	0.00	0.00	-0.05	0.00	-1.74	0.00
941	941	0.00	-0.01	-0.05	0.00	-1.74	0.00
941	942	0.00	-0.01	-0.05	0.00	-1.77	0.00
942	942	0.00	-0.01	-0.05	0.00	-1.77	0.00
942	943	0.00	-0.01	-0.05	0.00	-1.84	0.00
943	943	0.00	-0.02	-0.05	0.00	-1.84	0.00
943	944	0.00	-0.02	-0.05	0.00	-1.88	0.04
944	944	0.00	-0.02	-0.05	0.00	-1.88	0.04
944	945	0.00	-0.02	-0.05	0.00	-1.91	0.04
945	945	-0.02	-0.01	-0.03	-0.04	-1.91	0.00
945	946	-0.02	-0.01	-0.03	-0.04	-1.98	0.04
946	946	3516.52	-0.01	-112.56	-0.04	115.54	0.04
946	947	3516.52	-0.01	-112.56	-0.04	-13.97	0.04
947	947	3525.10	0.00	-0.04	0.00	-13.97	0.00
947	948	3525.10	0.00	-0.04	0.00	-14.04	0.00
948	948	3531.89	0.00	-0.04	0.00	-14.04	0.00
948	949	3531.89	0.00	-0.04	0.00	-14.07	0.00
949	949	3538.67	0.01	0.04	0.00	-14.07	-0.04
949	950	3538.67	0.01	0.04	0.00	-14.06	-0.04
950	950	3545.43	0.01	0.04	0.00	-14.10	-0.04
950	951	3545.43	0.01	0.04	0.00	-14.02	-0.04

SANT BOI PRET(t=I): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
951	951	3550.39	0.01	113.67	-0.04	-14.10	-0.04
951	952	3550.39	0.01	113.67	-0.04	116.70	-0.04
952	952	-0.04	0.01	0.06	-0.04	-1.96	-0.04
952	953	-0.04	0.01	0.06	-0.04	-1.88	-0.04
953	953	-0.01	0.00	0.06	0.00	-1.88	0.00
953	954	-0.01	0.00	0.06	0.00	-1.80	0.00
954	954	-0.01	0.00	0.06	0.00	-1.80	0.00
954	955	-0.01	0.00	0.06	0.00	-1.75	0.00
955	955	0.00	0.00	0.05	0.00	-1.75	0.04
955	956	0.00	0.00	0.05	0.00	-1.67	0.00
956	956	0.00	0.00	0.05	0.00	-1.67	0.00
956	957	0.00	0.00	0.05	0.00	-1.61	0.00
957	957	0.00	0.00	0.05	0.00	-1.61	0.00
957	958	0.00	0.00	0.05	0.00	-1.54	0.00
958	958	0.00	0.00	0.05	0.00	-1.54	0.00
958	959	0.00	0.00	0.05	0.00	-1.48	0.00
959	959	0.00	0.00	0.05	0.00	-1.48	0.00
959	960	0.00	0.00	0.05	0.00	-1.44	0.00
960	960	0.00	0.00	0.05	0.00	-1.44	0.00
960	961	0.00	0.00	0.05	0.00	-1.36	0.00
961	961	0.00	0.00	0.05	0.00	-1.36	0.00
961	962	0.00	0.00	0.05	0.00	-1.31	0.00
962	962	0.00	0.00	0.05	0.00	-1.31	0.00
962	963	0.00	0.00	0.05	0.00	-1.27	0.00
963	963	0.00	0.00	0.05	0.00	-1.27	0.00
963	964	0.00	0.00	0.05	0.00	-1.21	0.00
964	964	0.00	0.00	0.05	0.00	-1.21	0.00
964	965	0.00	0.00	0.05	0.00	-1.14	0.00
965	965	0.00	0.00	0.05	0.00	-1.14	0.00
965	966	0.00	0.00	0.05	0.00	-1.08	0.00
966	966	0.00	0.00	0.05	0.00	-1.08	0.00
966	967	0.00	0.00	0.05	0.00	-1.00	0.00
967	967	0.00	0.00	0.05	0.00	-1.00	0.00
967	968	0.00	0.00	0.05	0.00	-0.96	0.00
968	968	0.00	0.00	0.05	0.00	-0.96	0.00
968	969	0.00	0.00	0.05	0.00	-0.91	0.00
969	969	0.00	0.00	0.05	0.00	-0.91	0.00
969	970	0.00	0.00	0.05	0.00	-0.87	0.00

7.5.1.2. Esfuerzos Momento Exterior

SANT BOI PRET(t=1): 1.00*Pchuletas

BAR.	NUDO	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
970	970	0.00	0.00	0.05	0.00	-0.87	0.00
970	971	0.00	0.00	0.05	0.00	-0.81	0.00
971	971	0.00	0.00	0.05	0.00	-0.81	0.00
971	972	0.00	0.00	0.05	0.00	-0.74	0.00
972	972	0.00	0.00	0.05	0.00	-0.74	0.00
972	973	0.00	0.00	0.05	0.00	-0.75	0.00
973	973	0.00	0.00	0.05	0.00	-0.75	0.00
973	974	0.00	0.00	0.05	0.00	-0.63	0.00
974	974	0.00	0.00	0.05	0.00	-0.63	0.00
974	975	0.00	0.00	0.05	0.00	-0.57	0.00
975	975	0.00	0.00	0.05	0.00	-0.57	0.00
975	976	0.00	0.00	0.05	0.00	-0.53	0.00
976	976	0.00	0.00	0.05	0.00	-0.53	0.00
976	977	0.00	0.00	0.05	0.00	-0.45	0.00
977	977	0.00	0.00	0.05	0.00	-0.45	0.00
977	978	0.00	0.00	0.05	0.00	-0.44	0.00
978	978	0.00	0.00	0.05	0.00	-0.44	0.00
978	979	0.00	0.00	0.05	0.00	-0.36	0.00
979	979	0.00	0.00	0.05	0.00	-0.36	0.00
979	980	0.00	0.00	0.05	0.00	-0.31	0.00
980	980	0.00	0.00	0.05	0.00	-0.31	0.00
980	981	0.00	0.00	0.05	0.00	-0.27	0.00
981	981	0.00	0.00	0.05	0.00	-0.27	0.00
981	982	0.00	0.00	0.05	0.00	-0.17	0.00
982	982	0.00	0.00	0.05	0.00	-0.17	0.00
982	983	0.00	0.00	0.05	0.00	-0.09	0.00
983	983	0.00	0.00	0.05	0.00	-0.09	0.00
983	984	0.00	0.00	0.05	0.00	-0.08	0.00
984	984	0.00	0.00	0.05	0.00	-0.08	0.00
984	985	0.00	0.00	0.05	0.00	0.00	0.00

7.5.1.2.1. Combinaciones

TITULO
SANT BOI ELU:1.35*G+1.5*UTC+0.9*(GT+Vc)

FICHERO DE GEOMETRIA COMPLETA
GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS
5

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
1	869	1138	2	CP.TXT
2	869	1138	394	SC.TXT
3	869	1138	2	ROZ.TXT
4	869	1138	1	TEMP.TXT
5	869	1138	4	VIENTO.TXT

Fich	Hipotesis	Caracter	Coeficiente
1	1	1	1.35
1	2	1	1.35
2	1	2	0.75
2	2	2	0.75
2	3	2	0.75
2	4	2	0.75
2	5	2	0.75
2	6	2	0.75
2	7	2	0.75
2	8	2	0.75
2	9	2	0.75
2	10	2	0.75
2	11	2	1.50
2	12	2	1.50
2	13	2	1.50
2	14	2	1.50
2	15	2	1.50
2	16	2	1.50
2	17	2	1.50
2	18	2	1.50
2	19	2	1.50
2	20	2	1.50
2	21	3	1.50
2	22	3	1.50
2	23	3	1.50
2	24	3	1.50
2	25	3	1.50
2	26	3	1.50
2	27	3	1.50
2	28	3	1.50
2	29	3	1.50
2	30	3	1.50
2	31	3	1.50
2	32	3	1.50
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2	34	3	1.50
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2	36	3	1.50
2	37	3	1.50
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2	39	3	1.50
2	40	3	1.50
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2	381	5	1.50
2	382	5	1.50
2	383	8	1.50
2	384	8	1.50
2	385	8	1.50
2	386	8	1.50

2	387	8	1.50
2	388	8	1.50
2	389	8	1.50
2	390	8	1.50
2	391	8	1.50
2	392	8	1.50
2	393	8	1.50
2	394	8	1.50
3	1	6	1.35
3	2	6	1.35
4	1	2	0.90
5	1	7	0.00
5	2	7	0.00
5	3	7	0.90
5	4	7	0.90

TITULO
=======
SANT BOI ELU:1.35*G+1.2*UIC+1.5*GT+0.9*Vc

PICHERO DE GEOMETRIA COMPLETA
==========
GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS
==========
5

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
1	869	1138	2	CP.TXT
2	869	1138	394	SC.TXT
3	869	1138	2	ROZ.TXT
4	869	1138	1	TEMP.TXT
5	869	1138	4	VIENTO.TXT

Fich	Hipotesis	Caracter	Coeficiente
1	1	1	1.35
1	2	1	1.35
2	1	2	0.60
2	2	2	0.60
2	3	2	0.60
2	4	2	0.60
2	5	2	0.60
2	6	2	0.60
2	7	2	0.60
2	8	2	0.60
2	9	2	0.60
2	10	2	0.60
2	11	2	1.20
2	12	2	1.20
2	13	2	1.20
2	14	2	1.20
2	15	2	1.20
2	16	2	1.20
2	17	2	1.20
2	18	2	1.20
2	19	2	1.20
2	20	2	1.20
2	21	3	1.20
2	22	3	1.20
2	23	3	1.20
2	24	3	1.20
2	25	3	1.20
2	26	3	1.20
2	27	3	1.20
2	28	3	1.20
2	29	3	1.20
2	30	3	1.20
2	31	3	1.20
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2	33	3	1.20
2	34	3	1.20
2	35	3	1.20
2	36	3	1.20
2	37	3	1.20
2	38	3	1.20
2	39	3	1.20
2	40	3	1.20
2	41	3	1.20
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2	45	3	1.20
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2	49	3	1.20
2	50	3	1.20
2	51	3	1.20
2	52	3	1.20
2	53	3	1.20
2	54	3	1.20
2	55	3	1.20
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2	69	3	1.20
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2	71	3	1.20
2	72	3	1.20
2	73	3	1.20
2	74	3	1.20
2	75	3	1.20
2	76	3	1.20
2	77	3	1.20
2	78	3	1.20
2	79	3	1.20
2	80	3	1.20
2	81	3	1.20
2	82	3	1.20
2	83	3	1.20
2	84	3	1.20
2	85	3	1.20
2	86	3	1.20
2	87	3	1.20
2	88	3	1.20
2	89	3	1.20
2	90	3	1.20
2	91	3	1.20
2	92	3	1.20
2	93	3	1.20
2	94	3	1.20
2	95	3	1.20
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2	393	8	1.20
2	394	8	1.20
3	1	6	1.35
3	2	6	1.35
4	1	2	1.50
5	1	7	0.00
5	2	7	0.00
5	3	7	0.90
5	4	7	0.90

□

TITULO
=======
SANT BOI FLU:1.35*G+0.9*GP+1.5*Vd

FICHERO DE GEOMETRIA COMPLETA
==========
GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS
==========
5

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
1	869	1138	2	CP.TXT
2	869	1138	394	SC.TXT
3	869	1138	2	ROZ.TXT
4	869	1138	1	TEMP.TXT
5	869	1138	4	VIENTO.TXT

Fich	Hipotesis	Caracter	Coeficiente
1	1	1	1.35
1	2	1	1.35
2	1	2	0.00
2	2	2	0.00
2	3	2	0.00
2	4	2	0.00
2	5	2	0.00
2	6	2	0.00
2	7	2	0.00
2	8	2	0.00
2	9	2	0.00
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2	386	8	0.00

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2	392	8	0.00
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2	394	8	0.00
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3	2	6	1.35
4	1	2	0.90
5	1	7	1.50
5	2	7	1.50
5	3	7	0.00
5	4	7	0.00

TITULO
=======
SANT BOI ELU:1.00*G+1.5*UIC+0.9*(GT+Vc)

FICHERO DE GEOMETRIA COMPLETA
=============================
GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS
================================
5

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
1	869	1138	2	CP.TXT
2	869	1138	394	SC.TXT
3	869	1138	2	ROZ.TXT
4	869	1138	1	TEMP.TXT
5	869	1138	4	VIENTO.TXT

Fich	Hipotesis	Caracter	Coeficiente
1	1	1	1.00
1	2	1	1.00
2	1	2	0.75
2	2	2	0.75
2	3	2	0.75
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2	393	8	1.50
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3	2	6	1.00
4	1	2	0.90
5	1	7	0.00
5	2	7	0.00
5	3	7	0.90
5	4	7	0.90

TITULO
=======
SANT BOI ELU:1.00*G+1.2*UIC+1.5*GT+0.9*Vc

FICHERO DE GEOMETRIA COMPLETA
=============================
GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS
================================
5

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
1	869	1138	2	CP.TXT
2	869	1138	394	SC.TXT
3	869	1138	2	ROZ.TXT
4	869	1138	1	TEMP.TXT
5	869	1138	4	VIENTO.TXT

Fich	Hipotesis	Caracter	Coeficiente
1	1	1	1.00
1	2	1	1.00
2	1	2	0.60
2	2	2	0.60
2	3	2	0.60
2	4	2	0.60
2	5	2	0.60
2	6	2	0.60
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2	316	4	1.20
2	317	4	1.20
2	318	4	1.20
2	319	4	1.20
2	320	4	1.20
2	321	4	1.20
2	322	4	1.20
2	323	4	1.20
2	324	4	1.20
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2	326	4	1.20
2	327	4	1.20
2	328	4	1.20
2	329	4	1.20
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2	331	4	1.20
2	332	4	1.20
2	333	4	1.20
2	334	4	1.20
2	335	4	1.20
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2	337	4	1.20
2	338	4	1.20
2	339	4	1.20
2	340	4	1.20
2	341	4	1.20
2	342	4	1.20
2	343	4	1.20
2	344	4	1.20
2	345	4	1.20
2	346	4	1.20
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2	352	4	1.20
2	353	4	1.20
2	354	4	1.20
2	355	4	1.20
2	356	4	1.20
2	357	4	1.20
2	358	4	1.20
2	359	4	1.20
2	360	4	1.20
2	361	4	1.20
2	362	4	1.20
2	363	4	1.20
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2	365	4	1.20
2	366	4	1.20
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2	372	4	1.20
2	373	4	1.20
2	374	4	1.20
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2	383	8	1.20
2	384	8	1.20
2	385	8	1.20
2	386	8	1.20

2	387	8	1.20
2	388	8	1.20
2	389	8	1.20
2	390	8	1.20
2	391	8	1.20
2	392	8	1.20
2	393	8	1.20
2	394	8	1.20
3	1	6	1.00
3	2	6	1.00
4	1	2	1.50
5	1	7	0.00
5	2	7	0.00
5	3	7	0.90
5	4	7	0.90

TITULO
=======
SANT BOI ELU:1.00*G+0.9*GT+1.5*Vd

FICHERO DE GEOMETRIA COMPLETA

GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS

5

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
1	869	1138	2	CP.TXT
2	869	1138	394	SC.TXT
3	869	1138	2	ROZ.TXT
4	869	1138	1	TEMP.TXT
5	869	1138	4	VIENTO.TXT

Fich	Hipotesis	Caracter	Coeficiente
1	1	1	1.00
1	2	1	1.00
2	1	2	0.00
2	2	2	0.00
2	3	2	0.00
2	4	2	0.00
2	5	2	0.00
2	6	2	0.00
2	7	2	0.00
2	8	2	0.00
2	9	2	0.00
2	10	2	0.00
2	11	2	0.00
2	12	2	0.00
2	13	2	0.00
2	14	2	0.00
2	15	2	0.00
2	16	2	0.00
2	17	2	0.00
2	18	2	0.00
2	19	2	0.00
2	20	2	0.00
2	21	3	0.00
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2	26	3	0.00
2	27	3	0.00
2	28	3	0.00
2	29	3	0.00
2	30	3	0.00
2	31	3	0.00
2	32	3	0.00
2	33	3	0.00
2	34	3	0.00
2	35	3	0.00
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2	37	3	0.00
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2	40	3	0.00
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2	42	3	0.00
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2	44	3	0.00
2	45	3	0.00
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2	377	4	0.00
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2	379	4	0.00
2	380	4	0.00
2	381	5	0.00
2	382	5	0.00
2	383	8	0.00
2	384	8	0.00
2	385	8	0.00
2	386	8	0.00

5595

2	387	8	0.00
2	388	8	0.00
2	389	8	0.00
2	390	8	0.00
2	391	8	0.00
2	392	8	0.00
2	393	8	0.00
2	394	8	0.00
3	1	6	1.00
3	2	6	1.00
4	1	2	0.90
5	1	7	1.50
5	2	7	1.50
5	3	7	0.00
5	4	7	0.00

□

TITULO
=======
LAV SANT BOI ELU MOMENTO EXTERIOR

NUMERO DE FICHEROS DE RESULTADOS
================================
6

NUMERO DE BARRAS EN LOS FICHEROS
================================
1138

Fich	NOMBRE FICHERO
1	ELUSC135.PNE
2	ELUSC100.PNE
3	ELUGT135.PNE
4	ELUGT100.PNE
5	ELUV135.PNE
6	ELUV100.PNE

PONDERACION DE ESFUERZOS

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	1	7311.94>>	21.84	2899.45	13.2	-470.2	25.5
	1	-7524.35<<	7.86	6038.79	93.8	368.8	-173.0
	1	-2487.51	-14.85	4413.97	415.1	696.6>>	-125.1
	1	2133.36	26.16	5221.13	-65.4	-670.6<<	-92.6
	2	7291.07>>	21.84	2614.60	13.2	2718.1	0.4
	2	-7503.48<<	12.05	5766.23	90.3	7139.0	-184.4
	2	-2536.71	-10.31	6213.59	420.0	7945.1>>	-171.0
	2	2947.90	14.76	1408.81	33.1	1220.9<<	-2.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	2	7291.07>>	21.84	2614.60	13.2	2718.1	0.4
	2	-7503.48<<	12.05	5766.23	90.3	7139.0	-184.4
	2	-2536.71	-10.31	6213.59	420.0	7945.1>>	-171.0
	2	2947.90	14.76	1408.81	33.1	1220.9<<	-2.5
	3	7270.20>>	21.84	2329.75	13.2	5578.8	-24.7
	3	-7482.60<<	16.25	5493.67	86.9	13595.7	-200.7
	3	-2468.40	5.96	5936.14	415.8	14915.1>>	-157.6
	3	2927.03	14.76	1208.14	33.1	2743.3<<	-19.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	3	7245.60>>	-116.59	2265.72	7.7	5127.3	-4.5
	3	-7284.39<<	-624.86	4920.84	191.5	13994.7	-253.2
	3	-2324.41	-606.87	5305.66	373.6	14737.4>>	-222.1
	3	2924.70	-87.72	1205.69	25.8	2707.3<<	-1.5
	4	7233.45>>	-116.59	1992.49	7.7	7594.7	129.7
	4	-7254.40<<	-620.67	4636.66	188.0	19475.4	463.3
	4	-2294.42	-606.87	5021.48	373.6	20660.9>>	476.1
	4	2910.25	-87.72	1004.35	25.8	3996.4<<	99.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	4	7233.45>>	-116.59	1992.49	7.7	7594.7	129.7
	4	-7254.40<<	-620.67	4636.66	188.0	19475.4	463.3
	4	-2294.42	-606.87	5021.48	373.6	20660.9>>	476.1
	4	2910.25	-87.72	1004.35	25.8	3996.4<<	99.5
	5	7219.36>>	-116.59	1779.89	7.7	9782.6	263.8
	5	-7226.35<<	-616.47	4413.11	184.6	24664.0	1174.9
	5	-2264.34	-590.89	4825.43	435.8	26314.6>>	1153.4
	5	2894.06	-87.81	847.91	25.8	5079.7<<	200.4

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	5	7199.61>>	26.22	1536.79	-16.1	10387.8	238.2
	5	-7351.25<<	38.19	3585.30	-415.5	22658.8	952.4
	5	-2348.91	49.72	4239.35	217.2	26040.8>>	897.7
	5	2860.82	25.58	653.75	20.3	5037.9<<	187.7
	6	7178.74>>	26.22	1314.23	-16.1	12044.8	208.0
	6	-7330.38<<	42.38	3373.37	-418.9	26642.3	906.1
	6	-2319.20	49.61	4080.62	323.9	30798.2>>	819.3
	6	2839.95	25.58	497.99	20.3	5717.9<<	158.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	6	7178.74>>	26.22	1314.23	-16.1	12044.8	208.0
	6	-7330.38<<	42.38	3373.37	-418.9	26642.3	906.1
	6	-2319.20	49.61	4080.62	323.9	30798.2>>	819.3
	6	2839.95	25.58	497.99	20.3	5717.9<<	158.3
	7	7157.87>>	26.22	1091.67	-16.1	13445.9	177.9
	7	-7309.50<<	46.57	3161.45	-422.4	30382.2	854.9
	7	-2298.33	49.61	3856.40	323.9	35344.3>>	762.2
	7	2819.08	25.58	342.24	20.3	6218.7<<	128.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	7	7136.64>>	40.58	955.45	-33.2	13382.3	173.7
	7	-7359.38<<	182.52	2571.95	-488.0	30037.3	792.8
	7	-2336.48	167.80	3222.20	106.8	35021.2>>	692.0
	7	2795.97	46.20	242.47	18.2	6179.8<<	148.7
	8	7115.77>>	40.58	732.89	-33.2	14370.8	127.0
	8	-7338.51<<	186.71	2360.02	-491.4	32855.5	580.5
	8	-2311.25	166.49	3018.59	149.7	38601.8>>	494.1
	8	2775.09	46.20	86.72	18.2	6386.8<<	95.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	8	7115.77>>	40.58	732.89	-33.2	14370.8	127.0
	8	-7338.51<<	186.71	2360.02	-491.4	32855.5	580.5
	8	-2311.25	166.49	3018.59	149.7	38601.8>>	494.1
	8	2775.09	46.20	86.72	18.2	6386.8<<	95.6
	9	7094.89>>	40.58	510.33	-33.2	15103.4	80.3
	9	-7317.64<<	190.90	2148.10	-494.9	35430.0	363.4
	9	-2283.01	162.86	2861.35	249.7	41950.6>>	294.0
	9	2754.22	46.20	-69.04	18.2	6414.6<<	42.5

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	9	7103.65>>	27.39	354.49	-28.1	14846.7	77.7
	9	-7277.58<<	128.15	1667.00	-454.8	35412.3	340.3
	9	-2245.54	104.72	2166.57	-39.5	41632.7>>	283.5
	9	2745.82	34.55	-167.58	25.9	6379.1<<	70.4
	10	7082.78>>	27.39	131.93	-28.1	15144.1	46.2
	10	-7256.71<<	128.15	1455.07	-454.8	37189.8	192.9
	10	-2222.42	103.56	2009.03	51.7	44004.9>>	160.7
	10	2724.95	34.55	-323.34	25.9	6114.6<<	30.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	10	7082.78>>	27.39	131.93	-28.1	15144.1	46.2
	10	-7256.71<<	128.15	1455.07	-454.8	37189.8	192.9
	10	-2222.42	103.56	2009.03	51.7	44004.9>>	160.7
	10	2724.95	34.55	-323.34	25.9	6114.6<<	30.6
	11	7061.90>>	27.39	-90.63	-28.1	15185.5	14.7
	11	-7235.84<<	128.15	1243.14	-454.8	38723.6	45.5
	11	-2199.09	102.90	1805.72	93.1	46190.6>>	40.9
	11	2704.08	34.55	-479.09	25.9	5670.8<<	-9.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	11	7076.84>>	4.16	124.07	-74.2	19068.3	7.0
	11	-7185.08<<	48.45	419.66	-333.6	34575.2	39.6
	11	-2147.70	31.14	1157.42	-131.6	45834.7>>	22.2
	11	2697.81	20.57	-576.56	44.2	5639.3<<	17.4
	12	7055.97>>	4.16	-98.49	-74.2	19100.7	2.2
	12	-7164.21<<	48.45	207.74	-333.6	34918.3	-16.1
	12	-7071.16	41.20	996.85	-84.2	47072.6>>	-13.8
	12	6340.39	13.14	-761.55	44.5	4881.8<<	-6.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	12	7055.97>>	4.16	-98.49	-74.2	19100.7	2.2
	12	-7164.21<<	48.45	207.74	-333.6	34918.3	-16.1
	12	-7071.16	41.20	996.85	-84.2	47072.6>>	-13.8
	12	6340.39	13.14	-761.55	44.5	4881.8<<	-6.1
	13	7035.10>>	4.16	-321.05	-74.2	18877.1	-2.6
	13	-7143.33<<	48.45	-4.19	-333.6	35017.7	-71.9
	13	-7048.39	41.52	861.34	47.7	48134.1>>	-61.9
	13	6319.52	12.75	-917.32	44.5	3934.1<<	-20.7

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	13	7051.42>>	-7.34	-202.86	-36.3	22298.6	-21.4
	13	-7105.31<<	-4.11	-721.46	-298.1	31345.6	-88.9
	13	-7020.45	-1.15	140.06	-268.0	47768.8>>	-70.0
	13	6320.53	3.82	-1013.62	75.4	3907.5<<	-14.2
	14	7030.55>>	-7.34	-425.42	-36.3	21955.1	-12.9
	14	-7084.43<<	-4.11	-933.39	-298.1	30376.4	-84.2
	14	-6999.52	-0.23	16.35	-119.9	47843.0>>	-68.4
	14	6300.14	3.44	-1169.38	75.4	2670.0<<	-18.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	14	7030.55>>	-7.34	-425.42	-36.3	21955.1	-12.9
	14	-7084.43<<	-4.11	-933.39	-298.1	30376.4	-84.2
	14	-6999.52	-0.23	16.35	-119.9	47843.0>>	-68.4
	14	6300.14	3.44	-1169.38	75.4	2670.0<<	-18.5
	15	7009.68>>	-7.34	-647.98	-36.3	21355.6	-4.4
	15	-7063.56<<	-4.11	-1145.31	-298.1	29163.4	-79.4
	15	-6978.64	-0.02	-139.52	-28.9	47738.6>>	-68.3
	15	6279.27	3.44	-1325.14	75.4	1253.3<<	-22.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	15	7024.73>>	-15.71	-776.82	-4.2	21312.5	-25.1
	15	-7045.94<<	-8.36	-1483.44	-56.6	28717.6	-75.7
	15	-6959.28	-22.35	-861.69	-346.1	47357.7>>	-84.3
	15	6280.13	-4.73	-1420.35	121.6	1233.1<<	-17.3
	16	7003.86>>	-15.71	-999.38	-4.2	20308.8	-7.0
	16	-7025.07<<	-8.36	-1695.37	-56.6	26872.1	-66.1
	16	-6938.89	-21.78	-984.14	-197.3	46269.2>>	-58.5
	16	6259.26	-4.73	-1576.10	121.6	-472.2<<	-11.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	16	7003.86>>	-15.71	-999.38	-4.2	20308.8	-7.0
	16	-7025.07<<	-8.36	-1695.37	-56.6	26872.1	-66.1
	16	-6938.89	-21.78	-984.14	-197.3	46269.2>>	-58.5
	16	6259.26	-4.73	-1576.10	121.6	-472.2<<	-11.8
	17	6982.99>>	-15.71	-1221.94	-4.2	19049.3	11.1
	17	-7004.19<<	-8.36	-1907.30	-56.6	24782.9	-56.5
	17	-6918.23	-21.48	-1183.38	-149.8	45005.6>>	-33.8
	17	6238.38	-4.73	-1731.86	121.6	-2356.6<<	-6.4

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	17	6999.71>>	-26.63	-1349.13	42.8	19013.8	-10.4
	17	-7006.03<<	-29.12	-2380.29	-33.3	24315.5	-13.4
	17	-6899.07	-42.97	-1833.60	-375.1	44614.9>>	-52.8
	17	6241.44	-16.46	-1825.97	187.1	-2368.6<<	-1.7
	18	6978.84>>	-26.63	-1571.69	42.8	17352.0	20.3
	18	-6985.16<<	-24.92	-2592.21	-36.8	21438.6	17.7
	18	1888.04	-50.15	-2050.04	-327.1	42376.0>>	-2.1
	18	-2546.30	-9.11	-1964.14	187.3	-4545.0<<	16.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	18	6978.84>>	-26.63	-1571.69	42.8	17352.0	20.3
	18	-6985.16<<	-24.92	-2592.21	-36.8	21438.6	17.7
	18	1888.04	-50.15	-2050.04	-327.1	42376.0>>	-2.1
	18	-2546.30	-9.11	-1964.14	187.3	-4545.0<<	16.0
	19	6957.97>>	-26.63	-1794.25	42.8	15434.3	50.9
	19	-6964.29<<	-20.73	-2804.14	-40.3	18318.0	44.0
	19	1865.62	-49.95	-2170.87	-180.0	39992.4>>	55.4
	19	-2525.43	-9.11	-2119.90	187.3	-6911.1<<	26.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	19	6982.30>>	-47.66	-1876.29	105.3	14446.8	15.9
	19	-6961.80<<	-61.46	-3358.08	-14.1	18408.4	80.9
	19	1902.17	-81.90	-2889.89	-500.4	39584.2>>	18.2
	19	-2526.96	-24.36	-2213.10	278.0	-6911.8<<	45.4
	20	6961.43>>	-47.66	-2088.22	105.3	12184.8	70.8
	20	-6940.93<<	-57.27	-3582.30	-17.6	14400.0	149.1
	20	1880.36	-82.23	-3040.87	-410.5	36222.6>>	113.2
	20	-2506.08	-24.36	-2368.86	278.0	-9564.1<<	73.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	20	6961.43>>	-47.66	-2088.22	105.3	12184.8	70.8
	20	-6940.93<<	-57.27	-3582.30	-17.6	14400.0	149.1
	20	1880.36	-82.23	-3040.87	-410.5	36222.6>>	113.2
	20	-2506.08	-24.36	-2368.86	278.0	-9564.1<<	73.4
	21	6940.56>>	-47.66	-2300.14	105.3	9679.3	125.6
	21	-6920.06<<	-53.08	-3806.52	-21.1	10133.7	212.6
	21	1857.29	-82.92	-3160.06	-263.8	32709.3>>	210.5
	21	-2485.21	-24.36	-2524.61	278.0	-12395.5<<	101.4

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	21	6976.03>>	-128.62	-3706.54	-155.3	22129.3	173.7
	21	-6919.68<<	-24.18	-3036.41	367.8	-2259.7	158.6
	21	1901.21	-114.46	-3870.38	-588.1	32284.2>>	169.0
	21	-2485.92	-33.59	-2617.64	401.0	-12381.5<<	118.3
	22	6955.16>>	-128.62	-3918.47	-155.3	17762.7	321.6
	22	-6898.80<<	-19.98	-3260.63	364.3	-5898.2	184.0
	22	1007.27	-100.10	-3543.81	-361.9	27948.0>>	265.6
	22	-2465.05	-33.59	-2773.39	401.0	-15499.0<<	157.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	22	6955.16>>	-128.62	-3918.47	-155.3	17762.7	321.6
	22	-6898.80<<	-19.98	-3260.63	364.3	-5898.2	184.0
	22	1007.27	-100.10	-3543.81	-361.9	27948.0>>	265.6
	22	-2465.05	-33.59	-2773.39	401.0	-15499.0<<	157.0
	23	6934.28>>	-128.62	-4130.39	-155.3	13152.3	469.5
	23	-6877.93<<	-15.79	-3484.85	360.9	-9794.5	204.6
	23	1622.41	-86.91	-2885.19	-250.1	24063.5>>	346.7
	23	-1809.22	-29.14	-3729.03	402.8	-19174.6<<	222.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	23	6989.27>>	-114.36	-4443.02	-409.6	17393.4	336.2
	23	-6919.95<<	7.42	-3772.30	799.6	-14082.2	328.8
	23	1637.63	-73.47	-3440.72	-533.5	23715.2>>	327.7
	23	-1784.09	-26.83	-3860.59	583.2	-19150.3<<	244.4
	24	6968.40>>	-114.36	-4654.94	-409.6	12179.8	467.7
	24	-6899.07<<	11.61	-3996.51	796.2	-18566.9	317.8
	24	1617.66	-74.74	-3526.87	-433.7	19737.2>>	423.9
	24	-1763.22	-26.83	-4072.52	583.2	-23729.5<<	275.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	24	6968.40>>	-114.36	-4654.94	-409.6	12179.8	467.7
	24	-6899.07<<	11.61	-3996.51	796.2	-18566.9	317.8
	24	1617.66	-74.74	-3526.87	-433.7	19737.2>>	423.9
	24	-1763.22	-26.83	-4072.52	583.2	-23729.5<<	275.2
	25	6947.52>>	-114.36	-4866.87	-409.6	6722.4	599.2
	25	-6878.20<<	15.81	-4220.73	792.7	-23309.5	302.1
	25	1596.94	-74.83	-3605.08	-319.1	15661.9>>	519.1
	25	-1742.35	-26.83	-4284.44	583.2	-28552.5<<	306.1

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	25	6943.68>>	22.72	-4044.78	-220.9	2748.0	309.8
	25	-6997.37<<	183.79	-5626.59	834.2	-19016.1	621.3
	25	1546.60	66.10	-4159.42	-647.8	15295.6>>	520.9
	25	-1798.75	100.91	-4410.07	827.9	-28500.7<<	319.3
	26	6922.81>>	22.72	-4256.71	-220.9	-2007.7	283.6
	26	-6976.50<<	187.98	-5850.81	830.7	-25633.3	407.5
	26	1522.32	71.66	-4244.28	-546.8	10495.4>>	442.8
	26	-1777.88	100.91	-4622.00	827.9	-33711.8<<	203.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	26	6922.81>>	22.72	-4256.71	-220.9	-2007.7	283.6
	26	-6976.50<<	187.98	-5850.81	830.7	-25633.3	407.5
	26	1522.32	71.66	-4244.28	-546.8	10495.4>>	442.8
	26	-1777.88	100.91	-4622.00	827.9	-33711.8<<	203.3
	27	6901.94>>	22.72	-4468.64	-220.9	-7007.1	257.5
	27	-6955.62<<	192.17	-6075.03	827.2	-32508.3	188.9
	27	1497.55	77.57	-4321.56	-427.1	5603.4>>	314.1
	27	-1757.01	100.91	-4833.93	827.9	-39166.7<<	87.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	27	6714.28>>	195.23	-4206.72	138.3	-7367.2	116.0
	27	-7522.86<<	887.56	-7246.53	190.8	-31638.9	395.3
	27	1135.83	493.46	-4913.58	-813.1	5199.3>>	397.3
	27	-2062.80	458.50	-4879.45	1193.9	-39065.0<<	34.3
	28	6686.63>>	195.23	-4417.98	138.3	-12311.3	-108.7
	28	-7509.16<<	891.76	-7471.42	187.3	-40123.8	-628.2
	28	-5375.73	231.72	-2771.50	-23.5	1166.0>>	-145.6
	28	6142.64	735.97	-7749.17	389.3	-46759.5<<	-521.3
	29	6657.03>>	195.23	-4689.87	138.3	-17533.3	-333.3
	29	-7497.40<<	895.95	-7756.93	183.8	-48902.2	-1656.6
	29	-5305.60	158.92	-2731.62	75.4	-1899.9>>	-294.9
	29	6115.48	735.81	-8033.45	389.3	-55821.5<<	-1367.4

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	29	6877.93>>	11.06	-4602.95	195.2	-17573.5	-274.2
	29	-6956.93<<	90.75	-8524.93	272.4	-49236.6	-1403.2
	29	-5170.28	17.75	-2995.77	108.3	-1933.9>>	-229.5
	29	6615.17	64.30	-8288.57	523.4	-55991.6<<	-1114.4
	30	6857.06>>	11.06	-4875.51	195.2	-23006.0	-287.0
	30	-6936.06<<	94.94	-8809.78	269.0	-59221.7	-1509.9
	30	-5154.25	17.83	-3194.57	119.8	-5506.4>>	-250.4
	30	6595.15	64.21	-8575.75	509.0	-65672.1<<	-1187.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	30	6857.06>>	11.06	-4875.51	195.2	-23006.0	-287.0
	30	-6936.06<<	94.94	-8809.78	269.0	-59221.7	-1509.9
	30	-5154.25	17.83	-3194.57	119.8	-5506.4>>	-250.4
	30	6595.15	64.21	-8575.75	509.0	-65672.1<<	-1187.7
	31	6836.19>>	11.06	-5148.07	195.2	-28751.9	-299.7
	31	-6915.18<<	99.13	-9094.62	265.5	-69534.4	-1621.5
	31	-5137.56	17.83	-3395.24	119.8	-9309.7>>	-270.9
	31	6574.27	64.21	-8860.60	509.0	-75680.4<<	-1261.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	31	6343.18>>	-114.89	5504.91	-839.8	-38112.0	-745.1
	31	-6204.69<<	-243.14	9385.82	939.8	-60691.6	-1174.1
	31	-1788.97	-47.52	3560.62	105.5	-9487.1>>	-249.0
	31	2229.61	-244.64	10227.00	482.6	-75736.0<<	-1270.3
	32	6322.31>>	-114.89	5232.35	-839.8	-31920.5	-612.9
	32	-6183.82<<	-238.94	9100.97	936.3	-50079.4	-897.0
	32	-1772.27	-47.52	3359.95	105.5	-5521.9>>	-194.3
	32	2209.46	-243.30	9915.65	465.6	-64134.5<<	-986.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	32	6322.31>>	-114.89	5232.35	-839.8	-31920.5	-612.9
	32	-6183.82<<	-238.94	9100.97	936.3	-50079.4	-897.0
	32	-1772.27	-47.52	3359.95	105.5	-5521.9>>	-194.3
	32	2209.46	-243.30	9915.65	465.6	-64134.5<<	-986.0
	33	6301.44>>	-114.89	4959.79	-839.8	-26042.3	-480.8
	33	-6162.95<<	-234.75	8816.12	932.8	-39794.8	-624.6
	33	-1755.57	-47.52	3159.28	105.5	-1787.5>>	-139.7
	33	2180.58	-242.23	9163.86	238.5	-52996.8<<	-746.1

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	33	6284.82>>	-530.53	5928.06	-178.7	-29294.3	-607.3
	33	-6230.61<<	-476.92	7519.48	565.8	-37881.2	-448.0
	33	-1809.31	-142.65	2990.48	71.2	-1848.5>>	-143.3
	33	2140.81	-737.07	8732.66	181.4	-53251.4<<	-801.6
	34	6272.67>>	-530.53	5654.83	-178.7	-22613.0	3.1
	34	-6200.63<<	-472.73	7235.30	562.3	-29410.5	98.2
	34	-1784.02	-212.94	3116.06	194.0	1537.0>>	45.8
	34	2121.68	-737.00	8441.26	159.0	-43352.5<<	46.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	34	6272.67>>	-530.53	5654.83	-178.7	-22613.0	3.1
	34	-6200.63<<	-472.73	7235.30	562.3	-29410.5	98.2
	34	-1784.02	-212.94	3116.06	194.0	1537.0>>	45.8
	34	2121.68	-737.00	8441.26	159.0	-43352.5<<	46.3
	35	6258.58>>	-530.53	5442.24	-178.7	-16211.3	613.5
	35	-6172.58<<	-468.53	7011.75	558.8	-21231.9	639.6
	35	4703.86	-237.58	3387.55	410.9	5365.2>>	348.5
	35	-5984.22	-739.91	7990.96	159.2	-33926.1<<	887.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	35	6224.95>>	-49.29	4125.32	-387.9	-15144.0	322.1
	35	-6128.72<<	-11.24	7261.76	320.7	-21764.4	652.3
	35	4707.40	0.65	2912.39	99.4	5165.1>>	273.2
	35	-6002.49	-42.02	7680.22	97.3	-34178.5<<	649.4
	36	6204.08>>	-45.10	3913.40	-391.4	-10504.0	376.4
	36	-6107.85<<	-11.24	7037.55	320.7	-13560.0	665.2
	36	4693.95	2.76	2848.66	218.2	8528.9>>	268.8
	36	-5981.62	-42.02	7456.00	97.3	-25492.9<<	697.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	36	6204.08>>	-45.10	3913.40	-391.4	-10504.0	376.4
	36	-6107.85<<	-11.24	7037.55	320.7	-13560.0	665.2
	36	4693.95	2.76	2848.66	218.2	8528.9>>	268.8
	36	-5981.62	-42.02	7456.00	97.3	-25492.9<<	697.8
	37	6183.21>>	-40.91	3701.47	-394.9	-6107.8	425.8
	37	-6086.97<<	-11.24	6813.33	320.7	-5613.4	678.1
	37	4623.53	10.05	4979.80	742.7	13837.9>>	521.6
	37	-5889.24	-49.77	4476.14	-433.0	-19606.9<<	414.5

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	37	6128.12>>	72.23	3558.32	-272.6	-6202.7	402.7
	37	-6169.44<<	147.45	6237.44	84.2	-6216.1	647.4
	37	4561.75	122.10	4404.87	304.6	13526.6>>	513.1
	37	-5948.07	75.68	4320.03	-308.3	-19679.5<<	385.0
	38	6107.25>>	76.42	3346.40	-276.1	-2214.8	317.2
	38	-6148.57<<	147.45	6013.23	84.2	810.3	477.8
	38	4550.37	119.94	4331.86	420.9	18613.6>>	364.4
	38	-5927.81	75.38	4105.26	-313.3	-14852.8<<	297.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	38	6107.25>>	76.42	3346.40	-276.1	-2214.8	317.2
	38	-6148.57<<	147.45	6013.23	84.2	810.3	477.8
	38	4550.37	119.94	4331.86	420.9	18613.6>>	364.4
	38	-5927.81	75.38	4105.26	-313.3	-14852.8<<	297.8
	39	6086.37>>	80.61	3134.47	-279.5	1529.4	226.9
	39	-6127.69<<	147.45	5789.01	84.2	7579.0	308.3
	39	5029.28	139.97	5121.77	529.4	23787.3>>	231.9
	39	-5892.97	64.18	3868.60	-314.2	-10274.3<<	226.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	39	6081.76>>	69.29	2986.58	-198.1	1465.8	246.5
	39	-6123.80<<	116.18	5315.41	5.2	7074.9	328.7
	39	5064.25	91.04	4592.67	266.8	23475.8>>	279.3
	39	-5888.45	62.10	3717.41	-237.2	-10347.7<<	219.1
	40	6060.89>>	73.49	2774.65	-201.6	4796.2	164.3
	40	-6102.92<<	116.18	5091.19	5.2	13041.0	195.1
	40	5007.19	103.13	4611.86	351.1	28713.9>>	150.8
	40	-5355.14	56.51	2517.78	-263.7	-7185.0<<	130.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	40	6060.89>>	73.49	2774.65	-201.6	4796.2	164.3
	40	-6102.92<<	116.18	5091.19	5.2	13041.0	195.1
	40	5007.19	103.13	4611.86	351.1	28713.9>>	150.8
	40	-5355.14	56.51	2517.78	-263.7	-7185.0<<	130.7
	41	6040.01>>	77.68	2562.73	-205.1	7882.9	77.4
	41	-6082.05<<	116.18	4866.97	5.2	18749.2	61.5
	41	4990.39	98.06	4770.64	349.0	34314.5>>	36.8
	41	-5332.22	62.11	1910.87	-221.7	-4889.5<<	59.6

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	41	6049.65>>	36.94	2450.30	-154.8	7851.4	103.0
	41	-6055.35<<	52.06	4360.21	-63.5	18496.7	79.8
	41	5005.35	45.14	4224.33	79.5	34003.2>>	65.8
	41	-5322.36	32.76	1802.32	-155.5	-4936.6<<	72.8
	42	6028.78>>	41.13	2238.37	-158.3	10565.1	58.1
	42	-6034.48<<	52.06	4136.00	-63.5	23364.3	20.0
	42	4989.64	45.00	4024.47	116.9	38772.2>>	13.9
	42	-5301.48	32.76	1646.56	-155.5	-2971.2<<	35.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	42	6028.78>>	41.13	2238.37	-158.3	10565.1	58.1
	42	-6034.48<<	52.06	4136.00	-63.5	23364.3	20.0
	42	4989.64	45.00	4024.47	116.9	38772.2>>	13.9
	42	-5301.48	32.76	1646.56	-155.5	-2971.2<<	35.1
	43	6007.91>>	45.32	2026.45	-161.7	13035.1	8.4
	43	-6013.60<<	52.06	3911.78	-63.5	27974.1	-39.9
	43	4974.28	44.65	3880.80	220.0	43367.1>>	-37.6
	43	-5280.61	32.76	1490.81	-155.5	-1184.9<<	-2.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	43	6014.85>>	12.81	1882.72	-126.5	12956.8	30.5
	43	-5990.81<<	8.34	3440.16	-118.8	27774.8	-36.2
	43	4984.47	11.15	3334.64	-16.5	43055.3>>	-20.2
	43	-5271.54	9.94	1385.19	-109.1	-1229.5<<	5.2
	44	5993.98>>	17.00	1670.80	-130.0	15017.8	13.3
	44	-5969.94<<	8.34	3215.94	-118.8	31584.4	-45.8
	44	4968.27	11.20	3134.47	21.3	46797.7>>	-32.9
	44	-5250.67	9.94	1229.43	-109.1	256.2<<	-6.2
	45	5973.11>>	21.19	1458.87	-133.5	16835.0	-8.6
	45	-5949.07<<	8.34	2991.72	-118.8	35136.1	-55.4
	45	4952.18	11.26	2989.99	125.4	50357.5>>	-45.5
	45	-5229.80	9.94	1073.67	-109.1	1562.8<<	-17.6

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	45	5973.04>>	3.02	1320.20	-102.4	16778.5	11.1
	45	-5934.59<<	-10.26	2518.77	-165.5	34920.9	-63.4
	45	4955.51	-2.22	2380.43	-165.6	50048.5>>	-37.6
	45	-5225.42	-0.42	970.17	-74.7	1520.6<<	-14.5
	46	5952.17>>	7.21	1108.27	-105.9	18192.6	5.2
	46	-5913.72<<	-10.26	2294.56	-165.5	37670.9	-51.5
	46	5691.82	-3.15	2536.92	-33.9	52859.6>>	-38.7
	46	-5204.55	-0.42	814.42	-74.7	2529.1<<	-14.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	46	5952.17>>	7.21	1108.27	-105.9	18192.6	5.2
	46	-5913.72<<	-10.26	2294.56	-165.5	37670.9	-51.5
	46	5691.82	-3.15	2536.92	-33.9	52859.6>>	-38.7
	46	-5204.55	-0.42	814.42	-74.7	2529.1<<	-14.0
	47	5931.29>>	11.40	896.35	-109.4	19362.9	-5.5
	47	-5892.85<<	-10.26	2070.34	-165.5	40163.1	-39.7
	47	5671.23	-2.99	2408.59	97.0	55731.0>>	-35.1
	47	-5183.68	-0.42	658.66	-74.7	3358.4<<	-13.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	47	5929.51>>	-1.09	1070.87	-124.4	21804.5	11.7
	47	-5887.50<<	-9.84	1288.24	-156.6	37456.2	-51.3
	47	5671.56	-5.19	1683.20	-239.9	55364.4>>	-33.6
	47	-5182.98	-2.31	556.85	-46.2	3318.9<<	-12.6
	48	5908.64>>	3.10	858.94	-127.9	22931.8	10.5
	48	-5866.63<<	-9.84	1064.02	-156.6	38791.0	-39.9
	48	5650.74	-5.05	1565.83	-92.3	57269.3>>	-27.5
	48	-5162.11	-2.31	401.10	-46.2	3852.0<<	-10.0
	49	5887.76>>	7.29	647.02	-131.4	23815.5	4.6
	49	-5845.76<<	-9.84	839.81	-156.6	39868.1	-28.6
	49	5629.85	-4.98	1413.74	-1.8	59004.0>>	-21.7
	49	-5141.24	-2.31	245.34	-46.2	4206.0<<	-7.3

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	49	5883.16>>	-0.98	668.82	-121.3	25474.8	17.5
	49	-5846.58<<	8.35	244.55	-111.3	38203.4	-23.8
	49	5629.16	-2.39	713.99	-280.2	58636.5>>	-23.5
	49	-5142.37	-0.60	145.02	-18.6	4169.5<<	-7.0
	50	5862.29>>	3.21	456.90	-124.8	26139.8	16.2
	50	-5825.71<<	8.35	20.33	-111.3	38338.1	-33.4
	50	5608.08	-2.28	596.33	-132.2	59401.1>>	-20.7
	50	-5123.46	0.91	-185.08	-10.9	4126.1<<	-6.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	50	5862.29>>	3.21	456.90	-124.8	26139.8	16.2
	50	-5825.71<<	8.35	20.33	-111.3	38338.1	-33.4
	50	5608.08	-2.28	596.33	-132.2	59401.1>>	-20.7
	50	-5123.46	0.91	-185.08	-10.9	4126.1<<	-6.3
	51	5841.41>>	7.40	244.97	-128.3	26561.0	10.1
	51	-5804.84<<	8.35	-203.89	-111.3	38214.9	-43.0
	51	5587.12	-2.22	444.12	-41.6	60003.6>>	-18.2
	51	-5102.59	0.91	-340.83	-10.9	3806.0<<	-7.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	51	5837.49>>	2.36	130.87	-112.8	26253.5	22.8
	51	-5816.32<<	11.30	-688.43	-103.4	38275.3	-26.2
	51	5587.12	0.35	-253.27	-306.3	59629.5>>	-22.0
	51	-5105.77	2.80	-439.28	21.2	3774.4<<	-3.7
	52	5816.62>>	6.55	-81.05	-116.3	26299.8	17.6
	52	-5795.45<<	11.30	-912.65	-103.4	37337.0	-39.2
	52	1665.33	-1.99	-347.42	-206.1	59281.0>>	-24.5
	52	-2195.45	4.58	-632.07	21.3	3147.6<<	-5.3
	53	5795.75>>	10.74	-292.98	-119.7	26102.4	7.7
	53	-5774.58<<	11.30	-1136.86	-103.4	36140.8	-52.1
	53	1643.97	-1.86	-473.10	-67.7	58804.4>>	-22.4
	53	-2174.58	4.58	-787.83	21.3	2313.5<<	-10.6

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	53	5790.44>>	4.37	-425.52	-100.8	26049.7	23.9
	53	-5783.48<<	9.13	-1610.46	-78.5	35783.6	-36.2
	53	1649.11	-2.79	-1194.73	-371.9	58429.7>>	-33.0
	53	-2179.35	4.19	-884.89	61.8	2286.9<<	-2.1
	54	5769.56>>	8.56	-637.45	-104.3	25456.2	16.5
	54	-5762.61<<	9.13	-1834.67	-78.5	33785.0	-46.7
	54	1627.51	-2.66	-1312.10	-222.9	56985.3>>	-30.0
	54	-2158.47	4.19	-1040.65	61.8	1162.0<<	-7.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	54	5769.56>>	8.56	-637.45	-104.3	25456.2	16.5
	54	-5762.61<<	9.13	-1834.67	-78.5	33785.0	-46.7
	54	1627.51	-2.66	-1312.10	-222.9	56985.3>>	-30.0
	54	-2158.47	4.19	-1040.65	61.8	1162.0<<	-7.0
	55	5748.69>>	12.76	-849.38	-107.7	24619.0	4.2
	55	-5741.74<<	9.13	-2058.89	-78.5	31528.5	-57.2
	55	1606.08	-2.59	-1509.75	-175.1	55380.1>>	-27.1
	55	-2137.60	4.19	-1196.40	61.8	-141.9<<	-11.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	55	5742.73>>	3.30	-938.61	-80.9	17185.6	24.1
	55	-5745.09<<	-4.41	-2560.12	-34.4	38733.5	-42.0
	55	1614.91	-11.29	-2156.55	-383.0	54999.3>>	-38.7
	55	-2141.44	-0.95	-1292.21	113.7	-162.3<<	-2.5
	56	5721.86>>	7.49	-1150.53	-84.4	16002.0	18.0
	56	-5724.22<<	-4.41	-2784.34	-34.4	35642.7	-36.9
	56	1592.87	-11.18	-2273.46	-234.2	52424.6>>	-26.0
	56	-2120.56	-0.95	-1447.97	113.7	-1755.6<<	-1.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	56	5721.86>>	7.49	-1150.53	-84.4	16002.0	18.0
	56	-5724.22<<	-4.41	-2784.34	-34.4	35642.7	-36.9
	56	1592.87	-11.18	-2273.46	-234.2	52424.6>>	-26.0
	56	-2120.56	-0.95	-1447.97	113.7	-1755.6<<	-1.3
	57	5700.99>>	11.68	-1362.46	-87.9	14574.7	6.9
	57	-5703.35<<	-4.41	-3008.56	-34.4	32294.1	-31.9
	57	1571.10	-11.12	-2470.94	-186.5	49705.8>>	-13.4
	57	-2099.69	-0.95	-1603.72	113.7	-3528.0<<	-0.3

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	57	5699.01>>	-7.54	-1506.93	-59.7	14612.2	24.8
	57	-5696.50<<	-35.47	-3465.19	36.8	32125.3	-18.5
	57	1587.61	-32.77	-3190.08	-484.1	49308.8>>	-26.3
	57	-2089.11	-12.65	-1698.33	183.2	-3540.0<<	9.1
	58	5678.13>>	-3.35	-1718.86	-63.2	12775.0	31.1
	58	-5675.63<<	-35.47	-3689.41	36.8	27993.7	22.2
	58	1566.38	-32.93	-3311.79	-345.3	45623.1>>	11.5
	58	-2078.24	-12.65	-1854.09	183.2	-5600.3<<	23.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	58	5678.13>>	-3.35	-1718.86	-63.2	12775.0	31.1
	58	-5675.63<<	-35.47	-3689.41	36.8	27993.7	22.2
	58	1566.38	-32.93	-3311.79	-345.3	45623.1>>	11.5
	58	-2078.24	-12.65	-1854.09	183.2	-5600.3<<	23.7
	59	5657.26>>	0.84	-1930.78	-66.6	10694.1	32.6
	59	-5654.76<<	-35.47	-3913.63	36.8	23604.3	63.0
	59	1544.88	-33.01	-3454.97	-245.7	41785.2>>	49.4
	59	-2057.37	-12.65	-2009.84	183.2	-7839.8<<	38.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	59	5659.45>>	-16.93	-2057.91	-29.9	10649.3	46.8
	59	-5634.13<<	-80.78	-4378.74	126.2	23201.9	70.1
	59	869.03	-60.92	-3825.26	-404.9	41390.8>>	27.3
	59	-2052.24	-28.95	-2103.51	276.0	-7840.7<<	46.1
	60	5638.58>>	-12.73	-2269.84	-33.4	8178.6	63.8
	60	-5613.26<<	-80.78	-4602.96	126.2	18019.7	163.0
	60	850.48	-61.64	-3964.27	-294.9	36940.6>>	98.8
	60	-2031.37	-28.95	-2259.27	276.0	-10367.0<<	79.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	60	5638.58>>	-12.73	-2269.84	-33.4	8178.6	63.8
	60	-5613.26<<	-80.78	-4602.96	126.2	18019.7	163.0
	60	850.48	-61.64	-3964.27	-294.9	36940.6>>	98.8
	60	-2031.37	-28.95	-2259.27	276.0	-10367.0<<	79.3
	61	5617.71>>	-8.54	-2481.77	-36.8	5464.1	76.1
	61	-5592.39<<	-80.78	-4827.17	126.2	12579.7	255.9
	61	833.12	-62.09	-4120.65	-216.0	32327.6>>	171.0
	61	-2010.49	-28.95	-2415.03	276.0	-13072.4<<	112.6

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	61	5639.99>>	-46.63	-2612.79	4.5	5433.8	64.4
	61	-5585.53<<	-92.39	-5282.50	248.1	12169.3	279.3
	61	863.68	-92.84	-4692.01	-420.5	31988.0>>	150.8
	61	-2004.56	-38.97	-2508.48	400.0	-13058.6<<	118.2
	62	5619.12>>	-46.63	-2824.71	4.5	2324.9	118.0
	62	-5564.66<<	-88.20	-5506.72	244.7	5947.7	383.1
	62	846.32	-93.95	-4852.23	-350.2	26535.9>>	260.9
	62	-1983.68	-38.97	-2664.24	400.0	-16050.6<<	163.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	62	5619.12>>	-46.63	-2824.71	4.5	2324.9	118.0
	62	-5564.66<<	-88.20	-5506.72	244.7	5947.7	383.1
	62	846.32	-93.95	-4852.23	-350.2	26535.9>>	260.9
	62	-1983.68	-38.97	-2664.24	400.0	-16050.6<<	163.0
	63	5598.25>>	-46.63	-3036.64	4.5	-1027.7	171.7
	63	-5543.79<<	-84.01	-5730.93	241.2	-531.6	482.1
	63	1373.03	-78.52	-3866.79	-245.8	21896.2>>	335.4
	63	-1515.19	-55.26	-4009.95	412.9	-20409.5<<	247.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	63	5616.62>>	-37.98	-3161.18	51.6	-1067.4	139.9
	63	-5570.25<<	-49.62	-6177.13	410.9	-657.2	534.1
	63	1378.10	-66.63	-4399.77	-481.6	21555.1>>	336.5
	63	-1514.46	-31.01	-4135.83	595.4	-20384.3<<	241.0
	64	5595.74>>	-37.98	-3373.11	51.6	-4807.0	183.6
	64	-5549.37<<	-45.43	-6401.35	407.4	-7907.5	588.8
	64	1360.35	-68.09	-4503.06	-413.2	16472.8>>	421.3
	64	-1493.59	-31.01	-4347.75	595.4	-25280.0<<	276.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	64	5595.74>>	-37.98	-3373.11	51.6	-4807.0	183.6
	64	-5549.37<<	-45.43	-6401.35	407.4	-7907.5	588.8
	64	1360.35	-68.09	-4503.06	-413.2	16472.8>>	421.3
	64	-1493.59	-31.01	-4347.75	595.4	-25280.0<<	276.7
	65	5574.87>>	-37.98	-3585.03	51.6	-8790.2	227.3
	65	-5528.50<<	-41.24	-6625.57	403.9	-15415.7	638.6
	65	1339.54	-68.46	-4579.01	-298.8	11300.2>>	509.3
	65	-1472.71	-31.01	-4559.68	595.4	-30419.5<<	312.3

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	65	5564.74>>	26.08	-3708.55	106.8	-8826.2	203.0
	65	-5661.28<<	198.02	-7083.67	593.2	-15078.0	731.3
	65	1276.66	74.96	-5109.88	-575.4	10945.2>>	524.8
	65	-1524.10	97.22	-4685.21	841.8	-30366.0<<	317.1
	66	5543.87>>	26.08	-3920.48	106.8	-13195.2	173.0
	66	-5640.41<<	202.21	-7307.89	589.7	-23370.8	501.1
	66	1250.93	80.05	-5189.80	-466.8	5055.8>>	434.7
	66	-1501.85	97.16	-4897.14	841.8	-35893.5<<	205.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	66	5543.87>>	26.08	-3920.48	106.8	-13195.2	173.0
	66	-5640.41<<	202.21	-7307.89	589.7	-23370.8	501.1
	66	1250.93	80.05	-5189.80	-466.8	5055.8>>	434.7
	66	-1501.85	97.16	-4897.14	841.8	-35893.5<<	205.5
	67	5523.00>>	26.08	-4132.40	106.8	-17807.9	143.0
	67	-5619.54<<	206.40	-7532.11	586.3	-31921.5	266.2
	67	1297.41	51.62	-3215.62	80.0	1255.0>>	143.8
	67	-1569.84	138.80	-7671.71	306.2	-44384.6<<	323.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	67	5316.38>>	209.82	-4426.78	174.5	-17839.9	114.5
	67	-6219.28<<	891.60	-8143.67	265.0	-31445.1	384.3
	67	1071.35	272.05	-3486.82	-42.5	1066.7>>	158.0
	67	-2090.46	748.51	-8055.14	428.5	-44533.9<<	308.2
	68	5288.73>>	209.82	-4638.04	174.5	-23037.1	-126.9
	68	-6205.58<<	895.80	-8368.56	261.5	-40962.1	-643.9
	68	-4227.53	229.76	-3256.54	118.3	-2777.6>>	-155.5
	68	4601.54	751.28	-8526.84	434.5	-54127.2<<	-555.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	68	5288.73>>	209.82	-4638.04	174.5	-23037.1	-126.9
	68	-6205.58<<	895.80	-8368.56	261.5	-40962.1	-643.9
	68	-4227.53	229.76	-3256.54	118.3	-2777.6>>	-155.5
	68	4601.54	751.28	-8526.84	434.5	-54127.2<<	-555.6
	69	5259.13>>	209.82	-4909.93	174.5	-28512.4	-368.3
	69	-6193.82<<	899.99	-8654.08	258.1	-50772.9	-1676.9
	69	-4155.64	157.43	-3286.26	117.3	-6475.0>>	-285.4
	69	4571.56	751.28	-8811.03	434.5	-64083.9<<	-1420.0

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	69	5473.45>>	21.54	-4866.60	233.9	-28552.1	-276.8
	69	-5623.52<<	87.58	-9373.33	365.0	-51038.7	-1414.8
	69	-4001.36	15.13	-3511.54	160.0	-6504.2>>	-220.1
	69	5091.83	68.37	-9112.31	580.0	-64250.7<<	-1139.7
	70	5452.58>>	21.54	-5139.16	233.9	-34287.7	-301.6
	70	-5602.65<<	91.78	-9658.18	361.5	-61999.5	-1518.0
	70	-3984.66	15.13	-3712.21	160.0	-10672.0>>	-237.5
	70	5070.96	68.37	-9397.16	580.0	-74876.0<<	-1218.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	70	5452.58>>	21.54	-5139.16	233.9	-34287.7	-301.6
	70	-5602.65<<	91.78	-9658.18	361.5	-61999.5	-1518.0
	70	-3984.66	15.13	-3712.21	160.0	-10672.0>>	-237.5
	70	5070.96	68.37	-9397.16	580.0	-74876.0<<	-1218.3
	71	5431.70>>	21.54	-5411.72	233.9	-40336.8	-326.3
	71	-5581.78<<	95.97	-9943.03	358.0	-73287.8	-1625.9
	71	-3967.97	15.13	-3912.88	160.0	-15070.6>>	-254.9
	71	5050.09	68.37	-9682.01	580.0	-85828.8<<	-1296.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	71	4862.62>>	-55.45	5474.32	213.4	-39260.3	-294.0
	71	-4799.37<<	-303.73	10126.91	11.2	-74881.8	-1642.2
	71	-1506.91	-46.51	3842.42	146.7	-15303.6>>	-243.3
	71	1901.87	-248.54	10626.18	554.2	-85811.6<<	-1284.0
	72	4841.74>>	-55.45	5201.76	213.4	-33103.9	-230.2
	72	-4778.50<<	-299.54	9842.06	7.8	-63417.3	-1295.4
	72	-1490.21	-46.51	3641.75	146.7	-11014.3>>	-189.9
	72	1872.29	-244.80	9877.45	363.1	-74237.5<<	-1018.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	72	4841.74>>	-55.45	5201.76	213.4	-33103.9	-230.2
	72	-4778.50<<	-299.54	9842.06	7.8	-63417.3	-1295.4
	72	-1490.21	-46.51	3641.75	146.7	-11014.3>>	-189.9
	72	1872.29	-244.80	9877.45	363.1	-74237.5<<	-1018.1
	73	4820.87>>	-55.45	4929.20	213.4	-27260.9	-166.4
	73	-4757.63<<	-295.34	9557.21	4.3	-52280.4	-953.3
	73	-1470.42	-46.77	3446.39	168.1	-6953.3>>	-137.0
	73	1847.55	-244.48	9585.96	336.3	-63027.6<<	-735.9

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	73	4742.08>>	-400.46	6021.58	233.7	-35014.7	-407.9
	73	-4784.23<<	-603.73	8101.07	210.9	-45704.5	-661.2
	73	-1536.33	-140.35	3283.20	123.4	-7017.6>>	-134.3
	73	1793.39	-731.42	9139.68	255.5	-63293.1<<	-792.5
	74	4729.93>>	-400.46	5748.35	233.7	-28225.9	53.3
	74	-4754.24<<	-599.54	7816.89	207.5	-36564.6	30.9
	74	-1513.68	-210.31	3419.51	234.9	-3178.6>>	53.0
	74	1781.63	-731.42	8854.16	255.5	-52923.7<<	49.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	74	4729.93>>	-400.46	5748.35	233.7	-28225.9	53.3
	74	-4754.24<<	-599.54	7816.89	207.5	-36564.6	30.9
	74	-1513.68	-210.31	3419.51	234.9	-3178.6>>	53.0
	74	1781.63	-731.42	8854.16	255.5	-52923.7<<	49.0
	75	4715.83>>	-400.46	5535.76	233.7	-21716.5	514.0
	75	-4726.20<<	-595.34	7593.34	204.0	-27716.9	718.2
	75	3608.51	-237.14	3624.02	444.9	921.7>>	346.8
	75	-4619.46	-731.74	8456.18	254.4	-42888.3<<	891.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	75	4722.57>>	14.05	4142.64	96.0	-16544.3	239.5
	75	-4694.21<<	-79.98	7938.67	-90.4	-32245.0	716.9
	75	3622.11	1.18	3205.09	164.6	718.7>>	271.1
	75	-4617.21	-40.74	8097.29	171.5	-43149.0<<	648.3
	76	4701.70>>	14.05	3930.71	96.0	-11884.4	223.3
	76	-4673.34<<	-75.79	7714.45	-93.9	-23262.1	806.5
	76	3550.90	9.72	5296.03	661.5	4739.1>>	541.9
	76	-4527.47	-49.54	5149.77	-350.3	-34399.8<<	352.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	76	4701.70>>	14.05	3930.71	96.0	-11884.4	223.3
	76	-4673.34<<	-75.79	7714.45	-93.9	-23262.1	806.5
	76	3550.90	9.72	5296.03	661.5	4739.1>>	541.9
	76	-4527.47	-49.54	5149.77	-350.3	-34399.8<<	352.1
	77	4680.83>>	14.05	3718.78	96.0	-7468.2	207.1
	77	-4652.47<<	-71.60	7490.24	-97.4	-14537.2	891.2
	77	3537.99	10.94	5214.31	765.7	10836.2>>	521.4
	77	-4507.24	-49.76	4935.35	-355.3	-28618.0<<	409.2

LAV SANT BOI EIU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	77	4649.16>>	40.68	3564.37	58.1	-7514.3	218.0
	77	-4754.70<<	174.01	6923.60	-188.6	-15210.8	819.1
	77	3479.37	120.83	4728.29	435.4	10531.1>>	504.2
	77	-4562.13	72.87	4777.85	-247.1	-28695.3<<	375.3
	78	4628.29>>	44.87	3352.44	54.7	-3519.4	168.8
	78	-4733.83<<	174.01	6699.38	-188.6	-7395.2	619.0
	78	3464.46	119.28	4623.85	504.1	15890.4>>	359.8
	78	-4541.14	72.76	4564.79	-248.3	-23340.6<<	291.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	78	4628.29>>	44.87	3352.44	54.7	-3519.4	168.8
	78	-4733.83<<	174.01	6699.38	-188.6	-7395.2	619.0
	78	3464.46	119.28	4623.85	504.1	15890.4>>	359.8
	78	-4541.14	72.76	4564.79	-248.3	-23340.6<<	291.5
	79	4607.42>>	49.06	3140.52	51.2	231.7	114.8
	79	-4712.96<<	174.01	6475.16	-188.6	162.5	418.9
	79	3450.12	118.33	4478.31	535.0	21146.3>>	220.7
	79	-4520.27	72.76	4352.86	-248.3	-18230.7<<	207.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	79	4605.42>>	36.23	3027.16	17.4	140.6	131.1
	79	-4708.63<<	145.31	5965.60	-164.5	-335.2	435.3
	79	3450.65	90.12	3993.33	272.6	20857.9>>	247.8
	79	-4520.29	67.26	4199.88	-184.1	-18307.6<<	212.1
	80	4584.54>>	40.42	2815.23	14.0	3517.7	87.1
	80	-4687.76<<	145.31	5741.38	-164.5	6378.6	268.2
	80	3769.19	99.31	5198.98	331.6	26030.1>>	151.8
	80	-4132.00	58.94	2548.35	-171.0	-14175.0<<	125.5
	81	4563.67>>	44.61	2603.31	10.5	6651.0	38.1
	81	-4666.89<<	145.31	5517.16	-164.5	12834.6	101.0
	81	3753.96	98.72	4996.74	363.1	31913.3>>	37.3
	81	-4111.13	58.94	2392.60	-171.0	-11351.7<<	57.7

LAV SANT BOI EIU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	81	4567.43>>	19.18	2461.11	-15.7	8574.4	58.0
	81	-4631.16<<	66.62	5038.20	-167.4	12623.0	118.2
	81	3769.06	45.69	4471.43	127.9	31603.4>>	67.6
	81	-4099.39	30.25	2282.86	-115.3	-11401.7<<	66.5
	82	4546.55>>	23.38	2249.18	-19.2	9300.5	33.6
	82	-4610.28<<	66.62	4813.98	-167.4	18270.3	41.6
	82	3752.87	45.47	4308.39	198.9	36632.7>>	14.9
	82	-4078.52	30.25	2127.11	-115.3	-8883.7<<	31.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	82	4546.55>>	23.38	2249.18	-19.2	9300.5	33.6
	82	-4610.28<<	66.62	4813.98	-167.4	18270.3	41.6
	82	3752.87	45.47	4308.39	198.9	36632.7>>	14.9
	82	-4078.52	30.25	2127.11	-115.3	-8883.7<<	31.8
	83	4525.68>>	27.57	2037.25	-22.6	11782.9	4.2
	83	-4589.41<<	66.62	4589.76	-167.4	23659.7	-35.0
	83	4340.22	51.11	4527.45	293.4	41924.8>>	-40.9
	83	-4057.16	30.18	1971.30	-113.9	-6544.8<<	-3.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	83	4526.63>>	7.77	1698.81	-37.2	11722.2	23.6
	83	-4557.35<<	10.49	4110.96	-182.7	23438.9	-35.3
	83	4351.63	12.95	3878.97	1.4	41551.3>>	-20.6
	83	-4046.33	7.96	1864.48	-76.9	-6592.2<<	0.6
	84	4505.76>>	11.96	1686.88	-40.6	13801.7	12.3
	84	-4536.48<<	10.49	3886.74	-182.7	28019.9	-47.3
	84	4331.35	13.01	3681.68	48.6	45927.3>>	-35.3
	84	-4025.46	7.96	1708.73	-76.9	-4555.3<<	-8.5
	85	4484.89>>	16.15	1474.96	-44.1	15637.5	-3.9
	85	-4515.61<<	10.49	3662.53	-182.7	32343.1	-59.4
	85	4311.19	13.08	3553.92	170.8	50135.9>>	-50.0
	85	-4004.59	7.96	1552.97	-76.9	-2697.5<<	-17.7

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	85	4484.66>>	-3.16	1763.64	-109.0	14287.4	5.1
	85	-4497.02<<	-8.17	2766.85	-141.9	33322.8	-64.4
	85	4314.44	-2.08	2825.96	-183.0	49764.3>>	-40.0
	85	-3998.35	-2.12	1448.27	-50.6	-2742.2<<	-18.5
	86	4463.79>>	1.03	1551.71	-112.5	16211.4	6.3
	86	-4476.15<<	-8.17	2542.64	-141.9	36358.0	-55.0
	86	4294.53	-2.11	2709.06	-35.8	53005.2>>	-37.3
	86	-3977.48	-2.12	1292.51	-50.6	-1184.0<<	-16.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	86	4463.79>>	1.03	1551.71	-112.5	16211.4	6.3
	86	-4476.15<<	-8.17	2542.64	-141.9	36358.0	-55.0
	86	4294.53	-2.11	2709.06	-35.8	53005.2>>	-37.3
	86	-3977.48	-2.12	1292.51	-50.6	-1184.0<<	-16.0
	87	4442.91>>	5.22	1339.79	-116.0	17891.7	2.7
	87	-4455.27<<	-8.17	2318.42	-141.9	39135.5	-45.6
	87	4273.91	-1.96	2580.70	95.1	56073.1>>	-34.9
	87	-3956.61	-2.12	1136.76	-50.6	195.2<<	-13.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	87	4446.33>>	-4.91	1201.42	-102.1	17851.5	7.0
	87	-4448.07<<	-12.07	1844.43	-170.9	38922.9	-55.6
	87	4273.06	-4.17	1854.86	-243.9	55705.5>>	-31.1
	87	-3953.96	-3.95	1033.76	-29.4	153.2<<	-16.6
	88	4425.46>>	-0.72	989.50	-105.6	19129.0	10.3
	88	-4427.20<<	-12.07	1620.21	-170.9	40897.5	-41.7
	88	4252.21	-4.03	1737.50	-96.2	57805.7>>	-26.2
	88	-3933.08	-3.95	878.01	-29.4	1234.8<<	-12.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	88	4425.46>>	-0.72	989.50	-105.6	19129.0	10.3
	88	-4427.20<<	-12.07	1620.21	-170.9	40897.5	-41.7
	88	4252.21	-4.03	1737.50	-96.2	57805.7>>	-26.2
	88	-3933.08	-3.95	878.01	-29.4	1234.8<<	-12.0
	89	4404.59>>	3.47	777.57	-109.1	20162.7	8.7
	89	-4406.33<<	-12.07	1395.99	-170.9	42614.1	-27.8
	89	4231.30	-3.96	1585.43	-5.8	59736.2>>	-21.6
	89	-3912.21	-3.95	722.25	-29.4	2137.3<<	-7.5

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	89	4406.73>>	-5.32	778.98	-104.3	28285.0	10.8
	89	-4410.24<<	6.54	818.43	-129.0	34486.8	-26.2
	89	4229.44	-1.39	885.27	-286.2	59366.8>>	-21.0
	89	-3911.35	-2.26	620.76	-8.6	2098.4<<	-11.0
	90	4385.86>>	-1.13	567.05	-107.8	29076.7	14.6
	90	-4389.37<<	6.54	594.21	-129.0	35281.3	-33.7
	90	4208.34	-1.27	767.71	-138.3	60325.4>>	-19.5
	90	-3890.47	-2.26	465.00	-8.6	2705.1<<	-8.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	90	4385.86>>	-1.13	567.05	-107.8	29076.7	14.6
	90	-4389.37<<	6.54	594.21	-129.0	35281.3	-33.7
	90	4208.34	-1.27	767.71	-138.3	60325.4>>	-19.5
	90	-3890.47	-2.26	465.00	-8.6	2705.1<<	-8.4
	91	4364.99>>	3.06	355.12	-111.3	29624.6	13.4
	91	-4368.50<<	6.54	369.99	-129.0	35818.1	-41.2
	91	4187.35	-1.22	615.58	-47.6	61123.0>>	-18.1
	91	-3869.79	-2.07	247.32	-10.9	3114.8<<	-6.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	91	4368.56>>	-6.59	519.77	-108.4	25824.5	10.0
	91	-4380.16<<	14.08	-395.06	-116.9	39367.7	-22.2
	91	4186.18	1.35	-82.17	-314.3	60747.0>>	-19.6
	91	-3869.57	-0.16	147.46	14.3	3079.6<<	-8.8
	92	4347.69>>	-2.40	307.85	-111.9	26318.1	15.2
	92	-4359.29<<	14.08	-619.28	-116.9	38766.7	-38.4
	92	4165.13	1.41	-226.21	-214.0	60573.8>>	-21.2
	92	-3850.37	0.89	-132.48	21.9	3009.4<<	-8.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	92	4347.69>>	-2.40	307.85	-111.9	26318.1	15.2
	92	-4359.29<<	14.08	-619.28	-116.9	38766.7	-38.4
	92	4165.13	1.41	-226.21	-214.0	60573.8>>	-21.2
	92	-3850.37	0.89	-132.48	21.9	3009.4<<	-8.9
	93	4326.82>>	1.79	95.92	-115.3	26567.9	15.6
	93	-4338.41<<	14.08	-843.49	-116.9	37908.0	-54.6
	93	1434.39	1.85	-307.34	-75.5	60272.9>>	-24.5
	93	-1822.57	0.66	-321.09	21.9	2720.7<<	-8.9

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	93	4332.15>>	-4.62	-37.50	-100.4	26514.6	11.8
	93	-4350.66<<	11.92	-1317.62	-96.5	37548.6	-32.4
	93	1435.15	0.94	-1029.37	-381.7	59897.4>>	-26.7
	93	-1822.74	0.26	-419.34	56.7	2692.1<<	-9.2
	94	4311.28>>	-0.43	-249.42	-103.8	26367.3	14.7
	94	-4329.78<<	11.92	-1541.83	-96.5	35886.8	-46.1
	94	1413.53	1.07	-1146.51	-232.6	58640.4>>	-27.9
	94	-1801.87	0.26	-575.10	56.7	2102.6<<	-9.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	94	4311.28>>	-0.43	-249.42	-103.8	26367.3	14.7
	94	-4329.78<<	11.92	-1541.83	-96.5	35886.8	-46.1
	94	1413.53	1.07	-1146.51	-232.6	58640.4>>	-27.9
	94	-1801.87	0.26	-575.10	56.7	2102.6<<	-9.5
	95	4290.40>>	3.76	-461.35	-107.3	25976.2	12.8
	95	-4308.91<<	11.92	-1766.05	-96.5	33967.0	-59.8
	95	1392.10	1.14	-1344.07	-184.9	57224.6>>	-29.4
	95	-1781.00	0.26	-730.86	56.7	1334.0<<	-9.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	95	4295.09>>	-5.69	-593.04	-87.6	25925.4	12.9
	95	-4315.58<<	-1.69	-2226.57	-53.7	33786.3	-38.5
	95	1396.49	-7.49	-1991.09	-394.7	56841.5>>	-32.6
	95	-1779.38	-4.94	-827.85	103.6	1311.8<<	-9.1
	96	4274.22>>	-1.50	-804.96	-91.1	25139.3	17.0
	96	-4294.71<<	-1.69	-2450.79	-53.7	31079.1	-36.5
	96	1374.42	-7.38	-2107.70	-245.9	54455.1>>	-24.4
	96	-1758.51	-4.94	-983.61	103.6	252.4<<	-3.4
	97	4253.34>>	2.69	-1016.89	-94.6	24109.4	16.3
	97	-4273.84<<	-1.69	-2675.01	-53.7	28114.1	-34.6
	97	1352.63	-7.32	-2305.06	-198.2	51926.2>>	-16.1
	97	-1738.19	-5.00	-1139.37	103.6	-985.9<<	2.3

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	97	4258.65>>	-11.46	-1115.67	-72.5	23881.8	19.7
	97	-4270.40<<	-32.16	-3174.99	9.7	27907.9	-14.6
	97	1364.69	-28.80	-3024.60	-497.7	51528.5>>	-20.7
	97	-1732.91	-16.84	-1235.19	167.5	-999.8<<	2.9
	98	4237.78>>	-7.26	-1327.60	-75.9	22494.5	30.5
	98	-4249.53<<	-32.16	-3399.21	9.7	24110.0	22.3
	98	1342.09	-28.91	-3145.98	-359.0	48032.1>>	12.4
	98	-1712.04	-16.84	-1390.95	167.5	-2527.5<<	22.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	98	4237.78>>	-7.26	-1327.60	-75.9	22494.5	30.5
	98	-4249.53<<	-32.16	-3399.21	9.7	24110.0	22.3
	98	1342.09	-28.91	-3145.98	-359.0	48032.1>>	12.4
	98	-1712.04	-16.84	-1390.95	167.5	-2527.5<<	22.3
	99	4216.91>>	-3.07	-1539.52	-79.4	20863.6	36.4
	99	-4228.66<<	-32.16	-3623.42	9.7	20054.3	59.3
	99	1320.56	-28.99	-3288.94	-259.3	44384.5>>	45.7
	99	-1691.18	-16.75	-1546.71	167.5	-4234.4<<	41.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	99	4223.78>>	-21.13	-1669.25	-52.4	20827.9	42.0
	99	-4211.80<<	-77.32	-4076.19	106.1	19883.3	73.3
	99	1341.93	-64.32	-3977.85	-516.2	43982.1>>	37.8
	99	-1683.27	-33.04	-1641.66	254.5	-4237.2<<	40.8
	100	4202.91>>	-16.94	-1881.18	-55.9	18804.1	63.9
	100	-4190.93<<	-77.32	-4300.41	106.1	15049.1	162.1
	100	1318.67	-65.22	-4098.24	-378.7	39374.5>>	113.5
	100	-1662.40	-33.04	-1797.42	254.5	-6232.3<<	78.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	100	4202.91>>	-16.94	-1881.18	-55.9	18804.1	63.9
	100	-4190.93<<	-77.32	-4300.41	106.1	15049.1	162.1
	100	1318.67	-65.22	-4098.24	-378.7	39374.5>>	113.5
	100	-1662.40	-33.04	-1797.42	254.5	-6232.3<<	78.8
	101	4182.04>>	-12.75	-2093.10	-59.4	16536.5	81.0
	101	-4170.06<<	-77.32	-4524.62	106.1	9957.1	251.1
	101	767.72	-58.42	-3904.48	-229.1	34932.3>>	166.6
	101	-1639.67	-33.24	-1953.17	254.5	-8406.6<<	117.2

LAV SANT BOI EIU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	101	4207.45>>	-49.67	-2219.59	-24.5	16503.2	61.1
	101	-4165.47<<	-89.99	-4986.17	224.3	9550.8	280.9
	101	794.27	-89.01	-4476.34	-436.7	34592.1>>	153.6
	101	-1631.21	-43.15	-2048.03	372.3	-8394.7<<	114.3
	102	4186.58>>	-49.67	-2431.52	-24.5	13846.5	118.2
	102	-4144.59<<	-85.80	-5210.39	220.9	3670.1	382.0
	102	776.87	-90.12	-4636.35	-366.5	29389.1>>	259.3
	102	-1608.26	-43.35	-2203.79	372.3	-10857.2<<	164.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	102	4186.58>>	-49.67	-2431.52	-24.5	13846.5	118.2
	102	-4144.59<<	-85.80	-5210.39	220.9	3670.1	382.0
	102	776.87	-90.12	-4636.35	-366.5	29389.1>>	259.3
	102	-1608.26	-43.35	-2203.79	372.3	-10857.2<<	164.1
	103	4165.71>>	-49.67	-2643.45	-24.5	10946.0	175.3
	103	-4123.72<<	-81.61	-5434.60	217.4	-2468.4	478.3
	103	785.81	-100.54	-4333.11	-256.0	24446.7>>	386.4
	103	-1622.67	-32.88	-2904.84	378.6	-14022.2<<	195.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	103	4187.50>>	-40.99	-2769.51	15.6	10904.1	137.2
	103	-4152.83<<	-47.30	-5881.48	382.7	-2595.6	535.2
	103	806.77	-87.01	-4899.86	-485.3	24094.4>>	358.8
	103	-1640.73	-10.05	-2998.86	544.9	-13987.9<<	218.4
	104	4166.63>>	-40.99	-2981.44	15.6	7615.0	184.3
	104	-4131.96<<	-43.11	-6105.70	379.2	-9505.9	587.2
	104	1115.98	-71.54	-4148.85	-429.7	19174.8>>	420.3
	104	-1241.48	-27.27	-4076.24	558.2	-18466.0<<	277.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	104	4166.63>>	-40.99	-2981.44	15.6	7615.0	184.3
	104	-4131.96<<	-43.11	-6105.70	379.2	-9505.9	587.2
	104	1115.98	-71.54	-4148.85	-429.7	19174.8>>	420.3
	104	-1241.48	-27.27	-4076.24	558.2	-18466.0<<	277.4
	105	4145.75>>	-40.99	-3193.36	15.6	4082.2	231.4
	105	-4111.09<<	-38.92	-6329.91	375.7	-16674.0	634.3
	105	1091.35	-71.43	-4223.24	-311.4	14414.9>>	511.4
	105	-1219.90	-27.43	-4289.64	553.3	-23294.7<<	308.8

LAV SANT BOI EIU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	105	4138.65>>	22.96	-3317.98	63.8	4043.4	201.4
	105	-4246.34<<	199.69	-6789.69	558.7	-16347.1	732.1
	105	1036.12	71.28	-4755.66	-596.6	14059.6>>	520.2
	105	-1276.68	100.80	-4415.41	797.9	-23242.9<<	322.4
	106	4117.78>>	22.96	-3529.90	63.8	123.6	175.0
	106	-4225.46<<	203.88	-7013.90	555.2	-24301.9	500.0
	106	1080.61	43.10	-2761.05	-64.1	8759.2>>	212.7
	106	-1346.97	142.71	-7220.01	267.9	-28681.0<<	483.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	106	4117.78>>	22.96	-3529.90	63.8	123.6	175.0
	106	-4225.46<<	203.88	-7013.90	555.2	-24301.9	500.0
	106	1080.61	43.10	-2761.05	-64.1	8759.2>>	212.7
	106	-1346.97	142.71	-7220.01	267.9	-28681.0<<	483.0
	107	4096.91>>	22.96	-3741.83	63.8	-4040.0	148.6
	107	-4204.59<<	208.07	-7238.12	551.8	-32514.5	263.1
	107	1052.77	47.96	-2824.12	70.6	5587.7>>	149.2
	107	-1321.36	142.73	-7447.52	249.4	-37131.3<<	317.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	107	3905.39>>	203.54	-3943.63	115.7	-3802.4	118.8
	107	-4798.00<<	892.78	-7946.95	228.4	-32335.2	389.0
	107	849.74	266.44	-3091.85	-75.3	5402.3>>	157.8
	107	-1845.71	752.95	-7837.07	386.9	-37284.5<<	315.9
	108	3877.74>>	203.54	-4154.89	115.7	-8443.7	-115.4
	108	-4784.30<<	896.97	-8171.83	224.9	-41625.9	-640.5
	108	-3049.56	153.03	-2731.13	84.1	2086.3>>	-98.8
	108	3173.70	753.09	-8253.09	388.3	-46615.4<<	-550.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	108	3877.74>>	203.54	-4154.89	115.7	-8443.7	-115.4
	108	-4784.30<<	896.97	-8171.83	224.9	-41625.9	-640.5
	108	-3049.56	153.03	-2731.13	84.1	2086.3>>	-98.8
	108	3173.70	753.09	-8253.09	388.3	-46615.4<<	-550.4
	109	3848.14>>	203.54	-4426.78	115.7	-13363.0	-349.6
	109	-4772.55<<	901.17	-8457.35	221.4	-51210.3	-1674.9
	109	-3039.28	153.03	-2932.34	84.1	-1186.0>>	-274.9
	109	3143.71	753.09	-8537.27	388.3	-56257.1<<	-1416.9

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	109	4052.06>>	21.07	-4478.91	174.5	-13790.3	-273.3
	109	-4210.15<<	89.22	-9082.55	315.3	-51074.9	-1414.7
	109	-2892.70	13.11	-3123.34	119.8	-1217.2>>	-221.5
	109	3654.18	71.66	-8884.74	538.2	-56423.2<<	-1140.7
	110	4031.19>>	21.07	-4751.47	174.5	-19080.1	-297.5
	110	-4189.27<<	93.42	-9367.40	311.8	-61701.3	-1519.8
	110	-2876.00	13.11	-3324.01	119.8	-4938.6>>	-236.5
	110	3633.31	71.66	-9169.59	538.2	-66786.7<<	-1223.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	110	4031.19>>	21.07	-4751.47	174.5	-19080.1	-297.5
	110	-4189.27<<	93.42	-9367.40	311.8	-61701.3	-1519.8
	110	-2876.00	13.11	-3324.01	119.8	-4938.6>>	-236.5
	110	3633.31	71.66	-9169.59	538.2	-66786.7<<	-1223.2
	111	4010.32>>	21.07	-5024.03	174.5	-24683.3	-321.8
	111	-4168.40<<	97.61	-9652.25	308.3	-72655.2	-1629.6
	111	-2859.30	13.11	-3524.68	119.8	-8890.7>>	-251.6
	111	3602.87	79.83	-9945.19	323.7	-77793.5<<	-1316.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	111	3484.79>>	-56.94	4688.44	154.0	-23510.6	-296.8
	111	-3425.49<<	-303.40	9410.49	-33.4	-74164.5	-1648.8
	111	-1228.10	-48.36	3368.08	107.9	-9004.6>>	-244.7
	111	1581.59	-242.44	9347.87	316.2	-77930.0<<	-1305.9
	112	3463.92>>	-56.94	4415.88	154.0	-18258.0	-231.3
	112	-3404.62<<	-299.21	9125.64	-36.9	-63523.9	-1302.3
	112	-1208.80	-48.39	3234.79	107.2	-5244.4>>	-188.2
	112	1560.72	-242.44	9063.02	316.2	-67326.1<<	-1027.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	112	3463.92>>	-56.94	4415.88	154.0	-18258.0	-231.3
	112	-3404.62<<	-299.21	9125.64	-36.9	-63523.9	-1302.3
	112	-1208.80	-48.39	3234.79	107.2	-5244.4>>	-188.2
	112	1560.72	-242.44	9063.02	316.2	-67326.1<<	-1027.1
	113	3443.04>>	-56.94	4143.32	154.0	-13318.8	-165.9
	113	-3383.75<<	-295.02	8840.79	-40.4	-53210.9	-960.6
	113	-1189.27	-48.62	3038.91	126.3	-1649.3>>	-133.1
	113	1536.31	-242.15	8772.18	292.3	-57055.5<<	-747.6

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	113	3390.92>>	-403.39	5106.28	178.4	-27622.1	-412.4
	113	-3383.65<<	-611.98	7535.17	233.4	-39996.5	-671.0
	113	-1238.75	-143.37	2887.58	90.2	-1709.3>>	-137.6
	113	1508.92	-731.75	8320.31	230.9	-57313.9<<	-800.0
	114	3378.77>>	-403.39	4833.05	178.4	-21886.4	51.7
	114	-3353.66<<	-607.79	7250.99	229.9	-31507.8	30.6
	114	-1218.84	-213.65	2967.23	203.6	1546.0>>	52.5
	114	1497.16	-731.75	8034.79	230.9	-47887.2<<	42.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	114	3378.77>>	-403.39	4833.05	178.4	-21886.4	51.7
	114	-3353.66<<	-607.79	7250.99	229.9	-31507.8	30.6
	114	-1218.84	-213.65	2967.23	203.6	1546.0>>	52.5
	114	1497.16	-731.75	8034.79	230.9	-47887.2<<	42.0
	115	3364.68>>	-403.39	4620.46	178.4	-16430.1	515.8
	115	-3325.62<<	-603.59	7027.44	226.4	-23311.2	727.4
	115	2566.33	-240.55	3133.56	412.5	5082.0>>	351.4
	115	-3232.58	-730.33	7684.18	236.6	-38779.3<<	882.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	115	3347.33>>	13.39	3359.03	74.1	-4596.1	240.2
	115	-3316.73<<	-82.38	7233.91	-111.0	-34715.4	711.4
	115	2567.86	0.37	2817.72	221.8	4890.3>>	270.2
	115	-3253.31	-40.69	7284.99	160.6	-39033.8<<	643.2
	116	3326.45>>	13.39	3147.11	74.1	-837.4	224.7
	116	-3295.86<<	-78.19	7009.69	-114.5	-26543.0	803.7
	116	2493.15	8.32	4772.41	702.8	9164.2>>	537.9
	116	-3162.54	-50.35	4498.38	-355.5	-32186.5<<	346.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	116	3326.45>>	13.39	3147.11	74.1	-837.4	224.7
	116	-3295.86<<	-78.19	7009.69	-114.5	-26543.0	803.7
	116	2493.15	8.32	4772.41	702.8	9164.2>>	537.9
	116	-3162.54	-50.35	4498.38	-355.5	-32186.5<<	346.8
	117	3305.58>>	13.39	2935.18	74.1	2677.6	209.4
	117	-3274.99<<	-74.00	6785.48	-117.9	-18628.5	891.2
	117	2479.52	9.03	4629.42	739.1	14595.3>>	525.5
	117	-3142.46	-50.56	4283.67	-360.9	-27156.1<<	404.7

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	117	3273.88>>	41.54	2784.37	48.1	2631.9	220.5
	117	-3374.85<<	170.46	6220.61	-199.0	-19297.7	813.8
	117	2423.43	118.86	4144.29	417.9	14299.7>>	503.7
	117	-3197.61	72.05	4128.25	-244.7	-27229.3<<	371.2
	118	3253.01>>	45.73	2572.44	44.6	5729.8	170.3
	118	-3353.98<<	170.46	5996.39	-199.0	-12290.6	617.7
	118	2408.61	117.25	4038.27	485.7	18990.4>>	361.6
	118	-3176.73	72.05	3916.32	-244.7	-22621.4<<	288.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	118	3253.01>>	45.73	2572.44	44.6	5729.8	170.3
	118	-3353.98<<	170.46	5996.39	-199.0	-12290.6	617.7
	118	2408.61	117.25	4038.27	485.7	18990.4>>	361.6
	118	-3176.73	72.05	3916.32	-244.7	-22621.4<<	288.4
	119	3232.74>>	49.92	2360.51	41.1	8583.9	115.3
	119	-3333.11<<	170.46	5772.18	-199.0	-5541.4	421.7
	119	2369.51	115.44	4026.91	534.5	23629.1>>	223.8
	119	-3124.93	73.14	3836.25	-267.2	-18326.1<<	206.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	119	3235.24>>	31.07	2149.52	27.9	1377.1	126.4
	119	-3325.86<<	142.11	5344.41	-171.8	972.7	432.0
	119	2373.37	87.24	3541.88	276.1	23348.4>>	244.6
	119	-3126.25	67.81	3385.97	-190.4	-18400.4<<	213.2
	120	3214.36>>	35.26	1937.59	24.4	3744.9	88.2
	120	-3304.99<<	142.11	5120.20	-171.8	6972.2	268.5
	120	2530.81	101.47	4414.69	319.9	28097.5>>	150.5
	120	-2854.43	53.44	2109.22	-158.0	-15332.9<<	127.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	120	3214.36>>	35.26	1937.59	24.4	3744.9	88.2
	120	-3304.99<<	142.11	5120.20	-171.8	6972.2	268.5
	120	2530.81	101.47	4414.69	319.9	28097.5>>	150.5
	120	-2854.43	53.44	2109.22	-158.0	-15332.9<<	127.9
	121	3193.49>>	39.45	1725.66	21.0	5868.9	45.3
	121	-3284.11<<	142.11	4895.98	-171.8	12713.8	105.1
	121	2515.55	100.89	4212.11	351.3	33079.0>>	33.5
	121	-2833.56	53.44	1953.46	-158.0	-13014.5<<	66.4

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	121	3202.76>>	14.56	1587.91	10.0	5811.6	54.6
	121	-3245.19<<	63.58	4416.46	-171.6	12491.1	716.0
	121	2528.27	47.73	3687.87	125.5	32773.7>>	68.2
	121	-2816.29	25.30	1844.93	-96.5	-13061.8<<	64.4
	122	3181.89>>	18.75	1375.99	6.5	7533.5	35.4
	122	-3224.32<<	63.58	4192.25	-171.6	17423.4	42.9
	122	2512.05	47.52	3524.14	196.6	36901.7>>	13.2
	122	-2795.42	25.30	1689.17	-96.5	-11047.3<<	35.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	122	3181.89>>	18.75	1375.99	6.5	7533.5	35.4
	122	-3224.32<<	63.58	4192.25	-171.6	17423.4	42.9
	122	2512.05	47.52	3524.14	196.6	36901.7>>	13.2
	122	-2795.42	25.30	1689.17	-96.5	-11047.3<<	35.4
	123	3161.02>>	22.94	1164.06	3.1	9011.7	11.4
	123	-3203.45<<	63.58	3968.03	-171.6	22097.9	-30.3
	123	2924.27	53.56	3635.06	292.3	40886.2>>	-45.9
	123	-2774.54	25.30	1533.42	-96.5	-9212.0<<	6.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	123	3167.66>>	3.09	1058.51	-9.0	9078.6	20.2
	123	-3168.31<<	8.23	3460.14	-171.5	21757.3	-36.8
	123	2503.21	13.98	2775.70	-2.1	40544.7>>	-18.1
	123	-2758.02	3.42	1427.73	-52.8	-9256.4<<	-0.8
	124	3146.79>>	7.28	846.59	-12.5	10191.7	14.3
	124	-3147.44<<	8.23	3235.92	-171.5	25589.8	-46.3
	124	2912.36	15.66	2790.36	57.2	43865.2>>	-38.1
	124	-2737.15	3.42	1271.98	-52.8	-7721.8<<	-4.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	124	3146.79>>	7.28	846.59	-12.5	10191.7	14.3
	124	-3147.44<<	8.23	3235.92	-171.5	25589.8	-46.3
	124	2912.36	15.66	2790.36	57.2	43865.2>>	-38.1
	124	-2737.15	3.42	1271.98	-52.8	-7721.8<<	-4.7
	125	3125.91>>	11.47	634.66	-16.0	11061.1	3.4
	125	-3126.56<<	8.23	3011.70	-171.5	29164.5	-55.8
	125	2892.09	15.75	2661.33	187.4	47043.3>>	-55.9
	125	-2716.27	3.42	1116.22	-52.8	-6366.3<<	-8.7

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	125	3131.86>>	-3.08	655.42	-31.4	8101.6	5.8
	125	-3106.08<<	-12.96	2381.23	-163.4	31855.9	-69.8
	125	2892.19	1.12	1935.68	-165.6	46675.0>>	-40.6
	125	-2704.36	-6.32	1012.63	-19.3	-6407.9<<	-20.2
	126	3110.98>>	1.11	443.49	-34.9	8751.2	7.0
	126	-3085.21<<	-12.96	2157.01	-163.4	34447.8	-54.9
	126	2871.53	1.32	1817.53	-18.4	48885.2>>	-41.7
	126	-2683.49	-6.32	856.88	-19.3	-5350.6<<	-13.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	126	3110.98>>	1.11	443.49	-34.9	8751.2	7.0
	126	-3085.21<<	-12.96	2157.01	-163.4	34447.8	-54.9
	126	2871.53	1.32	1817.53	-18.4	48885.2>>	-41.7
	126	-2683.49	-6.32	856.88	-19.3	-5350.6<<	-13.0
	127	3090.11>>	5.30	231.57	-38.3	9157.0	3.3
	127	-3064.34<<	-12.96	1932.80	-163.4	36781.7	-40.0
	127	2850.77	1.50	1687.95	112.5	50919.3>>	-43.2
	127	-2662.61	-6.32	701.12	-19.3	-4472.4<<	-5.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	127	3091.84>>	-2.44	98.12	-8.1	9110.5	8.3
	127	-3055.24<<	-3.07	1504.83	-128.3	36925.1	-45.7
	127	2846.26	-0.03	964.39	-218.8	50554.4>>	-33.5
	127	-2654.33	-7.88	599.22	10.0	-4510.9<<	-19.4
	128	3070.97>>	1.75	-113.81	-11.6	9119.2	8.7
	128	-3034.36<<	-3.07	1280.61	-128.3	38509.0	-42.2
	128	2825.24	0.14	845.84	-71.1	51620.7>>	-33.4
	128	-2633.46	-7.88	443.47	10.0	-3929.0<<	-10.3
	129	3050.10>>	5.94	-325.73	-15.1	8884.2	4.2
	129	-3013.49<<	-3.07	1056.39	-128.3	39835.1	-38.6
	129	2804.25	0.22	692.99	19.5	52518.5>>	-33.6
	129	-2612.59	-7.88	287.71	10.0	-3526.3<<	-1.3

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	129	3048.88>>	0.34	-457.65	21.9	8842.4	12.1
	129	-3015.84<<	0.06	574.86	-152.9	39477.6	-38.8
	129	2798.54	2.83	-5.27	-254.8	52147.1>>	-26.7
	129	-2606.04	-6.47	187.30	40.2	-3561.1<<	-15.2
	130	3028.01>>	4.53	-669.58	18.4	8211.9	9.3
	130	-2994.96<<	0.06	350.65	-152.9	39992.1	-38.9
	130	1167.35	1.93	-98.57	-154.8	52115.6>>	-30.5
	130	-1391.51	-4.59	-217.55	46.7	-3603.6<<	-7.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	130	3028.01>>	4.53	-669.58	18.4	8211.9	9.3
	130	-2994.96<<	0.06	350.65	-152.9	39992.1	-38.9
	130	1167.35	1.93	-98.57	-154.8	52115.6>>	-30.5
	130	-1391.51	-4.59	-217.55	46.7	-3603.6<<	-7.4
	131	3007.14>>	8.72	-881.50	14.9	7337.7	1.7
	131	-2974.09<<	0.06	126.43	-152.9	40248.7	-39.0
	131	1145.97	2.10	-225.28	-16.4	51935.7>>	-33.0
	131	-1370.63	-4.59	-373.31	46.7	-3961.0<<	-2.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	131	3009.14>>	-3.22	-690.57	49.9	3669.5	8.0
	131	-2979.57<<	5.03	-673.49	-153.4	43505.2	-34.8
	131	1143.03	2.28	-947.54	-328.2	51559.3>>	-29.7
	131	-1366.13	-4.53	-471.67	85.6	-3989.5<<	-11.4
	132	2988.27>>	0.97	-902.50	46.4	2771.2	9.4
	132	-2958.70<<	5.03	-897.71	-153.4	42584.1	-40.6
	132	1120.56	2.55	-1065.96	-179.3	50408.2>>	-32.6
	132	-1344.47	-4.47	-627.43	85.6	-4639.1<<	-6.1
	133	2967.40>>	5.17	-1114.43	42.9	1629.1	5.8
	133	-2937.83<<	5.03	-1121.92	-153.4	41405.1	-46.3
	133	1099.12	2.64	-1263.97	-131.6	49088.5>>	-35.7
	133	-1323.60	-4.47	-783.19	85.6	-5467.9<<	-1.0

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	133	2970.07>>	-6.80	-1244.80	101.0	1594.7	11.4
	133	-2939.20<<	-4.64	-1584.06	-149.9	41207.4	-38.1
	133	1099.61	-5.07	-1912.17	-345.8	48711.1>>	-33.0
	133	-1317.43	-9.19	-880.25	135.4	-5490.1<<	-9.2
	134	2949.20>>	-2.61	-1456.73	97.5	59.0	16.8
	134	-2918.33<<	-4.64	-1808.28	-149.9	39239.1	-32.7
	134	1077.46	-4.93	-2030.21	-197.1	46423.4>>	-27.4
	134	-1296.56	-9.19	-1036.01	135.4	-6609.6<<	1.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	134	2949.20>>	-2.61	-1456.73	97.5	59.0	16.8
	134	-2918.33<<	-4.64	-1808.28	-149.9	39239.1	-32.7
	134	1077.46	-4.93	-2030.21	-197.1	46423.4>>	-27.4
	134	-1296.56	-9.19	-1036.01	135.4	-6609.6<<	1.4
	135	2928.33>>	1.58	-1668.66	94.1	-1720.4	17.4
	135	-2897.46<<	-4.64	-2032.50	-149.9	37013.0	-27.4
	135	681.01	-5.26	-2030.55	-133.5	44200.1>>	-18.7
	135	-1275.69	-9.19	-1191.76	135.4	-7908.2<<	12.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	135	2933.46>>	-18.36	-1763.56	166.7	-1973.2	26.2
	135	-2890.23<<	-28.84	-2525.34	-131.3	37045.4	-20.6
	135	689.09	-23.88	-2572.72	-300.1	43873.5>>	-19.5
	135	-1265.82	-20.79	-1287.61	201.5	-7922.1<<	4.0
	136	2912.59>>	-14.17	-1975.49	163.2	-4105.4	45.0
	136	-2869.35<<	-28.84	-2749.56	-131.3	33994.6	12.6
	136	671.40	-23.91	-2773.18	-261.4	40808.1>>	8.0
	136	-1244.95	-20.79	-1443.36	201.5	-9510.1<<	28.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	136	2912.59>>	-14.17	-1975.49	163.2	-4105.4	45.0
	136	-2869.35<<	-28.84	-2749.56	-131.3	33994.6	12.6
	136	671.40	-23.91	-2773.18	-261.4	40808.1>>	8.0
	136	-1244.95	-20.79	-1443.36	201.5	-9510.1<<	28.0
	137	2891.71>>	-9.97	-2187.42	159.7	-6481.4	58.8
	137	-2848.48<<	-28.84	-2973.77	-131.3	30686.0	45.8
	137	652.93	-24.01	-2909.46	-143.8	37571.7>>	35.6
	137	-1224.08	-20.79	-1599.12	201.5	-11277.2<<	51.9

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	137	2900.73>>	-35.52	-2316.25	254.1	-6483.8	68.6
	137	-2829.76<<	-66.09	-3440.09	-108.8	30233.4	48.1
	137	671.13	-54.69	-3508.29	-384.3	37239.8>>	31.5
	137	-1209.49	-37.23	-1694.03	290.1	-11280.0<<	42.3
	138	2879.85>>	-31.33	-2528.18	250.6	-9251.7	107.0
	138	-2808.89<<	-66.09	-3664.31	-108.8	26130.7	124.1
	138	652.32	-55.38	-3648.25	-274.3	33153.3>>	95.8
	138	-1188.61	-37.23	-1849.79	290.1	-13335.3<<	85.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	138	2879.85>>	-31.33	-2528.18	250.6	-9251.7	107.0
	138	-2808.89<<	-66.09	-3664.31	-108.8	26130.7	124.1
	138	652.32	-55.38	-3648.25	-274.3	33153.3>>	95.8
	138	-1188.61	-37.23	-1849.79	290.1	-13335.3<<	85.2
	139	2858.98>>	-27.14	-2740.10	247.1	-12263.3	140.7
	139	-2788.01<<	-66.09	-3888.53	-108.8	21770.1	200.1
	139	634.84	-55.82	-3805.28	-195.4	28902.3>>	160.8
	139	-1165.05	-21.68	-2019.76	287.9	-15570.7<<	118.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	139	2881.26>>	-65.23	-2870.44	373.7	-12261.6	125.1
	139	-2776.08<<	-78.83	-4334.48	-69.4	21579.6	220.8
	139	658.33	-86.30	-4377.93	-405.3	28559.6>>	153.0
	139	-1152.28	-47.30	-2100.27	409.5	-15558.0<<	116.1
	140	2860.39>>	-65.23	-3082.36	373.7	-15666.8	200.1
	140	-2755.20<<	-74.64	-4558.70	-72.9	16448.3	309.0
	140	835.19	-69.32	-3770.98	-346.2	24094.8>>	228.7
	140	-909.83	-65.10	-3037.02	421.5	-18872.7<<	197.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	140	2860.39>>	-65.23	-3082.36	373.7	-15666.8	200.1
	140	-2755.20<<	-74.64	-4558.70	-72.9	16448.3	309.0
	140	835.19	-69.32	-3770.98	-346.2	24094.8>>	228.7
	140	-909.83	-65.10	-3037.02	421.5	-18872.7<<	197.3
	141	2839.52>>	-65.23	-3294.29	373.7	-19315.7	275.1
	141	-2734.33<<	-70.45	-4782.91	-76.3	11059.2	392.5
	141	831.40	-76.55	-3483.88	-259.7	19768.7>>	325.4
	141	-908.73	-58.57	-3705.51	457.9	-22523.7<<	262.3

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	141	2852.86>>	-41.20	-3413.82	538.2	-19298.0	245.5
	141	-2750.79<<	-49.69	-5249.41	-46.2	10580.0	427.0
	141	837.51	-64.58	-4037.65	-534.5	19419.1>>	324.3
	141	-904.95	-34.11	-3832.45	638.3	-22494.6<<	250.1
	142	2831.99>>	-41.20	-3625.74	538.2	-23328.1	292.9
	142	-2729.92<<	-45.50	-5473.63	-49.7	4396.5	481.7
	142	834.36	-69.61	-3960.01	-410.0	14929.4>>	415.6
	142	-905.70	-29.68	-4247.22	607.1	-27240.2<<	283.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	142	2831.99>>	-41.20	-3625.74	538.2	-23328.1	292.9
	142	-2729.92<<	-45.50	-5473.63	-49.7	4396.5	481.7
	142	834.36	-69.61	-3960.01	-410.0	14929.4>>	415.6
	142	-905.70	-29.68	-4247.22	607.1	-27240.2<<	283.0
	143	2811.11>>	-41.20	-3837.67	538.2	-27601.8	340.3
	143	-2709.04<<	-41.31	-5697.84	-53.2	-2044.8	531.6
	143	812.94	-69.89	-4036.32	-294.3	10373.4>>	505.2
	143	-884.75	-29.74	-4459.91	605.7	-32264.5<<	317.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	143	2782.33>>	52.39	-3633.11	451.4	-18709.3	263.1
	143	-2818.72<<	168.27	-6485.34	267.6	-10626.3	668.7
	143	751.75	73.04	-4568.56	-578.1	10011.7>>	516.9
	143	-937.61	98.64	-4586.76	848.5	-32211.5<<	324.6
	144	2761.46>>	52.39	-3845.03	451.4	-22991.5	202.8
	144	-2797.85<<	172.46	-6709.55	264.1	-18231.0	472.8
	144	726.48	78.14	-4649.41	-469.5	4734.9>>	429.1
	144	-916.73	98.64	-4798.69	848.5	-37625.8<<	211.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	144	2761.46>>	52.39	-3845.03	451.4	-22991.5	202.8
	144	-2797.85<<	172.46	-6709.55	264.1	-18231.0	472.8
	144	726.48	78.14	-4649.41	-469.5	4734.9>>	429.1
	144	-916.73	98.64	-4798.69	848.5	-37625.8<<	211.2
	145	2740.58>>	52.39	-4056.96	451.4	-27517.5	142.6
	145	-2776.98<<	176.65	-6933.77	260.6	-26093.6	272.1
	145	784.34	49.19	-2798.05	84.2	473.8>>	141.5
	145	-999.68	141.01	-7420.88	306.4	-44665.6<<	325.6

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	145	2539.98>>	204.32	-4027.42	178.6	-22491.2	105.5
	145	-3357.19<<	891.35	-7871.42	268.5	-30643.5	393.1
	145	580.27	264.38	-3122.91	-144.8	281.6>>	163.2
	145	-1521.92	752.48	-7820.16	447.0	-44816.2<<	318.8
	146	2512.32>>	204.32	-4238.68	178.6	-27228.9	-129.6
	146	-3343.50<<	895.54	-8096.30	265.0	-39847.4	-634.8
	146	548.59	268.28	-3187.44	0.2	-3308.4>>	-166.0
	146	-1502.79	751.22	-8048.61	427.6	-53964.2<<	-546.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	146	2512.32>>	204.32	-4238.68	178.6	-27228.9	-129.6
	146	-3343.50<<	895.54	-8096.30	265.0	-39847.4	-634.8
	146	548.59	268.28	-3187.44	0.2	-3308.4>>	-166.0
	146	-1502.79	751.22	-8048.61	427.6	-53964.2<<	-546.4
	147	2482.73>>	204.32	-4510.57	178.6	-32244.6	-364.7
	147	-3331.74<<	899.74	-8381.82	261.5	-49344.8	-1667.6
	147	-2031.44	153.11	-2888.75	116.1	-6785.0>>	-281.9
	147	1884.01	751.28	-8467.40	427.3	-63436.4<<	-1410.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	147	2697.16>>	14.21	-4813.93	806.4	-37813.5	-479.4
	147	-2782.05<<	92.41	-8757.02	-213.4	-44117.6	-1205.4
	147	-1887.76	12.14	-3048.09	150.4	-6817.7>>	-224.4
	147	2390.87	71.59	-8856.23	566.2	-63605.8<<	-1126.2
	148	2676.29>>	14.21	-5086.49	806.4	-43488.6	-495.8
	148	-2761.17<<	96.61	-9041.87	-216.9	-54369.6	-1314.0
	148	-1871.07	12.10	-3248.76	150.4	-10452.5>>	-238.3
	148	2370.00	71.59	-9141.09	566.2	-73936.6<<	-1208.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	148	2676.29>>	14.21	-5086.49	806.4	-43488.6	-495.8
	148	-2761.17<<	96.61	-9041.87	-216.9	-54369.6	-1314.0
	148	-1871.07	12.10	-3248.76	150.4	-10452.5>>	-238.3
	148	2370.00	71.59	-9141.09	566.2	-73936.6<<	-1208.5
	149	2655.42>>	14.21	-5359.05	806.4	-49477.1	-512.2
	149	-2740.30<<	100.80	-9326.72	-220.4	-64949.3	-1427.6
	149	-1854.37	12.10	-3449.43	150.4	-14318.1>>	-252.2
	149	2349.12	71.59	-9425.93	566.2	-84594.9<<	-1290.9

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	149	2120.36>>	-171.06	9805.33	1363.7	-59414.2	-730.7
	149	-1993.26<<	-185.75	7038.70	-1156.4	-55539.2	-1191.7
	149	-1084.15	-49.61	4215.57	129.0	-14458.1>>	-247.8
	149	1482.43	-242.70	10941.85	536.7	-84709.2<<	-1268.7
	150	2099.49>>	-171.06	9332.77	1363.7	-48507.1	-533.9
	150	-1972.38<<	-181.56	6753.85	-1159.8	-47626.2	-980.5
	150	-1067.46	-49.60	4014.90	129.0	-9739.8>>	-190.9
	150	1446.99	-238.88	10136.63	342.6	-72332.3<<	-1010.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	150	2099.49>>	-171.06	9332.77	1363.7	-48507.1	-533.9
	150	-1972.38<<	-181.56	6753.85	-1159.8	-47626.2	-980.5
	150	-1067.46	-49.60	4014.90	129.0	-9739.8>>	-190.9
	150	1446.99	-238.88	10136.63	342.6	-72332.3<<	-1010.3
	151	2078.62>>	-171.06	9060.21	1363.7	-37933.5	-337.2
	151	-1951.51<<	-177.37	6469.00	-1163.3	-40040.7	-774.2
	151	-1048.52	-49.75	3819.51	149.7	-5248.0>>	-134.5
	151	1423.32	-238.70	9845.18	316.7	-60826.5<<	-734.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	151	1955.44>>	-394.99	6526.77	210.3	-27541.8	-398.0
	151	-1967.89<<	-622.83	8712.90	334.7	-51264.7	-662.1
	151	-1122.19	-142.23	3668.98	101.0	-5314.3>>	-141.5
	151	1353.95	-724.21	9384.99	234.8	-61092.2<<	-779.9
	152	1943.29>>	-394.99	6253.54	210.3	-20171.7	56.5
	152	-1937.90<<	-618.63	8428.72	331.2	-41420.9	52.0
	152	-1104.34	-212.15	3752.78	214.7	-1199.1>>	47.4
	152	1342.20	-724.21	9099.47	234.8	-50440.6<<	53.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	152	1943.29>>	-394.99	6253.54	210.3	-20171.7	56.5
	152	-1937.90<<	-618.63	8428.72	331.2	-41420.9	52.0
	152	-1104.34	-212.15	3752.78	214.7	-1199.1>>	47.4
	152	1342.20	-724.21	9099.47	234.8	-50440.6<<	53.4
	153	1929.19>>	-394.99	6040.95	210.3	-13081.1	510.9
	153	-1909.86<<	-614.44	8205.17	327.8	-31869.2	761.3
	153	1407.12	-238.88	3846.83	423.9	3210.4>>	344.0
	153	-1800.51	-724.24	8846.27	234.6	-40110.4<<	886.5

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	153	1963.99>>	-9.48	5814.80	398.7	-17504.5	352.3
	153	-1882.62<<	-57.77	7252.30	-482.6	-28023.1	589.2
	153	1430.30	-2.54	3474.61	102.4	3005.8>>	264.4
	153	-1795.95	-34.16	8397.22	147.9	-40371.4<<	659.8
	154	1943.12>>	-5.28	5602.88	393.2	-10921.6	360.7
	154	-1861.74<<	-57.77	7028.09	-482.6	-19829.6	655.6
	154	-1037.78	7.06	5714.02	637.2	7647.5>>	543.7
	154	1294.31	-43.65	5296.18	-372.1	-31636.2<<	348.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	154	1943.12>>	-5.28	5602.88	393.2	-10921.6	360.7
	154	-1861.74<<	-57.77	7028.09	-482.6	-19829.6	655.6
	154	-1037.78	7.06	5714.02	637.2	7647.5>>	543.7
	154	1294.31	-43.65	5296.18	-372.1	-31636.2<<	348.8
	155	1922.25>>	-1.09	5390.95	389.8	-4582.5	364.4
	155	-1840.87<<	-57.77	6803.87	-482.6	-11893.9	722.0
	155	-1016.61	8.05	5632.53	737.3	14196.3>>	526.4
	155	1273.43	-43.65	5084.25	-372.1	-25649.8<<	399.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	155	1875.00>>	78.12	5139.88	259.3	-4700.0	367.1
	155	-1933.27<<	140.62	6393.21	-421.8	-12013.6	675.1
	155	-1069.97	117.44	5147.80	403.1	13889.1>>	502.5
	155	1210.58	79.23	4926.32	-264.8	-25727.3<<	379.8
	156	1854.13>>	82.31	4927.95	255.8	1106.6	274.8
	156	-1912.40<<	140.62	6168.99	-421.8	-4808.0	513.4
	156	-1050.78	115.77	5043.86	470.8	19704.6>>	362.0
	156	1189.71	79.23	4714.40	-264.8	-20166.2<<	288.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	156	1854.13>>	82.31	4927.95	255.8	1106.6	274.8
	156	-1912.40<<	140.62	6168.99	-421.8	-4808.0	513.4
	156	-1050.78	115.77	5043.86	470.8	19704.6>>	362.0
	156	1189.71	79.23	4714.40	-264.8	-20166.2<<	288.6
	157	1833.26>>	86.51	4716.02	252.4	6669.6	177.7
	157	-1891.52<<	140.62	5944.77	-421.8	2139.7	351.7
	157	-998.82	138.39	5955.92	510.2	25677.0>>	236.1
	157	1241.87	55.60	3433.89	-274.1	-14936.8<<	188.3

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	157	1830.69>>	64.68	4465.72	151.0	6557.0	205.3
	157	-1892.26<<	121.57	5564.09	-351.4	1837.0	369.4
	157	-948.73	86.94	5425.11	237.3	25374.1>>	278.3
	157	1242.30	55.21	3318.47	-198.7	-14994.0<<	186.4
	158	1809.82>>	68.87	4253.79	147.6	11588.4	128.5
	158	-1871.39<<	121.57	5339.87	-351.4	8089.2	229.6
	158	-982.88	104.07	5272.86	299.9	31489.2>>	153.8
	158	1221.42	55.21	3162.71	-198.7	-11249.6<<	123.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	158	1809.82>>	68.87	4253.79	147.6	11588.4	128.5
	158	-1871.39<<	121.57	5339.87	-351.4	8089.2	229.6
	158	-982.88	104.07	5272.86	299.9	31489.2>>	153.8
	158	1221.42	55.21	3162.71	-198.7	-11249.6<<	123.0
	159	1788.95>>	73.06	4041.87	144.1	16376.1	46.9
	159	-1850.52<<	121.57	5115.65	-351.4	14083.4	89.8
	159	-1246.58	118.15	5713.30	415.2	37635.2>>	40.8
	159	1200.55	55.21	3006.95	-198.7	-7684.3<<	59.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	159	1796.40>>	32.48	3791.07	63.5	16264.8	76.3
	159	-1824.19<<	58.32	4742.66	-307.3	13902.8	108.1
	159	-1232.83	56.93	5093.94	129.8	37278.3>>	85.4
	159	1215.72	27.07	2895.50	-152.7	-7739.2<<	61.2
	160	1741.08>>	36.67	3579.15	60.0	20549.3	36.5
	160	-1768.87<<	58.32	4518.44	-307.3	19181.3	41.1
	160	-1176.27	56.63	4944.48	218.5	42971.7>>	19.8
	160	1160.40	27.07	2739.75	-152.7	-4452.3<<	30.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	160	1741.08>>	36.67	3579.15	60.0	20549.3	36.5
	160	-1768.87<<	58.32	4518.44	-307.3	19181.3	41.1
	160	-1176.27	56.63	4944.48	218.5	42971.7>>	19.8
	160	1160.40	27.07	2739.75	-152.7	-4452.3<<	30.0
	161	1685.76>>	40.87	3367.22	56.6	24590.0	-8.1
	161	-1713.55<<	58.32	4294.22	-307.3	24202.0	-26.0
	161	-1119.54	56.46	4744.80	258.5	48505.7>>	-45.2
	161	1105.08	27.07	2583.99	-152.7	-1344.6<<	-1.1

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	161	1688.42>>	12.06	3116.68	-5.9	24480.1	17.9
	161	-1689.40<<	12.48	3933.24	-273.4	23811.0	-22.0
	161	-1112.74	19.00	4124.52	13.2	48143.7>>	-13.3
	161	1119.51	5.10	2475.48	-126.2	-1397.0<<	-4.5
	162	1633.10>>	16.25	2904.75	-9.3	27989.0	1.6
	162	-1634.08<<	12.48	3709.03	-273.4	28158.7	-36.3
	162	-1056.65	19.02	3974.12	102.9	52713.4>>	-34.9
	162	1064.19	5.10	2319.73	-126.2	1406.8<<	-10.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	162	1633.10>>	16.25	2904.75	-9.3	27989.0	1.6
	162	-1634.08<<	12.48	3709.03	-273.4	28158.7	-36.3
	162	-1056.65	19.02	3974.12	102.9	52713.4>>	-34.9
	162	1064.19	5.10	2319.73	-126.2	1406.8<<	-10.4
	163	1577.78>>	20.44	2692.82	-12.8	31254.2	-19.5
	163	-1578.76<<	12.48	3484.81	-273.4	32248.5	-50.7
	163	-1000.43	19.07	3773.94	143.3	57124.9>>	-56.7
	163	1008.87	5.10	2163.97	-126.2	4031.6<<	-16.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	163	1572.95>>	6.11	2443.18	-58.0	31146.3	4.9
	163	-1562.92<<	-7.50	3118.29	-256.9	32079.9	-59.4
	163	-1003.22	5.45	3126.99	-118.7	56754.7>>	-35.3
	163	1018.73	-4.83	2057.62	-112.0	3981.1<<	-24.2
	164	1517.63>>	10.30	2231.25	-61.5	33880.7	-4.5
	164	-1507.60<<	-7.50	2894.07	-256.9	35490.5	-50.7
	164	-947.19	5.55	2929.73	-71.3	60199.2>>	-41.4
	164	963.41	-4.83	1901.87	-112.0	6304.5<<	-18.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	164	1517.63>>	10.30	2231.25	-61.5	33880.7	-4.5
	164	-1507.60<<	-7.50	2894.07	-256.9	35490.5	-50.7
	164	-947.19	5.55	2929.73	-71.3	60199.2>>	-41.4
	164	963.41	-4.83	1901.87	-112.0	6304.5<<	-18.6
	165	1462.31>>	14.49	2019.33	-64.9	36371.4	-18.8
	165	-1452.28<<	-7.50	2669.85	-256.9	38643.1	-42.1
	165	-890.64	5.72	2802.09	59.6	63470.7>>	-47.7
	165	908.09	-4.83	1746.11	-112.0	8448.7<<	-13.0

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	165	1451.81>>	8.34	1771.01	-92.7	36266.3	6.9
	165	-1442.03<<	-11.46	2306.26	-242.4	38480.8	-57.9
	165	-898.78	4.90	2075.79	-278.6	63103.6>>	-32.1
	165	914.40	-6.75	1641.50	-105.1	8400.2<<	-23.0
	166	1396.49>>	12.53	1559.08	-96.2	38227.7	-5.0
	166	-1386.71<<	-11.46	2082.04	-242.4	40957.4	-44.7
	166	-842.40	5.08	1958.78	-130.9	65404.1>>	-37.6
	166	859.08	-6.75	1485.75	-105.1	10244.9<<	-15.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	166	1396.49>>	12.53	1559.08	-96.2	38227.7	-5.0
	166	-1386.71<<	-11.46	2082.04	-242.4	40957.4	-44.7
	166	-842.40	5.08	1958.78	-130.9	65404.1>>	-37.6
	166	859.08	-6.75	1485.75	-105.1	10244.9<<	-15.2
	167	1341.16>>	16.72	1347.16	-99.7	39945.4	-21.8
	167	-1331.38<<	-11.46	1857.83	-242.4	43176.2	-31.6
	167	-786.58	5.16	1806.76	-40.3	67529.9>>	-43.5
	167	803.76	-6.75	1329.99	-105.1	11910.6<<	-7.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	167	1327.65>>	11.30	1100.63	-108.1	39844.4	7.6
	167	-1322.55<<	-10.42	1496.88	-227.2	43020.2	-50.8
	167	-794.88	6.60	1105.99	-318.7	67161.9>>	-30.1
	167	808.47	-5.82	1226.89	-101.9	11863.9<<	-17.7
	168	1272.32>>	15.49	888.70	-111.6	41034.9	-7.8
	168	-1267.22<<	-10.42	1272.67	-227.2	44566.0	-38.8
	168	-739.10	6.68	961.68	-218.2	68309.5>>	-37.7
	168	753.15	-5.82	1071.13	-101.9	13231.9<<	-11.1
	169	1217.00>>	19.68	676.78	-115.1	41981.6	-28.0
	169	-1211.90<<	-10.42	1048.45	-227.2	45854.1	-26.9
	169	-682.80	6.87	835.20	-79.6	69291.3>>	-45.8
	169	697.83	-5.82	915.38	-101.9	14420.8<<	-4.3

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	169	1203.56>>	7.77	432.88	-100.3	41887.0	6.4
	169	-1200.81<<	-13.18	689.85	-209.5	45703.9	-47.7
	169	-688.41	1.08	110.31	-391.1	68916.4>>	-32.9
	169	702.59	-5.86	813.64	-99.9	14375.9<<	-14.1
	170	1148.24>>	11.96	220.95	-103.8	42309.6	-5.0
	170	-1145.49<<	-13.18	465.63	-209.5	46321.7	-32.5
	170	-1038.08	1.17	35.70	-241.6	68918.3>>	-34.2
	170	947.95	-5.84	625.17	-99.9	15266.6<<	-7.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	170	1148.24>>	11.96	220.95	-103.8	42309.6	-5.0
	170	-1145.49<<	-13.18	465.63	-209.5	46321.7	-32.5
	170	-1038.08	1.17	35.70	-241.6	68918.3>>	-34.2
	170	947.95	-5.84	625.17	-99.9	15266.6<<	-7.5
	171	1092.92>>	16.15	9.03	-107.3	42488.4	-21.2
	171	-1090.17<<	-13.18	241.42	-209.5	46681.6	-17.3
	171	-982.23	1.24	-162.57	-193.5	68797.7>>	-35.8
	171	892.63	-5.84	469.41	-99.9	15942.6<<	-0.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	171	1083.60>>	-8.87	-230.95	-62.3	42403.9	17.8
	171	-1073.36<<	-26.61	-115.14	-189.3	46536.6	-39.0
	171	-979.35	-20.38	-814.23	-401.7	68415.6>>	-23.5
	171	898.73	-9.32	369.03	-97.2	15899.6<<	-9.8
	172	1028.28>>	-4.68	-442.88	-65.7	42063.1	25.6
	172	-1018.04<<	-26.61	-339.36	-189.3	46228.7	-8.4
	172	-923.46	-20.48	-1012.48	-352.4	67313.3>>	0.0
	172	843.41	-9.32	213.28	-97.2	16281.0<<	0.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	172	1028.28>>	-4.68	-442.88	-65.7	42063.1	25.6
	172	-1018.04<<	-26.61	-339.36	-189.3	46228.7	-8.4
	172	-923.46	-20.48	-1012.48	-352.4	67313.3>>	0.0
	172	843.41	-9.32	213.28	-97.2	16281.0<<	0.9
	173	972.96>>	-0.49	-654.80	-69.2	41478.5	28.5
	173	-962.72<<	-26.61	-563.57	-189.3	45662.9	22.2
	173	-867.63	-20.57	-1158.04	-251.4	66051.7>>	23.6
	173	788.09	-9.32	57.52	-97.2	16483.3<<	11.6

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	173	976.82>>	-63.76	-1362.53	-20.9	56150.8	83.3
	173	-942.16<<	-31.47	-446.94	-134.4	30780.5	-14.4
	173	-851.37	-63.27	-1855.14	-492.4	65658.2>>	34.3
	173	796.59	-17.19	-41.69	-93.3	16441.8<<	2.9
	174	921.50>>	-59.57	-1574.46	-24.4	54508.7	154.2
	174	-886.84<<	-31.47	-671.16	-134.4	30091.0	21.8
	174	-795.42	-63.84	-2006.20	-400.6	63408.3>>	108.1
	174	741.27	-17.19	-197.44	-93.3	16350.9<<	22.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	174	921.50>>	-59.57	-1574.46	-24.4	54508.7	154.2
	174	-886.84<<	-31.47	-671.16	-134.4	30091.0	21.8
	174	-795.42	-63.84	-2006.20	-400.6	63408.3>>	108.1
	174	741.27	-17.19	-197.44	-93.3	16350.9<<	22.7
	175	866.18>>	-55.37	-1786.39	-27.8	52622.8	220.2
	175	-831.52<<	-31.47	-895.38	-134.4	29143.6	58.0
	175	-738.53	-65.16	-2126.43	-249.1	60987.6>>	185.5
	175	685.95	-17.19	-353.20	-93.3	16080.9<<	42.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	175	880.20>>	-120.43	-2250.58	85.8	52483.0	267.0
	175	-806.82<<	-47.16	-1026.86	-119.0	29092.0	29.0
	175	-710.46	-119.26	-2843.16	-524.4	60589.9>>	193.4
	175	696.49	-27.12	-451.38	-88.1	16040.7<<	33.8
	176	824.88>>	-116.24	-2462.51	82.3	49819.6	403.1
	176	-751.50<<	-47.16	-1251.07	-119.0	27735.6	83.2
	176	-652.86	-122.42	-2972.69	-389.3	57178.2>>	339.9
	176	641.17	-27.12	-607.13	-88.1	15478.6<<	65.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	176	824.88>>	-116.24	-2462.51	82.3	49819.6	403.1
	176	-751.50<<	-47.16	-1251.07	-119.0	27735.6	83.2
	176	-652.86	-122.42	-2972.69	-389.3	57178.2>>	339.9
	176	641.17	-27.12	-607.13	-88.1	15478.6<<	65.0
	177	769.56>>	-112.04	-2674.43	78.8	46912.5	534.4
	177	-696.18<<	-47.16	-1475.29	-119.0	26121.3	137.4
	177	-594.99	-125.98	-3093.31	-235.1	53588.8>>	495.5
	177	585.85	-27.12	-762.89	-88.1	14737.5<<	96.2

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	177	765.50>>	-131.43	-3387.94	181.9	48720.7	592.6
	177	-673.29<<	-52.37	-1397.45	-129.3	24118.4	108.6
	177	-577.95	-143.96	-3809.03	-508.6	53191.3>>	511.0
	177	593.85	-29.74	-860.27	-82.1	14697.9<<	89.2
	178	710.18>>	-127.24	-3599.87	178.4	44749.3	741.3
	178	-617.97<<	-52.37	-1621.66	-129.3	22335.8	168.8
	178	-522.62	-143.96	-4033.25	-508.6	48635.4>>	676.5
	178	538.53	-29.74	-1016.02	-82.1	13665.6<<	123.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	178	710.18>>	-127.24	-3599.87	178.4	44749.3	741.3
	178	-617.97<<	-52.37	-1621.66	-129.3	22335.8	168.8
	178	-522.62	-143.96	-4033.25	-508.6	48635.4>>	676.5
	178	538.53	-29.74	-1016.02	-82.1	13665.6<<	123.4
	179	654.86>>	-123.05	-3811.80	174.9	40534.2	885.2
	179	-562.65<<	-52.37	-1845.88	-129.3	20295.4	229.0
	179	-464.57	-147.85	-4163.29	-368.9	43906.3>>	868.2
	179	483.21	-29.74	-1171.78	-82.1	12454.3<<	157.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	179	563.53>>	26.67	-3699.87	-549.7	31870.3	591.9
	179	-563.46<<	-14.30	-3119.87	-161.9	29928.0	517.9
	179	-531.30	7.73	-4854.75	-603.6	43497.5>>	911.7
	179	476.07	-1.86	-1268.79	-76.9	12414.5<<	156.1
	180	508.21>>	30.86	-3911.80	-553.2	27540.2	558.8
	180	-508.14<<	-14.30	-3344.09	-161.9	26164.7	534.4
	180	-476.31	10.19	-5005.27	-492.7	37777.3>>	924.8
	180	420.75	-1.86	-1424.55	-76.9	10912.4<<	158.2
	181	452.89>>	35.05	-4123.73	-556.7	22966.3	520.9
	181	-452.82<<	-14.30	-3568.30	-161.9	22143.5	550.8
	181	-421.79	14.39	-5136.73	-341.0	31867.6>>	920.5
	181	365.43	-1.86	-1580.30	-76.9	9231.2<<	160.3

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BARRA	181	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	181	282.20>>	141.45	-2450.23	-124.5	13264.3	216.5
	181	-901.90<<	657.48	-5634.16	-201.4	31062.1	992.4
	181	-892.04	631.07	-5648.90	-620.4	31444.4>>	992.6
	181	268.68	103.65	-1686.99	-70.1	9189.6<<	162.6
	182	220.15>>	141.45	-2658.74	-124.5	10371.8	53.8
	182	-853.76<<	657.48	-5860.15	-201.4	24402.9	235.9
	182	-847.69	640.47	-6042.58	-573.3	24574.6>>	262.0
	182	208.37	103.65	-1040.98	-70.1	7206.6<<	43.3

BARRA	182	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	182	220.15>>	141.45	-2658.74	-124.5	10371.8	53.8
	182	-853.76<<	657.48	-5860.15	-201.4	24402.9	235.9
	182	-847.69	640.47	-6042.58	-573.3	24574.6>>	262.0
	182	208.37	103.65	-1840.98	-70.1	7206.6<<	43.3
	183	156.16>>	141.45	-2927.87	-124.5	7204.5	-109.0
	183	-807.55<<	657.48	-6146.77	-201.4	17448.7	-520.6
	183	-805.16	649.66	-6252.72	-428.0	17478.4>>	-497.2
	183	146.63	103.65	-2039.88	-70.1	5020.6<<	-75.9

BARRA	183	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	183	334.75>>	-95.15	-6378.51	-286.4	15036.2	-276.7
	183	-315.99<<	-13.93	-3959.02	-144.8	10254.7	-49.0
	183	-298.15	-81.94	-6886.70	-472.4	17111.5>>	-245.8
	183	263.54	-13.97	-2124.04	-51.3	4983.6<<	-40.4
	184	279.42>>	-95.15	-6651.07	-286.4	7590.8	-167.2
	184	-260.67<<	-9.74	-4243.87	-148.3	5491.5	-35.3
	184	-238.74	-90.18	-7117.43	-320.7	8994.9>>	-163.0
	184	208.22	-13.97	-2324.71	-51.3	2472.2<<	-24.3

BARRA	184	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	184	279.42>>	-95.15	-6651.07	-286.4	7590.8	-167.2
	184	-260.67<<	-9.74	-4243.87	-148.3	5491.5	-35.3
	184	-238.74	-90.18	-7117.43	-320.7	8994.9>>	-163.0
	184	208.22	-13.97	-2324.71	-51.3	2472.2<<	-24.3
	185	224.10>>	-95.15	-6923.63	-286.4	-168.1	-57.8
	185	-210.99<<	11.50	-4003.18	-93.0	418.2	-28.4
	185	-182.83	-91.39	-7291.63	-221.2	634.7>>	-58.7
	185	201.89	-13.79	-4381.58	-312.2	-418.8<<	-31.2

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA	801	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	801	7687.21>>	-177.11	6006.73	-253.3	-239.8	30.5
	801	-7474.77<<	54.47	2705.09	-76.7	484.5	35.9
	801	-2019.74	-105.85	5657.98	-245.4	732.9>>	51.8
	801	2362.19	-56.42	3679.16	-295.2	-545.6<<	16.2
	802	7666.34>>	-177.11	5721.88	-253.3	6521.8	234.2
	802	-7453.90<<	50.27	2432.53	-73.3	3421.0	-24.4
	802	-1868.28	-166.80	5889.80	-265.9	7634.1>>	226.6
	802	2797.84	5.22	1417.26	-43.4	1289.9<<	10.0

BARRA	802	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	802	7666.34>>	-177.11	5721.88	-253.3	6521.8	234.2
	802	-7453.90<<	50.27	2432.53	-73.3	3421.0	-24.4
	802	-1868.28	-166.80	5889.80	-265.9	7634.1>>	226.6
	802	2797.84	5.22	1417.26	-43.4	1289.9<<	10.0
	803	7645.47>>	-177.11	5437.03	-253.3	12855.9	437.8
	803	-7433.03<<	46.08	2159.97	-69.8	6044.0	-79.8
	803	-6939.76	-136.88	5706.10	-430.9	14303.6>>	355.9
	803	6537.32	-9.66	1187.56	-47.0	2813.7<<	33.0

BARRA	803	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	803	7183.15>>	234.08	2810.91	70.0	7164.6	282.3
	803	-7585.14<<	507.37	3823.06	-321.9	11685.1	326.7
	803	-7444.65	632.14	4828.88	-324.6	14688.7>>	559.1
	803	6451.93	107.06	1303.06	-59.2	2854.3<<	77.6
	804	7171.00>>	234.08	2537.68	70.0	10259.4	13.0
	804	-7555.15<<	503.18	3538.88	-318.4	15902.7	-254.6
	804	-2364.72	619.71	4750.62	-502.6	20244.5>>	-161.4
	804	2689.44	111.81	1010.87	-56.1	4159.0<<	-65.2

BARRA	804	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	804	7171.00>>	234.08	2537.68	70.0	10259.4	13.0
	804	-7555.15<<	503.18	3538.88	-318.4	15902.7	-254.6
	804	-2364.72	619.71	4750.62	-502.6	20244.5>>	-161.4
	804	2689.44	111.81	1010.87	-56.1	4159.0<<	-65.2
	805	7156.91>>	234.08	2325.09	70.0	13074.5	-256.4
	805	-7527.10<<	498.98	3315.33	-314.9	19828.2	-831.0
	805	-2340.47	611.17	4570.03	-575.3	25585.5>>	-873.9
	805	2673.56	111.81	854.45	-56.1	5249.8<<	-193.8

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	805	7466.97>>	6.76	3527.98	157.2	24565.5	-853.0
	805	-7315.12<<	13.80	1412.38	-118.6	9616.4	-229.3
	805	-1947.82	2.13	3948.18	-335.4	26009.5>>	-867.1
	805	2757.89	6.41	669.09	-58.1	5295.0<<	-161.7
	806	7446.09>>	6.76	3303.76	157.2	28511.5	-860.8
	806	-7294.25<<	13.80	1202.11	-118.6	11102.0	-245.2
	806	-1930.39	1.02	3745.56	-389.3	30425.7>>	-867.4
	806	2737.01	6.41	513.33	-58.1	5992.6<<	-169.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	806	7446.09>>	6.76	3303.76	157.2	28511.5	-860.8
	806	-7294.25<<	13.80	1202.11	-118.6	11102.0	-245.2
	806	-1930.39	1.02	3745.56	-389.3	30425.7>>	-867.4
	806	2737.01	6.41	513.33	-58.1	5992.6<<	-169.0
	807	7425.22>>	6.76	3079.55	157.2	32199.5	-868.5
	807	-7273.37<<	13.80	991.84	-118.6	12345.8	-261.1
	807	-1918.36	-1.33	3600.47	-521.3	34660.5>>	-850.7
	807	2716.14	6.41	357.58	-58.1	6511.1<<	-176.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	807	7455.36>>	-173.82	2466.36	262.8	32416.0	-917.4
	807	-7232.42<<	-25.63	866.55	-112.3	12455.8	-191.6
	807	-1883.83	-165.34	2889.72	-237.5	35078.3>>	-876.9
	807	2738.69	-19.26	258.10	-57.8	6554.7<<	-147.0
	808	7434.49>>	-173.82	2242.14	262.8	35141.1	-717.6
	808	-7211.55<<	-25.63	656.28	-112.3	13313.7	-162.2
	808	-1872.87	-160.40	2760.10	-387.0	38301.5>>	-665.8
	808	2717.82	-19.26	102.34	-57.8	6779.7<<	-124.9
	809	7413.61>>	-173.82	2017.93	262.8	37608.3	-517.6
	809	-7190.68<<	-25.63	446.01	-112.3	13929.9	-132.7
	809	-1856.92	-156.99	2599.37	-472.7	41341.6>>	-472.2
	809	2696.94	-19.26	-53.41	-57.8	6875.5<<	-102.7

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	809	7353.68>>	-162.67	1520.42	204.5	37820.8	-608.2
	809	-7179.63<<	-20.62	300.98	-112.3	13888.2	-100.8
	809	-1903.44	-148.02	1885.51	-184.2	41749.1>>	-520.3
	809	2704.77	-15.70	-153.31	-59.7	6868.9<<	-79.6
	810	7332.80>>	-166.86	1296.20	208.0	39458.1	-418.8
	810	-7158.76<<	-20.62	90.71	-112.3	14095.8	-77.0
	810	-1885.71	-145.88	1686.08	-236.1	43798.2>>	-345.2
	810	2683.90	-15.70	-309.06	-59.7	6620.7<<	-61.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	810	7332.80>>	-166.86	1296.20	208.0	39458.1	-418.8
	810	-7158.76<<	-20.62	90.71	-112.3	14095.8	-77.0
	810	-1885.71	-145.88	1686.08	-236.1	43798.2>>	-345.2
	810	2683.90	-15.70	-309.06	-59.7	6620.7<<	-61.5
	811	7311.93>>	-171.05	1071.98	211.4	40837.5	-224.5
	811	-7137.89<<	-20.62	-119.56	-112.3	14061.5	-53.4
	811	-1871.01	-141.21	1557.29	-380.3	45681.4>>	-172.5
	811	2663.02	-15.70	-464.82	-59.7	6193.4<<	-43.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	811	7240.77>>	-107.14	441.67	129.5	39095.2	-287.4
	811	-7132.50<<	-11.69	-90.43	-127.4	16006.4	-30.7
	811	-1926.64	-93.10	834.82	-73.5	46076.9>>	-221.3
	811	2668.70	-6.28	-565.65	-63.3	6237.7<<	-22.7
	812	7219.90>>	-111.33	217.45	133.0	39491.9	-161.8
	812	-7111.63<<	-11.69	-300.70	-127.4	15763.8	-17.3
	812	-6922.32	-80.79	746.36	-221.0	47002.4>>	-107.4
	812	6361.38	-13.36	-750.39	-63.8	5484.4<<	-18.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	812	7219.90>>	-111.33	217.45	133.0	39491.9	-161.8
	812	-7111.63<<	-11.69	-300.70	-127.4	15763.8	-17.3
	812	-6922.32	-80.79	746.36	-221.0	47002.4>>	-107.4
	812	6361.38	-13.36	-750.39	-63.8	5484.4<<	-18.2
	813	7199.03>>	-115.52	-6.77	136.5	39630.7	-31.3
	813	-7090.76<<	-11.69	-510.97	-127.4	15279.4	-3.8
	813	-6903.06	-79.60	595.68	-317.6	47749.5>>	-14.5
	813	6340.51	-13.36	-906.15	-63.8	4549.6<<	-2.8

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	813	7140.26>>	-62.05	-713.17	40.7	36369.4	-90.6
	813	-7086.39<<	-1.88	-401.20	-101.2	18762.3	13.1
	813	-6933.78	-39.22	-106.30	-45.6	48139.7>>	-33.2
	813	6339.38	-6.11	-1008.34	-69.2	4595.4<<	1.6
	814	7119.39>>	-66.24	-937.39	44.2	35438.0	-16.8
	814	-7065.51<<	-1.88	-611.47	-101.2	18162.4	15.3
	814	-6913.60	-38.65	-258.03	-142.9	47892.4>>	12.1
	814	6318.50	-6.11	-1164.10	-69.2	3363.9<<	8.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	814	7119.39>>	-66.24	-937.39	44.2	35438.0	-16.8
	814	-7065.51<<	-1.88	-611.47	-101.2	18162.4	15.3
	814	-6913.60	-38.65	-258.03	-142.9	47892.4>>	12.1
	814	6318.50	-6.11	-1164.10	-69.2	3363.9<<	8.7
	815	7098.51>>	-70.43	-1161.60	47.6	34248.7	61.8
	815	-7044.64<<	-1.88	-821.74	-101.2	17320.6	17.4
	815	-6892.98	-38.15	-457.13	-192.3	47466.8>>	56.1
	815	6297.63	-6.11	-1319.85	-69.2	1953.3<<	15.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	815	7059.98>>	-10.55	-1507.87	-186.5	33065.1	28.5
	815	-7038.80<<	5.56	-960.03	-92.5	17386.8	34.2
	815	-6911.09	-13.26	-1110.39	45.8	47851.1>>	42.9
	815	6297.12	0.57	-1423.52	-78.9	2000.6<<	20.7
	816	7039.11>>	-14.74	-1732.08	-183.0	31219.8	43.0
	816	-7017.93<<	5.56	-1170.30	-92.5	16144.2	27.8
	816	-6889.95	-12.99	-1311.02	0.3	46442.0>>	58.1
	816	6276.24	0.57	-1579.28	-78.9	291.7<<	20.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	816	7039.11>>	-14.74	-1732.08	-183.0	31219.8	43.0
	816	-7017.93<<	5.56	-1170.30	-92.5	16144.2	27.8
	816	-6889.95	-12.99	-1311.02	0.3	46442.0>>	58.1
	816	6276.24	0.57	-1579.28	-78.9	291.7<<	20.0
	817	7018.24>>	-18.93	-1956.30	-179.6	29116.7	62.4
	817	-6997.06<<	5.56	-1380.57	-92.5	14659.8	21.4
	817	-6868.76	-12.46	-1436.37	-145.4	44859.1>>	72.4
	817	6255.37	0.57	-1735.04	-78.9	-1596.4<<	19.4

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	817	6999.08>>	15.07	-2436.16	-157.7	29252.1	68.6
	817	-6992.76<<	15.55	-1520.87	-82.9	14727.0	39.2
	817	-6882.88	9.61	-2155.25	198.5	45221.2>>	65.9
	817	6252.67	12.23	-1840.43	-96.3	-1547.5<<	26.1
	818	6978.21>>	15.07	-2660.38	-157.7	26339.2	51.2
	818	-6971.89<<	15.55	-1731.14	-82.9	12839.4	21.4
	818	-6861.59	9.92	-2315.02	114.7	42663.4>>	54.9
	818	6231.79	12.23	-1996.19	-96.3	-3735.8<<	12.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	818	6978.21>>	15.07	-2660.38	-157.7	26339.2	51.2
	818	-6971.89<<	15.55	-1731.14	-82.9	12839.4	21.4
	818	-6861.59	9.92	-2315.02	114.7	42663.4>>	54.9
	818	6231.79	12.23	-1996.19	-96.3	-3735.8<<	12.1
	819	6957.34>>	15.07	-2884.60	-157.7	23168.5	33.9
	819	-6951.02<<	15.55	-1941.41	-82.9	10710.0	3.5
	819	1877.84	3.29	-2458.55	-26.9	39930.2>>	50.8
	819	-2506.49	19.39	-2134.24	-95.8	-6109.3<<	-9.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	819	6933.77>>	64.45	-3371.61	-113.4	23127.2	38.3
	819	-6954.22<<	37.22	-2091.44	-84.6	10794.5	14.5
	819	1851.83	40.83	-3153.02	296.4	40282.7>>	39.4
	819	-2504.64	41.15	-2241.80	-125.6	-6058.5<<	16.9
	820	6912.90>>	64.45	-3595.83	-113.4	19138.6	-35.8
	820	-6933.35<<	33.02	-2303.37	-81.2	8249.8	-25.9
	820	1831.79	41.44	-3311.72	213.6	36589.1>>	-7.8
	820	-2483.77	41.15	-2397.56	-125.6	-8743.9<<	-30.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	820	6912.90>>	64.45	-3595.83	-113.4	19138.6	-35.8
	820	-6933.35<<	33.02	-2303.37	-81.2	8249.8	-25.9
	820	1831.79	41.44	-3311.72	213.6	36589.1>>	-7.8
	820	-2483.77	41.15	-2397.56	-125.6	-8743.9<<	-30.4
	821	6892.02>>	64.45	-3820.04	-113.4	14892.1	-109.9
	821	-6912.47<<	28.83	-2515.30	-77.7	5461.4	-61.5
	821	1812.78	42.59	-3435.87	74.2	32707.6>>	-57.2
	821	-2462.89	41.15	-2553.31	-125.6	-11608.3<<	-77.8

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	821	6870.35>>	81.84	-2944.34	-277.1	2618.8	-45.6
	821	-6926.78<<	107.79	-4054.26	134.2	18210.9	-90.0
	821	1782.62	98.82	-4151.45	469.5	33060.1>>	-53.6
	821	-2461.85	68.66	-2663.80	-174.6	-11555.3<<	-46.2
	822	6849.68>>	81.84	-3168.56	-277.1	-878.4	-139.7
	822	-6905.90<<	103.60	-4266.19	137.7	13409.0	-211.6
	822	916.03	89.61	-3784.57	288.0	28326.4>>	-147.3
	822	-2440.97	68.66	-2819.56	-174.6	-14725.9<<	-125.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	822	6849.68>>	81.84	-3168.56	-277.1	-878.4	-139.7
	822	-6905.90<<	103.60	-4266.19	137.7	13409.0	-211.6
	822	916.03	89.61	-3784.57	288.0	28326.4>>	-147.3
	822	-2440.97	68.66	-2819.56	-174.6	-14725.9<<	-125.1
	823	6828.81>>	81.84	-3392.77	-277.1	-4633.5	-233.8
	823	-6885.03<<	99.41	-4478.12	141.2	8363.4	-328.2
	823	1529.03	77.39	-3114.21	178.1	24025.6>>	-233.6
	823	-1764.08	80.79	-3796.06	-173.6	-18364.5<<	-224.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	823	6850.30>>	106.55	-3791.88	-486.9	-13773.3	-245.8
	823	-6919.45<<	103.45	-4776.38	377.6	17965.6	-301.0
	823	1513.29	101.94	-3676.55	529.3	24305.6>>	-237.9
	823	-1743.66	84.12	-3948.02	-241.0	-18290.2<<	-183.5
	824	6829.43>>	106.55	-4003.81	-486.9	-18238.1	-368.3
	824	-6898.58<<	99.26	-5000.59	381.1	12326.2	-417.6
	824	1499.18	105.34	-3769.98	439.7	20023.2>>	-363.7
	824	-1722.79	84.12	-4159.95	-241.0	-22970.0<<	-280.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	824	6829.43>>	106.55	-4003.81	-486.9	-18238.1	-368.3
	824	-6898.58<<	99.26	-5000.59	381.1	12326.2	-417.6
	824	1499.18	105.34	-3769.98	439.7	20023.2>>	-363.7
	824	-1722.79	84.12	-4159.95	-241.0	-22970.0<<	-280.2
	825	6808.56>>	106.55	-4215.73	-486.9	-22946.7	-490.9
	825	-6877.71<<	95.07	-5224.81	384.6	6428.9	-529.3
	825	1485.59	108.76	-3852.06	332.5	15618.0>>	-497.6
	825	-1701.92	84.12	-4371.88	-241.0	-27893.4<<	-377.0

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	825	6909.78>>	-44.00	-5027.70	-445.8	-20538.4	-647.4
	825	-6855.37<<	-31.94	-5047.76	343.3	4747.3	-464.9
	825	1532.29	-4.61	-4416.56	747.4	15909.6>>	-535.8
	825	-1630.05	-34.24	-4528.23	-352.5	-27818.8<<	-373.8
	826	6888.30>>	-44.00	-5239.62	-445.8	-26424.4	-596.8
	826	-6834.50<<	-36.13	-5271.98	346.8	-1204.2	-425.8
	826	1521.84	-4.19	-4508.03	658.4	10776.3>>	-540.8
	826	-1609.18	-34.24	-4740.15	-352.5	-33165.7<<	-334.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	826	6888.30>>	-44.00	-5239.62	-445.8	-26424.4	-596.8
	826	-6834.50<<	-36.13	-5271.98	346.8	-1204.2	-425.8
	826	1521.84	-4.19	-4508.03	658.4	10776.3>>	-540.8
	826	-1609.18	-34.24	-4740.15	-352.5	-33165.7<<	-334.4
	827	6867.43>>	-44.00	-5451.55	-445.8	-32554.2	-546.2
	827	-6813.63<<	-40.32	-5496.20	350.3	-7413.6	-381.8
	827	1512.51	-4.36	-4588.14	546.9	5525.4>>	-542.1
	827	-1588.30	-34.24	-4952.08	-352.5	-38756.5<<	-295.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	827	6958.46>>	-668.70	-5774.75	-539.7	-24806.1	-689.0
	827	-6887.00<<	-428.41	-5916.47	564.0	-14612.0	-604.1
	827	1532.43	-476.32	-5230.31	1069.8	5863.1>>	-732.7
	827	-1592.27	-412.57	-5057.24	-559.5	-38694.7<<	-386.8
	828	6930.80>>	-668.70	-5986.01	-539.7	-31554.2	80.4
	828	-6873.30<<	-432.60	-6141.35	567.5	-21566.5	-108.9
	828	-5174.90	-204.19	-2925.03	231.7	1092.3>>	-46.4
	828	6751.39	-726.14	-8077.54	223.9	-46244.5<<	-49.7
	829	6901.21>>	-668.70	-6257.90	-539.7	-38580.4	849.8
	829	-6861.55<<	-436.80	-6426.87	570.9	-28814.6	391.2
	829	-5212.83	-145.78	-2817.71	79.8	-2145.9>>	159.4
	829	6724.23	-725.56	-8361.81	223.9	-55684.3<<	784.8

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	829	6847.56>>	-225.60	-8600.68	200.5	-48857.0	885.3
	829	-6768.91<<	-169.56	-4951.35	188.3	-17994.8	220.3
	829	-5165.28	-49.14	-3095.94	115.5	-2084.8>>	152.7
	829	6736.95	-213.27	-8646.18	291.6	-55426.6<<	727.4
	830	6826.69>>	-225.60	-8873.24	200.5	-58886.9	1144.7
	830	-6748.04<<	-173.76	-5236.20	191.8	-23870.3	417.7
	830	-5148.59	-49.14	-3296.61	115.5	-5774.6>>	209.2
	830	6716.08	-213.27	-8931.03	291.6	-65515.9<<	972.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	830	6826.69>>	-225.60	-8873.24	200.5	-58886.9	1144.7
	830	-6748.04<<	-173.76	-5236.20	191.8	-23870.3	417.7
	830	-5148.59	-49.14	-3296.61	115.5	-5774.6>>	209.2
	830	6716.08	-213.27	-8931.03	291.6	-65515.9<<	972.7
	831	6805.81>>	-225.60	-9145.80	200.5	-69230.1	1404.2
	831	-6727.16<<	-177.95	-5521.05	195.3	-30073.4	619.9
	831	-5131.89	-49.14	-3497.28	115.5	-9695.2>>	265.7
	831	6695.21	-213.27	-9215.88	291.6	-75932.7<<	1217.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	831	6096.56>>	21.99	8771.26	-587.2	-57727.0	940.2
	831	-6235.39<<	107.44	5776.04	1391.7	-41075.5	1071.8
	831	-1928.79	33.26	3507.89	133.0	-9780.4>>	323.6
	831	2171.39	23.63	9867.44	289.8	-75524.5<<	1156.4
	832	6075.69>>	21.99	8498.70	-587.2	-47779.1	915.0
	832	-6214.52<<	103.25	5491.19	1395.2	-34614.5	950.7
	832	-1913.01	33.73	3309.54	120.3	-5874.8>>	285.5
	832	2150.69	22.43	9553.98	324.7	-64339.0<<	1125.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	832	6075.69>>	21.99	8498.70	-587.2	-47779.1	915.0
	832	-6214.52<<	103.25	5491.19	1395.2	-34614.5	950.7
	832	-1913.01	33.73	3309.54	120.3	-5874.8>>	285.5
	832	2150.69	22.43	9553.98	324.7	-64339.0<<	1125.6
	833	6054.82>>	21.99	8226.14	-587.2	-38144.6	809.7
	833	-6193.65<<	99.06	5206.34	1398.7	-28481.1	834.4
	833	-1896.31	33.73	3108.87	120.3	-2198.3>>	246.7
	833	2131.74	15.99	8799.63	532.1	-53595.5<<	1124.9

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	833	5735.60>>	275.74	4958.73	439.7	-27664.6	587.0
	833	-6625.41<<	776.37	7610.72	280.9	-30846.0	1417.5
	833	-2034.45	166.09	2949.52	85.4	-2165.9>>	309.7
	833	1600.44	733.39	8403.17	385.6	-53430.8<<	1389.3
	834	5723.45>>	275.74	4685.51	439.7	-22098.7	269.7
	834	-6595.42<<	772.17	7326.54	284.3	-30270.4	526.8
	834	-2016.46	232.90	3000.55	37.5	1151.5>>	153.0
	834	1585.50	732.15	8117.32	379.1	-43909.1<<	543.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	834	5723.45>>	275.74	4685.51	439.7	-22098.7	269.7
	834	-6595.42<<	772.17	7326.54	284.3	-30270.4	526.8
	834	-2016.46	232.90	3000.55	37.5	1151.5>>	153.0
	834	1585.50	732.15	8117.32	379.1	-43909.1<<	543.7
	835	5709.36>>	275.74	4472.91	439.7	-16812.2	-47.6
	835	-6567.38<<	767.98	7102.99	287.8	-21986.8	-359.2
	835	4396.39	272.80	3221.78	-103.4	4734.0>>	-159.9
	835	-6436.47	726.47	7669.64	376.8	-34836.8<<	-297.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	835	6031.96>>	132.93	6659.12	-188.2	-19931.5	-350.4
	835	-6128.07<<	93.34	4413.78	720.4	-18071.4	-80.8
	835	4607.33	54.11	2798.08	82.1	4916.3>>	-137.1
	835	-5931.77	131.58	7426.60	244.0	-34684.0<<	-321.2
	836	6011.09>>	128.74	6447.19	-184.7	-12377.7	-500.9
	836	-6107.20<<	93.34	4189.56	720.4	-13142.1	-188.2
	836	4587.40	49.64	2730.92	-37.0	8092.1>>	-210.6
	836	-5910.90	131.58	7202.39	244.0	-26290.1<<	-472.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	836	6011.09>>	128.74	6447.19	-184.7	-12377.7	-500.9
	836	-6107.20<<	93.34	4189.56	720.4	-13142.1	-188.2
	836	4587.40	49.64	2730.92	-37.0	8092.1>>	-210.6
	836	-5910.90	131.58	7202.39	244.0	-26290.1<<	-472.6
	837	5990.21>>	124.55	6235.27	-181.2	-5067.6	-646.5
	837	-6086.33<<	93.34	3965.34	720.4	-8470.7	-295.5
	837	4620.90	79.25	4749.34	-581.4	12857.2>>	-532.1
	837	-5958.19	88.63	4370.00	782.9	-20236.2<<	-290.4

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BARRA	837	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	837	6077.31>>	-58.56	5732.97	-86.1	-4980.5	-603.2
	837	-6035.80<<	-29.01	3828.90	494.2	-8483.1	-289.1
	837	4684.87	-63.24	4194.96	-258.8	13211.8>>	-505.8
	837	-5915.75	-36.59	4243.51	542.6	-20287.8<<	-306.0
	838	6056.44>>	-62.75	5521.05	-82.7	1508.2	-533.4
	838	-6014.93<<	-29.01	3604.68	494.2	-4226.5	-255.8
	838	4663.03	-63.02	4117.53	-371.1	18005.0>>	-425.6
	838	-5894.88	-36.59	4031.59	542.6	-15547.4<<	-263.9

BARRA	838	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	838	6056.44>>	-62.75	5521.05	-82.7	1508.2	-533.4
	838	-6014.93<<	-29.01	3604.68	494.2	-4226.5	-255.8
	838	4663.03	-63.02	4117.53	-371.1	18005.0>>	-425.6
	838	-5894.88	-36.59	4031.59	542.6	-15547.4<<	-263.9
	839	6035.57>>	-66.94	5309.12	-79.2	7753.2	-458.9
	839	-5994.06<<	-29.01	3300.46	494.2	-227.7	-222.4
	839	5138.36	-66.39	4877.35	-468.8	22743.3>>	-377.8
	839	-5849.25	-29.35	3811.37	547.7	-11051.6<<	-269.3

BARRA	839	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	839	6036.05>>	-87.01	4857.31	-118.9	7808.9	-444.1
	839	-5993.88<<	-51.97	3251.82	332.2	-246.4	-227.7
	839	5119.12	-84.14	4311.79	-203.0	23091.1>>	-357.5
	839	-5844.81	-47.60	3685.10	365.2	-11078.4<<	-263.7
	840	6015.18>>	-91.21	4645.38	-115.4	13290.7	-341.6
	840	-5973.00<<	-51.97	3027.60	332.2	3346.7	-167.9
	840	5098.18	-81.53	4177.61	-317.0	27996.4>>	-253.3
	840	-5353.20	-50.32	2694.09	368.8	-7763.1<<	-165.1

BARRA	840	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	840	6015.18>>	-91.21	4645.38	-115.4	13290.7	-341.6
	840	-5973.00<<	-51.97	3027.60	332.2	3346.7	-167.9
	840	5098.18	-81.53	4177.61	-317.0	27996.4>>	-253.3
	840	-5353.20	-50.32	2694.09	368.8	-7763.1<<	-165.1
	841	5994.30>>	-95.40	4433.46	-112.0	18528.6	-234.3
	841	-5952.13<<	-51.97	2803.39	332.2	6681.7	-108.2
	841	5080.75	-84.69	4544.20	-419.7	33245.9>>	-149.1
	841	-5335.93	-43.27	1909.97	361.4	-5405.4<<	-115.5

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BARRA	841	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	841	5972.17>>	-57.57	3983.57	-153.0	18710.3	-226.6
	841	-5966.41<<	-38.41	2676.75	206.5	6687.3	-114.4
	841	5054.62	-55.91	3951.43	-176.3	33582.3>>	-161.4
	841	-5345.50	-32.85	1814.27	244.5	-5417.4<<	-116.3
	842	5951.29>>	-61.76	3771.65	-149.5	23187.2	-158.0
	842	-5945.54<<	-38.41	2452.53	206.5	9619.0	-70.2
	842	5035.66	-54.58	3815.35	-291.0	38072.3>>	-95.0
	842	-5324.63	-32.85	1658.52	244.5	-3438.2<<	-78.5

BARRA	842	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	842	5951.29>>	-61.76	3771.65	-149.5	23187.2	-158.0
	842	-5945.54<<	-38.41	2452.53	206.5	9619.0	-70.2
	842	5035.66	-54.58	3815.35	-291.0	38072.3>>	-95.0
	842	-5324.63	-32.85	1658.52	244.5	-3438.2<<	-78.5
	843	5930.42>>	-65.95	3559.72	-146.1	27420.4	-84.6
	843	-5924.67<<	-38.41	2228.32	206.5	12292.8	-26.1
	843	5017.09	-53.47	3678.04	-401.4	42394.1>>	-31.9
	843	-5303.76	-32.85	1502.76	244.5	-1638.1<<	-40.7

BARRA	843	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	843	5912.46>>	-22.14	3138.07	-177.4	27712.1	-74.4
	843	-5936.48<<	-18.36	2067.66	112.8	12207.2	-27.4
	843	4998.65	-23.87	3080.70	-165.5	42724.7>>	-37.3
	843	-5312.51	-16.05	1407.15	158.5	-1635.2<<	-39.4
	844	5891.58>>	-26.33	2926.14	-174.0	31216.6	-46.5
	844	-5915.61<<	-18.36	1843.44	112.8	14438.4	-6.3
	844	4980.86	-23.42	2943.65	-281.5	46205.4>>	-9.6
	844	-5291.64	-16.05	1251.40	158.5	-124.3<<	-20.9

BARRA	844	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	844	5891.58>>	-26.33	2926.14	-174.0	31216.6	-46.5
	844	-5915.61<<	-18.36	1843.44	112.8	14438.4	-6.3
	844	4980.86	-23.42	2943.65	-281.5	46205.4>>	-9.6
	844	-5291.64	-16.05	1251.40	158.5	-124.3<<	-20.9
	845	5870.71>>	-30.52	2714.21	-170.5	34477.5	-13.8
	845	-5894.74<<	-18.36	1619.22	112.8	16411.7	14.8
	845	4963.27	-23.04	2805.47	-393.0	49513.6>>	17.0
	845	-5270.77	-16.05	1095.64	158.5	1207.6<<	-2.5

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	845	5861.22>>	-0.18	2256.28	-194.5	34670.6	-4.6
	845	-5899.68<<	-3.63	1489.18	46.7	16439.2	18.1
	845	4954.77	-4.72	2205.01	-159.3	49841.1>>	16.5
	845	-5274.84	-4.02	999.25	95.8	1227.7<<	0.5
	846	5840.35>>	-4.37	2044.35	-191.0	37161.2	-2.0
	846	-5878.81<<	-3.63	1264.96	46.7	18005.1	22.2
	846	5703.75	-5.44	2315.26	-319.5	52331.6>>	23.3
	846	-5253.97	-4.02	843.50	95.8	2263.6<<	5.1

BARRA	846	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	846	5840.35>>	-4.37	2044.35	-191.0	37161.2	-2.0
	846	-5878.81<<	-3.63	1264.96	46.7	18005.1	22.2
	846	5703.75	-5.44	2315.26	-319.5	52331.6>>	23.3
	846	-5253.97	-4.02	843.50	95.8	2263.6<<	5.1
	847	5819.48>>	-8.57	1832.43	-187.5	39408.0	5.5
	847	-5857.93<<	-3.63	1040.74	46.7	19313.2	26.4
	847	5682.49	-5.36	2169.75	-414.8	54915.4>>	29.4
	847	-5233.10	-4.02	687.74	95.8	3126.4<<	9.7

BARRA	847	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	847	5819.19>>	10.96	1243.19	-181.1	38061.6	14.4
	847	-5861.21<<	0.05	1037.38	-20.7	20891.6	28.6
	847	5680.24	3.21	1474.01	-162.0	55303.8>>	30.9
	847	-5233.53	1.26	590.23	50.4	3148.9<<	12.6
	848	5798.32>>	6.77	1031.27	-177.6	39387.0	4.2
	848	-5840.33<<	0.05	813.16	-20.7	21938.0	28.5
	848	5659.16	3.25	1326.86	-258.7	56918.6>>	27.1
	848	-5212.66	1.26	434.48	50.4	3720.5<<	11.1

BARRA	848	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	848	5798.32>>	6.77	1031.27	-177.6	39387.0	4.2
	848	-5840.33<<	0.05	813.16	-20.7	21938.0	28.5
	848	5659.16	3.25	1326.86	-258.7	56918.6>>	27.1
	848	-5212.66	1.26	434.48	50.4	3720.5<<	11.1
	849	5777.45>>	2.58	819.34	-174.2	40468.8	-1.2
	849	-5819.46<<	0.05	588.94	-20.7	22726.5	28.5
	849	5638.15	3.34	1208.27	-403.5	58376.0>>	23.2
	849	-5191.79	1.26	278.72	50.4	4112.9<<	9.7

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BARRA	849	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	849	5783.33>>	21.14	55.87	-244.4	37474.3	18.6
	849	-5819.92<<	-0.31	761.73	-40.7	25820.5	25.8
	849	5640.36	4.33	484.34	-99.4	58758.6>>	26.7
	849	-5190.42	1.67	179.98	17.1	4141.9<<	11.6
	850	5762.46>>	16.95	-156.05	-240.9	37434.4	-3.3
	850	-5799.05<<	-0.31	537.51	-40.7	26549.9	26.2
	850	5619.55	4.40	362.42	-241.8	59245.8>>	21.6
	850	-5169.54	1.67	24.22	17.1	4241.7<<	9.7

BARRA	850	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	850	5762.46>>	16.95	-156.05	-240.9	37434.4	-3.3
	850	-5799.05<<	-0.31	537.51	-40.7	26549.9	26.2
	850	5619.55	4.40	362.42	-241.8	59245.8>>	21.6
	850	-5169.54	1.67	24.22	17.1	4241.7<<	9.7
	851	5741.59>>	12.76	-367.98	-237.5	37150.7	-20.4
	851	-5778.17<<	-0.31	313.30	-40.7	27021.4	26.5
	851	5598.76	4.44	165.34	-291.1	59568.2>>	16.5
	851	-5144.91	2.68	-305.64	10.4	3989.0<<	6.1

BARRA	851	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	851	5758.13>>	14.72	-837.08	-229.6	37382.2	11.8
	851	-5779.30<<	-0.48	181.14	-60.5	27045.7	23.3
	851	5603.57	2.15	-482.86	-72.6	59952.3>>	22.2
	851	-5141.69	0.75	-406.13	-12.4	4024.4<<	9.7
	852	5737.25>>	10.53	-1049.01	-226.2	36315.4	-2.7
	852	-5758.43<<	-0.48	-43.08	-60.5	27107.4	23.9
	852	1753.58	-0.14	-631.89	-118.4	59314.8>>	17.3
	852	-2284.34	2.48	-598.76	-12.3	3441.9<<	10.6

BARRA	852	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	852	5737.25>>	10.53	-1049.01	-226.2	36315.4	-2.7
	852	-5758.43<<	-0.48	-43.08	-60.5	27107.4	23.9
	852	1753.58	-0.14	-631.89	-118.4	59314.8>>	17.3
	852	-2284.34	2.48	-598.76	-12.3	3441.9<<	10.6
	853	5716.38>>	6.34	-1260.93	-222.7	35004.8	-12.4
	853	-5737.56<<	-0.48	-267.29	-60.5	26911.2	24.4
	853	1733.03	-0.07	-752.28	-264.3	58569.8>>	17.4
	853	-2263.46	2.48	-754.52	-12.3	2646.0<<	7.8

LAV SANT BOI ETJU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	853	5730.33>>	9.01	-1736.44	-209.5	35142.0	16.2
	853	-5737.29<<	-0.72	-401.80	-67.9	26963.8	23.9
	853	1736.55	-2.36	-1402.75	-32.8	58938.6>>	20.9
	853	-2258.66	0.79	-856.47	-31.2	2685.5<<	14.8
	854	5709.45>>	4.82	-1948.36	-206.1	33040.9	8.3
	854	-5716.42<<	-0.72	-626.02	-67.9	26355.1	24.7
	854	1715.90	-2.32	-1601.55	-78.3	57222.9>>	23.6
	854	-2237.79	0.79	-1012.22	-31.2	1593.3<<	13.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	854	5709.45>>	4.82	-1948.36	-206.1	33040.9	8.3
	854	-5716.42<<	-0.72	-626.02	-67.9	26355.1	24.7
	854	1715.90	-2.32	-1601.55	-78.3	57222.9>>	23.6
	854	-2237.79	0.79	-1012.22	-31.2	1593.3<<	13.9
	855	5688.58>>	0.63	-2160.29	-202.6	30696.1	5.1
	855	-5695.54<<	-0.72	-850.24	-67.9	25488.6	25.5
	855	1695.40	-2.29	-1748.96	-174.8	55337.8>>	26.3
	855	-2216.92	0.79	-1167.98	-31.2	322.0<<	13.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	855	5696.98>>	11.05	-2676.62	-192.5	38311.1	31.9
	855	-5694.63<<	0.85	-943.52	-61.8	18142.6	28.2
	855	1698.40	-0.03	-2441.91	109.4	55698.2>>	33.8
	855	-2213.91	2.63	-1271.42	-50.6	364.7<<	20.5
	856	5676.11>>	6.86	-2888.54	-189.0	35128.8	21.6
	856	-5673.76<<	0.85	-1167.74	-61.8	16911.0	27.3
	856	1678.36	0.04	-2573.07	-19.8	52850.1>>	34.0
	856	-2193.04	2.63	-1427.17	-50.6	-1204.7<<	17.5
	857	5655.24>>	2.67	-3100.47	-185.5	31702.8	16.1
	857	-5652.88<<	0.85	-1391.96	-61.8	15421.4	26.3
	857	1658.11	0.07	-2720.22	-116.0	49832.0>>	34.0
	857	-2172.16	2.63	-1582.93	-50.6	-2953.2<<	14.5

LAV SANT BOI ETJU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	857	5653.47>>	32.63	-3576.57	-171.4	31917.2	44.8
	857	-5655.96<<	2.04	-1550.00	-51.5	15646.0	27.2
	857	1657.65	14.81	-3415.12	191.0	50188.1>>	48.3
	857	-2172.73	12.70	-1688.08	-75.0	-2907.7<<	24.2
	858	5632.59>>	28.43	-3788.50	-167.9	27700.0	9.7
	858	-5635.09<<	2.04	-1774.21	-51.5	13716.9	24.8
	858	1638.89	14.97	-3571.45	107.7	46206.2>>	31.3
	858	-2151.86	12.70	-1843.83	-75.0	-4956.2<<	9.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	858	5632.59>>	28.43	-3788.50	-167.9	27700.0	9.7
	858	-5635.09<<	2.04	-1774.21	-51.5	13716.9	24.8
	858	1638.89	14.97	-3571.45	107.7	46206.2>>	31.3
	858	-2151.86	12.70	-1843.83	-75.0	-4956.2<<	9.6
	859	5611.72>>	24.24	-4000.42	-164.5	23239.1	-20.6
	859	-5614.22<<	2.04	-1998.43	-51.5	11529.9	22.5
	859	1619.43	15.18	-3692.42	-33.1	42049.2>>	14.1
	859	-2130.98	12.70	-1999.59	-75.0	-7183.9<<	-5.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	859	5596.22>>	85.73	-4482.81	-147.7	23363.7	15.3
	859	-5621.49<<	16.21	-2137.84	-29.8	11595.0	23.4
	859	1612.41	52.09	-4388.69	303.5	42402.8>>	39.6
	859	-2136.12	34.88	-2106.87	-110.2	-7135.8<<	9.3
	860	5575.35>>	81.54	-4694.74	-144.2	18104.3	-80.8
	860	-5600.62<<	16.21	-2362.05	-29.8	8989.8	4.8
	860	888.28	46.91	-4194.91	170.9	37613.1>>	-17.3
	860	-2115.25	34.88	-2262.62	-110.2	-9665.9<<	-30.9
	861	5554.47>>	77.34	-4906.67	-140.7	12601.2	-172.2
	861	-5579.74<<	16.21	-2586.27	-29.8	6126.9	-13.9
	861	873.14	47.63	-4333.30	59.4	32713.4>>	-72.3
	861	-2094.03	35.10	-2418.38	-110.2	-12375.2<<	-71.2

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	861	5552.76>>	168.26	-5399.14	-123.1	12739.4	-84.6
	861	-5607.09<<	27.84	-2719.33	-5.6	6184.4	-46.7
	861	864.60	97.44	-4937.02	395.4	33013.4>>	-34.9
	861	-2099.69	63.55	-2528.56	-163.6	-12324.3<<	-51.3
	862	5531.89>>	168.26	-5611.06	-123.1	6426.2	-278.1
	862	-5586.22<<	23.65	-2943.55	-2.2	2910.6	-76.3
	862	849.58	99.26	-5085.37	303.0	27271.7>>	-149.6
	862	-2078.81	63.55	-2684.32	-163.6	-15339.4<<	-124.4

BARRA	862	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	862	5531.89>>	168.26	-5611.06	-123.1	6426.2	-278.1
	862	-5586.22<<	23.65	-2943.55	-2.2	2910.6	-76.3
	862	849.58	99.26	-5085.37	303.0	27271.7>>	-149.6
	862	-2078.81	63.55	-2684.32	-163.6	-15339.4<<	-124.4
	863	5511.01>>	168.26	-5822.99	-123.1	-130.7	-471.6
	863	-5565.35<<	19.46	-3167.77	1.3	-621.1	-101.1
	863	1270.71	82.63	-4076.95	198.4	22135.2>>	-240.8
	863	-1484.52	83.16	-4061.27	-170.0	-19527.1<<	-227.0

BARRA	863	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	863	5542.48>>	191.92	-6308.56	-120.3	97.1	-389.3
	863	-5588.67<<	33.38	-3309.42	32.8	-551.5	-131.8
	863	1263.62	108.57	-4642.11	561.4	22418.4>>	-227.5
	863	-1460.24	87.01	-4213.97	-234.3	-19451.2<<	-178.8
	864	5521.60>>	191.92	-6520.48	-120.3	-7262.0	-610.0
	864	-5567.80<<	29.19	-3533.64	36.2	-4503.9	-167.8
	864	1249.34	111.76	-4732.96	471.7	17046.9>>	-361.1
	864	-1439.37	87.01	-4425.90	-234.3	-24436.9<<	-278.9

BARRA	864	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	864	5521.60>>	191.92	-6520.48	-120.3	-7262.0	-610.0
	864	-5567.80<<	29.19	-3533.64	36.2	-4503.9	-167.8
	864	1249.34	111.76	-4732.96	471.7	17046.9>>	-361.1
	864	-1439.37	87.01	-4425.90	-234.3	-24436.9<<	-278.9
	865	5500.73>>	191.92	-6732.41	-120.3	-14864.7	-830.7
	865	-5546.92<<	25.00	-3757.85	39.7	-8714.2	-198.9
	865	1235.68	114.98	-4812.70	364.3	11558.6>>	-502.2
	865	-1418.49	87.01	-4637.82	-234.3	-29666.2<<	-379.0

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA	865	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	865	5637.99>>	-25.42	-7228.07	-136.8	-14225.2	-827.7
	865	-5541.33<<	-30.36	-3902.15	80.9	-8639.8	-251.7
	865	1290.07	3.61	-5380.37	793.5	11854.5>>	-523.9
	865	-1343.12	-30.30	-4795.02	-342.1	-29589.6<<	-368.1
	866	5617.11>>	-25.42	-7439.99	-136.8	-22641.6	-798.5
	866	-5520.46<<	-34.55	-4126.37	84.3	-13273.9	-214.3
	866	1278.52	3.66	-5468.48	701.3	5639.8>>	-538.4
	866	-1322.43	-30.42	-5008.45	-338.5	-35243.5<<	-333.2

BARRA	866	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	866	5617.11>>	-25.42	-7439.99	-136.8	-22641.6	-798.5
	866	-5520.46<<	-34.55	-4126.37	84.3	-13273.9	-214.3
	866	1278.52	3.66	-5468.48	701.3	5639.8>>	-538.4
	866	-1322.43	-30.42	-5008.45	-338.5	-35243.5<<	-333.2
	867	5596.24>>	-25.42	-7651.92	-136.8	-31301.9	-769.3
	867	-5499.58<<	-38.75	-4350.59	87.8	-18165.9	-172.2
	867	1204.87	-4.87	-3378.41	172.8	1346.8>>	-256.8
	867	-1221.36	-20.38	-7930.64	182.5	-43684.9<<	-662.8

BARRA	867	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	867	5673.44>>	-808.76	-8384.08	-38.5	-37642.5	-973.7
	867	-5578.08<<	-252.65	-4369.47	139.2	-11272.5	-289.8
	867	1181.92	-241.51	-3735.99	482.5	1534.8>>	-345.0
	867	-1210.27	-682.51	-8398.09	272.3	-43424.3<<	-857.2
	868	5645.78>>	-808.76	-8595.34	-38.5	-47393.0	-43.2
	868	-5564.38<<	-256.84	-4594.36	142.7	-16447.1	3.2
	868	-4197.82	-222.64	-3466.65	268.2	-2603.4>>	-38.5
	868	5472.57	-678.94	-8869.45	273.7	-53407.5<<	-72.5
	869	5616.19>>	-808.76	-8867.23	-38.5	-57421.4	887.4
	869	-5552.63<<	-261.03	-4879.87	146.2	-21915.2	301.0
	869	-4233.59	-162.01	-3357.99	117.0	-6448.1>>	185.3
	869	5442.58	-678.94	-9153.63	273.7	-63758.3<<	708.7

BARRA	868	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	868	5645.78>>	-808.76	-8595.34	-38.5	-47393.0	-43.2
	868	-5564.38<<	-256.84	-4594.36	142.7	-16447.1	3.2
	868	-4197.82	-222.64	-3466.65	268.2	-2603.4>>	-38.5
	868	5472.57	-678.94	-8869.45	273.7	-53407.5<<	-72.5
	869	5616.19>>	-808.76	-8867.23	-38.5	-57421.4	887.4
	869	-5552.63<<	-261.03	-4879.87	146.2	-21915.2	301.0
	869	-4233.59	-162.01	-3357.99	117.0	-6448.1>>	185.3
	869	5442.58	-678.94	-9153.63	273.7	-63758.3<<	708.7

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	869	5605.64>>	-156.18	-9452.64	300.6	-50246.3	869.4
	869	-5455.89<<	-187.53	-5167.09	193.3	-28535.5	230.6
	869	-4170.94	-82.48	-3607.66	161.5	-6383.2>>	158.6
	869	5491.18	-131.82	-9483.14	361.4	-63492.1<<	711.3
	870	5584.77>>	-156.18	-9725.20	300.6	-61255.9	1049.0
	870	-5435.02<<	-191.72	-5451.94	196.8	-34659.2	448.6
	870	-4157.73	-82.72	-3803.44	140.3	-10660.0>>	253.1
	870	5474.67	-131.51	-9774.36	387.9	-74546.0<<	863.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	870	5584.77>>	-156.18	-9725.20	300.6	-61255.9	1049.0
	870	-5435.02<<	-191.72	-5451.94	196.8	-34659.2	448.6
	870	-4157.73	-82.72	-3803.44	140.3	-10660.0>>	253.1
	870	5474.67	-131.51	-9774.36	387.9	-74546.0<<	863.2
	871	5563.90>>	-156.18	-9997.76	300.6	-72578.9	1228.6
	871	-5414.15<<	-195.91	-5736.79	200.3	-41110.4	671.5
	871	-4141.03	-82.72	-4004.11	140.3	-15163.5>>	348.3
	871	5453.80	-131.51	-10059.21	387.9	-85932.6<<	1014.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	871	4782.35>>	-15.48	9459.13	662.7	-71000.5	1279.7
	871	-4845.93<<	117.26	5722.80	245.1	-42408.8	642.0
	871	-1744.24	36.68	3762.80	164.9	-15298.8>>	335.8
	871	2020.05	-3.58	10229.47	377.2	-85450.8<<	1074.5
	872	4761.48>>	-15.48	9186.57	662.7	-60261.6	1297.5
	872	-4825.05<<	113.07	5437.95	248.6	-36009.0	509.6
	872	-1727.54	36.68	3562.13	164.9	-11101.1>>	293.7
	872	2004.10	-11.74	9476.50	574.2	-74308.1<<	1077.9
	873	4740.61>>	-15.48	8914.01	662.7	-49836.0	1315.3
	873	-4804.18<<	108.88	5153.10	252.1	-29936.9	382.0
	873	-1714.71	36.88	3413.99	165.6	-7094.8>>	252.4
	873	1983.23	-11.74	9191.65	574.2	-63556.3<<	1091.4

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	873	4365.62>>	278.16	5198.82	543.3	-26665.0	600.0
	873	-5204.16<<	891.67	8679.98	-144.4	-54382.2	1543.1
	873	-1859.66	171.03	3261.80	122.5	-7065.1>>	324.9
	873	1437.36	717.62	8790.55	424.5	-63390.0<<	1361.4
	874	4353.47>>	278.16	4925.60	543.3	-20822.8	280.0
	874	-5174.18<<	887.48	8395.79	-140.9	-44576.3	519.7
	874	-1840.98	237.98	3272.74	66.5	-3357.1>>	162.6
	874	1425.60	717.62	8505.04	424.5	-53422.3<<	535.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	874	4353.47>>	278.16	4925.60	543.3	-20822.8	280.0
	874	-5174.18<<	887.48	8395.79	-140.9	-44576.3	519.7
	874	-1840.98	237.98	3272.74	66.5	-3357.1>>	162.6
	874	1425.60	717.62	8505.04	424.5	-53422.3<<	535.7
	875	4339.38>>	278.16	4713.00	543.3	-15260.1	-40.0
	875	-5146.13<<	883.29	8172.24	-137.4	-35062.5	-499.0
	875	3271.39	273.65	3432.55	-67.2	441.9>>	-155.8
	875	-4967.56	718.07	8107.82	422.9	-43790.0<<	-290.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	875	4676.99>>	159.45	7327.30	484.6	-30376.9	-339.5
	875	-4705.23<<	64.46	4389.91	116.5	-19265.0	-90.0
	875	3493.10	55.31	3048.68	95.4	627.1>>	-131.1
	875	-4461.75	127.51	7816.35	299.1	-43638.8<<	-325.2
	876	4656.12>>	159.45	7115.37	484.6	-22054.7	-522.8
	876	-4684.36<<	60.27	4165.69	120.0	-14363.3	-161.7
	876	3484.64	65.74	4422.31	-191.8	4182.5>>	-364.8
	876	-4454.93	108.88	5790.51	509.0	-34893.2<<	-273.2
	877	4635.25>>	159.45	6903.45	484.6	-13976.2	-706.2
	877	-4663.49<<	56.08	3941.48	123.4	-9719.3	-228.6
	877	3502.75	80.50	4963.83	-559.8	9823.9>>	-531.7
	877	-4480.78	84.65	4803.93	831.5	-29236.3<<	-281.9

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	877	4737.48>>	-70.27	6384.13	396.6	-13923.7	-733.0
	877	-4631.75<<	-18.43	3825.02	67.0	-9708.7	-158.3
	877	3567.97	-62.11	4410.25	-241.8	10276.9>>	-503.2
	877	-4444.88	-38.21	4679.51	581.5	-29289.6<<	-303.5
	878	4716.61>>	-74.46	6172.20	400.0	-6686.2	-649.7
	878	-4610.88<<	-18.43	3600.80	67.0	-5456.5	-137.1
	878	3546.49	-61.93	4333.45	-357.8	15328.5>>	-423.9
	878	-4424.18	-38.13	4466.24	586.0	-24048.2<<	-260.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	878	4716.61>>	-74.46	6172.20	400.0	-6686.2	-649.7
	878	-4610.88<<	-18.43	3600.80	67.0	-5456.5	-137.1
	878	3546.49	-61.93	4333.45	-357.8	15328.5>>	-423.9
	878	-4424.18	-38.13	4466.24	586.0	-24048.2<<	-260.0
	879	4695.73>>	-78.65	5960.27	403.5	307.7	-561.7
	879	-4590.01<<	-18.43	3376.59	67.0	-1462.2	-115.9
	879	3524.76	-60.14	4255.01	-465.8	20287.8>>	-342.8
	879	-4403.22	-38.10	4253.74	587.3	-19051.9<<	-216.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	879	4691.30>>	-114.31	5506.57	239.8	293.7	-563.6
	879	-4587.96<<	-26.18	3252.66	17.6	-1421.8	-110.8
	879	3525.96	-72.17	3700.20	-192.1	20624.0>>	-329.4
	879	-4417.22	-62.94	4128.19	404.1	-19077.5<<	-249.5
	880	4670.43>>	-118.50	5294.64	243.2	6522.1	-429.7
	880	-4567.08<<	-26.18	3028.44	17.6	2172.1	-80.7
	880	3841.70	-86.92	4892.38	-295.7	25276.7>>	-251.3
	880	-4038.22	-44.03	2524.49	392.8	-14753.7<<	-164.6
	881	4649.56>>	-122.69	5082.71	246.7	12506.8	-291.0
	881	-4546.21<<	-26.18	2804.23	17.6	5508.2	-50.6
	881	3821.53	-84.42	4755.98	-404.4	30847.2>>	-147.5
	881	-4017.35	-44.03	2368.73	392.8	-11957.8<<	-114.0

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	881	4613.66>>	-82.02	4663.26	111.7	12686.6	-302.2
	881	-4549.87<<	-16.13	2649.47	-24.2	5512.4	-44.4
	881	3795.02	-56.07	4163.93	-164.4	31182.4>>	-161.0
	881	-4028.93	-33.88	2274.79	271.0	-11970.8<<	-118.8
	882	4592.79>>	-86.21	4451.33	115.2	17945.2	-205.4
	882	-4529.00<<	-16.13	2425.25	-24.2	8412.6	-25.8
	882	3776.17	-54.74	4027.58	-279.1	35920.9>>	-94.5
	882	-4008.06	-33.88	2119.04	271.0	-9462.0<<	-79.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	882	4592.79>>	-86.21	4451.33	115.2	17945.2	-205.4
	882	-4529.00<<	-16.13	2425.25	-24.2	8412.6	-25.8
	882	3776.17	-54.74	4027.58	-279.1	35920.9>>	-94.5
	882	-4008.06	-33.88	2119.04	271.0	-9462.0<<	-79.9
	883	4571.92>>	-90.40	4239.40	118.7	22960.0	-103.9
	883	-4508.13<<	-16.13	2201.04	-24.2	11055.1	-7.2
	883	4364.87	-61.12	4264.57	-484.0	40817.9>>	-37.4
	883	-3987.19	-33.88	1963.28	271.0	-7132.4<<	-40.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	883	4539.65>>	-39.21	3787.53	15.1	23118.5	-111.6
	883	-4508.92<<	-3.91	2072.66	-55.0	11099.8	3.0
	883	4343.84	-27.35	3550.58	-185.1	41218.9>>	-43.5
	883	-3997.94	-17.45	1869.16	180.3	-7130.7<<	-43.5
	884	4518.78>>	-43.40	3575.60	18.6	27370.0	-64.1
	884	-4488.05<<	-3.91	1848.44	-55.0	13336.7	7.5
	884	4321.69	-26.80	3432.02	-330.1	45257.0>>	-11.8
	884	-3978.50	-17.25	1713.41	180.3	-5088.4<<	-23.3
	885	4497.91>>	-47.59	3363.68	22.0	31377.8	-11.8
	885	-4467.18<<	-3.91	1624.22	-55.0	15315.8	12.0
	885	4299.78	-26.33	3312.11	-469.5	49139.0>>	18.6
	885	-3957.63	-17.25	1557.65	180.3	-3225.2<<	-3.5

LAV SANT BOT ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	885	4479.11>>	-3.94	2472.39	-106.8	36735.9	-11.6
	885	-4466.75<<	-4.01	1932.07	-24.5	10154.4	16.3
	885	4289.99	-5.60	2584.60	-175.2	49535.4>>	17.7
	885	-3963.55	-5.47	1462.61	112.9	-3212.4<<	-4.0
	886	4458.24>>	-8.13	2260.46	-103.4	39475.0	-4.6
	886	-4445.88<<	-4.01	1707.85	-24.5	12229.6	20.9
	886	4268.55	-5.42	2475.24	-320.9	52455.0>>	24.0
	886	-3942.68	-5.47	1306.85	112.9	-1637.6<<	2.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	886	4458.24>>	-8.13	2260.46	-103.4	39475.0	-4.6
	886	-4445.88<<	-4.01	1707.85	-24.5	12229.6	20.9
	886	4268.55	-5.42	2475.24	-320.9	52455.0>>	24.0
	886	-3942.68	-5.47	1306.85	112.9	-1637.6<<	2.3
	887	4437.36>>	-12.32	2048.53	-99.9	41970.3	7.2
	887	-4425.01<<	-4.01	1483.64	-24.5	14047.1	25.5
	887	4247.31	-5.34	2329.68	-416.3	55222.1>>	30.1
	887	-3921.81	-5.47	1151.10	112.9	-242.0<<	8.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	887	4429.94>>	5.25	1589.85	-141.0	42152.7	7.5
	887	-4428.22<<	-0.40	1345.85	-53.3	14197.7	24.7
	887	4245.18	3.22	1634.36	-165.6	55609.6>>	31.6
	887	-3924.15	-0.32	1054.85	62.6	-220.8<<	7.9
	888	4409.07>>	1.06	1377.92	-137.6	43876.8	3.9
	888	-4407.34<<	-0.40	1121.63	-53.3	15598.8	25.2
	888	4224.11	3.27	1487.20	-262.3	57407.7>>	27.9
	888	-3903.28	-0.32	899.10	62.6	885.0<<	8.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	888	4409.07>>	1.06	1377.92	-137.6	43876.8	3.9
	888	-4407.34<<	-0.40	1121.63	-53.3	15598.8	25.2
	888	4224.11	3.27	1487.20	-262.3	57407.7>>	27.9
	888	-3903.28	-0.32	899.10	62.6	885.0<<	8.3
	889	4388.20>>	-3.13	1165.99	-134.1	45357.2	5.1
	889	-4386.47<<	-0.40	897.41	-53.3	16742.1	25.6
	889	4203.13	3.35	1368.60	-407.1	59047.5>>	23.9
	889	-3882.41	-0.32	743.34	62.6	1811.7<<	8.6

LAV SANT BOT ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	889	4391.91>>	16.12	441.62	-225.8	36000.3	12.4
	889	-4388.40<<	-1.48	1033.44	-59.9	26193.4	21.7
	889	4205.43	4.36	645.12	-104.9	59429.5>>	27.5
	889	-3882.96	0.06	645.84	24.3	1839.2<<	7.0
	890	4371.03>>	11.93	229.70	-222.3	36404.0	-3.8
	890	-4367.53<<	-1.48	809.22	-59.9	27235.2	23.4
	890	4184.65	4.44	523.23	-247.3	60099.1>>	22.5
	890	-3862.09	0.06	490.08	24.3	2474.7<<	7.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	890	4371.03>>	11.93	229.70	-222.3	36404.0	-3.8
	890	-4367.53<<	-1.48	809.22	-59.9	27235.2	23.4
	890	4184.65	4.44	523.23	-247.3	60099.1>>	22.5
	890	-3862.09	0.06	490.08	24.3	2474.7<<	7.0
	891	4350.16>>	7.74	17.77	-218.8	36563.9	-15.1
	891	-4346.65<<	-1.48	585.00	-59.9	28019.3	25.0
	891	4163.88	4.47	326.18	-296.6	60605.6>>	17.3
	891	-3841.22	0.06	334.32	24.3	2931.0<<	6.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	891	4361.60>>	13.13	-599.81	-244.0	38841.7	8.3
	891	-4350.02<<	-5.06	603.12	-54.8	25994.5	17.2
	891	4168.77	2.21	-321.53	-80.2	60987.3>>	23.1
	891	-3841.29	-1.83	235.52	-6.0	2963.4<<	4.5
	892	4340.73>>	8.94	-811.74	-240.5	38047.7	-4.4
	892	-4329.14<<	-5.06	378.90	-54.8	26541.5	23.0
	892	4148.06	2.25	-520.31	-125.8	60523.1>>	20.6
	892	-3817.19	-0.75	-106.56	-11.0	3038.9<<	6.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	892	4340.73>>	8.94	-811.74	-240.5	38047.7	-4.4
	892	-4329.14<<	-5.06	378.90	-54.8	26541.5	23.0
	892	4148.06	2.25	-520.31	-125.8	60523.1>>	20.6
	892	-3817.19	-0.75	-106.56	-11.0	3038.9<<	6.6
	893	4319.85>>	4.74	-1023.66	-237.0	37010.0	-12.3
	893	-4308.27<<	-5.06	154.69	-54.8	26830.6	28.8
	893	1451.94	2.69	-596.05	-271.5	59937.6>>	16.4
	893	-1814.40	-1.03	-295.29	-11.1	2783.9<<	8.5

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BARRA	893	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	893	4331.89>>	7.42	-1498.02	-227.9	37146.9	12.8
	893	-4313.39<<	-5.29	20.98	-66.2	26881.1	18.2
	893	1458.76	0.42	-1246.00	-41.8	60303.9>>	26.0
	893	-1813.81	-2.72	-396.06	-35.6	2821.4<<	7.9
	894	4311.01>>	3.23	-1709.94	-224.4	35320.0	6.7
	894	-4292.52<<	-5.29	-203.24	-66.2	26758.6	24.3
	894	1438.13	0.45	-1444.73	-87.3	58767.5>>	25.6
	894	-1792.93	-2.72	-551.81	-35.6	2258.7<<	11.0

BARRA	894	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	894	4311.01>>	3.23	-1709.94	-224.4	35320.0	6.7
	894	-4292.52<<	-5.29	-203.24	-66.2	26758.6	24.3
	894	1438.13	0.45	-1444.73	-87.3	58767.5>>	25.6
	894	-1792.93	-2.72	-551.81	-35.6	2258.7<<	11.0
	895	4290.14>>	-0.96	-1921.87	-221.0	33249.4	5.3
	895	-4271.65<<	-5.29	-427.45	-66.2	26378.3	30.4
	895	1417.63	0.48	-1592.01	-183.8	57061.1>>	25.0
	895	-1772.06	-2.72	-707.57	-35.6	1516.9<<	14.1

BARRA	895	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	895	4296.60>>	9.34	-2394.45	-211.7	33460.8	28.4
	895	-4276.11<<	-3.58	-562.74	-67.2	26433.1	23.3
	895	1423.97	2.73	-2284.49	98.5	57420.0>>	38.7
	895	-1773.27	-0.86	-809.83	-60.7	1557.5<<	13.9
	896	4275.73>>	5.15	-2606.37	-208.2	30603.0	20.1
	896	-4255.24<<	-3.58	-786.96	-67.2	25639.3	27.3
	896	1404.17	2.71	-2441.02	14.8	54751.4>>	35.6
	896	-1752.39	-0.86	-965.59	-60.7	518.9<<	14.9

BARRA	896	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	896	4275.73>>	5.15	-2606.37	-208.2	30603.0	20.1
	896	-4255.24<<	-3.58	-786.96	-67.2	25639.3	27.3
	896	1404.17	2.71	-2441.02	14.8	54751.4>>	35.6
	896	-1752.39	-0.86	-965.59	-60.7	518.9<<	14.9
	897	4254.86>>	0.95	-2818.30	-204.7	27501.5	16.6
	897	-4234.37<<	-3.58	-1011.17	-67.2	24587.7	31.5
	897	1384.28	2.78	-2562.38	-126.8	51912.7>>	32.6
	897	-1731.52	-0.86	-1121.35	-60.7	-698.7<<	15.9

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BARRA	897	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	897	4251.21>>	31.39	-3299.64	-186.8	27659.7	41.4
	897	-4239.45<<	2.66	-1145.64	-62.8	24620.1	28.2
	897	1387.13	17.41	-3256.77	178.3	52267.5>>	52.7
	897	-1736.34	9.33	-1225.31	-91.0	-655.4<<	17.9
	898	4230.34>>	27.20	-3511.56	-183.3	23760.9	7.7
	898	-4218.58<<	2.66	-1369.86	-62.8	23156.0	25.2
	898	1367.06	17.52	-3412.91	95.1	48466.9>>	32.8
	898	-1715.47	9.33	-1381.07	-91.0	-2171.8<<	7.2

BARRA	898	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	898	4230.34>>	27.20	-3511.56	-183.3	23760.9	7.7
	898	-4218.58<<	2.66	-1369.86	-62.8	23156.0	25.2
	898	1367.06	17.52	-3412.91	95.1	48466.9>>	32.8
	898	-1715.47	9.33	-1381.07	-91.0	-2171.8<<	7.2
	899	4209.47>>	23.00	-3723.49	-179.8	19618.5	-21.2
	899	-4197.71<<	2.66	-1594.08	-62.8	21434.0	22.1
	899	1347.64	17.74	-3533.55	-45.8	44491.5>>	12.7
	899	-1694.60	9.33	-1536.82	-91.0	-3867.3<<	-3.5

BARRA	899	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	899	4192.42>>	84.40	-4170.22	-165.8	19724.8	12.8
	899	-4204.34<<	16.53	-1763.40	-50.8	21606.4	24.2
	899	1343.95	54.38	-4229.29	289.0	44844.1>>	44.0
	899	-1704.02	31.73	-1642.90	-132.5	-3821.5<<	3.1
	900	4171.55>>	80.21	-4382.14	-162.4	14824.9	-81.9
	900	-4183.47<<	16.53	-1987.61	-50.8	19431.8	5.2
	900	1324.23	54.83	-4384.85	206.6	39915.0>>	-18.8
	900	-1683.15	31.73	-1798.65	-132.5	-5818.1<<	-33.4

BARRA	900	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	900	4171.55>>	80.21	-4382.14	-162.4	14824.9	-81.9
	900	-4183.47<<	16.53	-1987.61	-50.8	19431.8	5.2
	900	1324.23	54.83	-4384.85	206.6	39915.0>>	-18.8
	900	-1683.15	31.73	-1798.65	-132.5	-5818.1<<	-33.4
	901	4150.67>>	76.02	-4594.07	-158.9	9681.3	-171.8
	901	-4162.60<<	16.53	-2211.83	-50.8	16999.5	-13.9
	901	775.05	49.45	-4119.90	47.5	35151.0>>	-73.0
	901	-1662.27	31.73	-1954.41	-132.5	-7993.8<<	-69.9

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	901	4145.90>>	166.01	-5085.75	-144.5	9828.7	-88.2
	901	-4187.75<<	28.88	-2343.65	-32.3	17046.5	-44.4
	901	769.18	98.95	-4723.06	380.8	35449.9>>	-30.9
	901	-1672.45	60.49	-2063.35	-192.7	-7945.4<<	-58.0
	902	4125.03>>	166.01	-5297.68	-144.5	3875.9	-279.1
	902	-4166.88<<	24.69	-2567.87	-28.8	14204.7	-75.1
	902	754.21	100.78	-4871.09	288.4	29955.4>>	-147.4
	902	-1651.58	60.49	-2219.11	-192.7	-10425.5<<	-127.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	902	4125.03>>	166.01	-5297.68	-144.5	3875.9	-279.1
	902	-4166.88<<	24.69	-2567.87	-28.8	14204.7	-75.1
	902	754.21	100.78	-4871.09	288.4	29955.4>>	-147.4
	902	-1651.58	60.49	-2219.11	-192.7	-10425.5<<	-127.6
	903	4104.15>>	166.01	-5509.61	-144.5	-2320.6	-470.0
	903	-4146.01<<	20.50	-2792.09	-25.4	11105.0	-101.1
	903	693.32	80.79	-4537.76	191.7	24610.7>>	-274.7
	903	-1596.72	68.64	-2953.28	-207.8	-13503.6<<	-205.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	903	4133.08>>	189.68	-5989.13	-145.5	-2089.9	-392.5
	903	-4167.57<<	34.28	-2937.81	-0.1	11167.5	-128.7
	903	713.17	125.19	-5147.02	560.2	24910.1>>	-230.8
	903	-1581.20	69.50	-3067.66	-288.4	-13448.0<<	-176.5
	904	4112.21>>	189.68	-6201.05	-145.5	-9081.6	-610.6
	904	-4146.70<<	30.09	-3162.03	3.3	7642.4	-165.7
	904	1027.62	108.42	-4367.74	460.4	19612.2>>	-361.4
	904	-1195.93	89.41	-4161.07	-277.7	-17922.4<<	-278.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	904	4112.21>>	189.68	-6201.05	-145.5	-9081.6	-610.6
	904	-4146.70<<	30.09	-3162.03	3.3	7642.4	-165.7
	904	1027.62	108.42	-4367.74	460.4	19612.2>>	-361.4
	904	-1195.93	89.41	-4161.07	-277.7	-17922.4<<	-278.4
	905	4091.34>>	189.68	-6412.98	-145.5	-16317.0	-828.7
	905	-4125.82<<	25.89	-3386.24	6.8	3859.5	-197.8
	905	1013.99	111.60	-4446.55	352.4	14548.1>>	-498.7
	905	-1174.23	89.70	-4373.86	-279.2	-22847.9<<	-382.4

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx [kN]	Fy (kN)	Fz (kN)	Mx [m.kN]	My (m.kN)	Mz (m.kN)
	905	4226.40>>	-27.93	-6908.14	-167.5	-15690.3	-830.1
	905	-4118.61<<	-28.93	-3529.11	41.4	3931.4	-247.0
	905	1064.61	0.28	-5013.05	775.9	14841.3>>	-527.3
	905	-1095.02	-28.60	-4530.13	-394.8	-22773.5<<	-365.5
	906	4205.53>>	-27.93	-7120.06	-167.5	-23738.9	-798.0
	906	-4097.73<<	-33.13	-3753.33	44.8	-273.7	-211.3
	906	1056.17	0.10	-4955.33	696.9	9063.3>>	-538.2
	906	-1076.80	-28.20	-4925.36	-407.7	-28134.8<<	-332.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	906	4205.53>>	-27.93	-7120.06	-167.5	-23738.9	-798.0
	906	-4097.73<<	-33.13	-3753.33	44.8	-273.7	-211.3
	906	1056.17	0.10	-4955.33	696.9	9063.3>>	-538.2
	906	-1076.80	-28.20	-4925.36	-407.7	-28134.8<<	-332.3
	907	4184.66>>	-27.93	-7331.99	-167.5	-32031.1	-765.9
	907	-4076.86<<	-37.32	-3977.55	48.3	-4736.7	-170.8
	907	977.64	-8.54	-2975.14	151.1	5586.0>>	-252.4
	907	-969.46	-18.03	-7709.69	135.0	-36755.5<<	-664.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	907	4271.07>>	-812.15	-8060.74	-75.6	-31570.5	-972.5
	907	-4141.75<<	-250.16	-3995.74	87.8	-4656.9	-282.8
	907	964.22	-245.78	-3323.33	451.9	5770.0>>	-347.2
	907	-945.75	-682.59	-8183.11	213.2	-36499.4<<	-849.6
	908	4243.42>>	-812.15	-8272.00	-75.6	-40948.9	-38.0
	908	-4128.05<<	-254.35	-4220.63	91.3	-9401.4	7.3
	908	-3084.95	-224.77	-3096.25	238.1	2141.7>>	-35.8
	908	4071.86	-682.15	-8599.50	214.0	-46226.3<<	-64.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	908	4243.42>>	-812.15	-8272.00	-75.6	-40948.9	-38.0
	908	-4128.05<<	-254.35	-4220.63	91.3	-9401.4	7.3
	908	-3084.95	-224.77	-3096.25	238.1	2141.7>>	-35.8
	908	4071.86	-682.15	-8599.50	214.0	-46226.3<<	-64.4
	909	4213.82>>	-812.15	-8543.89	-75.6	-50605.4	896.5
	909	-4116.30<<	-258.54	-4506.14	94.7	-14439.5	302.3
	909	-3120.91	-164.17	-2985.02	85.9	-1205.5>>	190.6
	909	4041.87	-682.15	-8883.68	214.0	-56266.6<<	720.5

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA	909	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	909	4190.52>>	-160.97	-9127.68	252.6	-50144.4	871.6
	909	-4032.76<<	-179.34	-4788.84	136.3	-14355.1	232.3
	909	-3075.00	-81.28	-3197.02	122.1	-1144.9>>	157.9
	909	4082.69	-133.18	-9255.28	289.3	-56005.9<<	722.0
	910	4169.64>>	-160.97	-9400.24	252.6	-60780.3	1056.8
	910	-4011.89<<	-183.53	-5073.69	139.8	-20043.7	441.0
	910	-3061.91	-81.66	-3392.35	100.8	-4946.0>>	251.2
	910	4066.33	-132.71	-9546.79	315.9	-66801.7<<	875.3

BARRA	910	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	910	4169.64>>	-160.97	-9400.24	252.6	-60780.3	1056.8
	910	-4011.89<<	-183.53	-5073.69	139.8	-20043.7	441.0
	910	-3061.91	-81.66	-3392.35	100.8	-4946.0>>	251.2
	910	4066.33	-132.71	-9546.79	315.9	-66801.7<<	875.3
	911	4148.77>>	-160.97	-9672.80	252.6	-71729.6	1241.9
	911	-3991.02<<	-187.72	-5358.54	143.2	-26059.9	654.4
	911	-3046.23	-82.26	-3571.38	90.2	-8966.6>>	346.2
	911	4047.91	-137.38	-10319.29	528.8	-78212.4<<	1013.2

BARRA	911	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	911	3405.72>>	-12.16	8788.41	617.0	-70230.3	1286.6
	911	-3465.36<<	108.90	4996.10	186.0	-27298.0	616.4
	911	-1496.63	37.55	3335.97	112.7	-8988.8>>	341.4
	911	1754.89	-12.38	9005.36	527.4	-77886.8<<	1052.7
	912	3384.85>>	-12.16	8515.85	617.0	-60262.7	1300.6
	912	-3444.49<<	104.70	4711.25	189.5	-21733.9	493.5
	912	-1480.86	37.80	3175.03	123.6	-5238.7>>	299.2
	912	1734.02	-12.38	8720.51	527.4	-67676.7<<	1067.0

BARRA	912	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	912	3384.85>>	-12.16	8515.85	617.0	-60262.7	1300.6
	912	-3444.49<<	104.70	4711.25	189.5	-21733.9	493.5
	912	-1480.86	37.80	3175.03	123.6	-5238.7>>	299.2
	912	1734.02	-12.38	8720.51	527.4	-67676.7<<	1067.0
	913	3363.98>>	-12.16	8243.29	617.0	-50608.5	1314.6
	913	-3423.62<<	100.51	4426.40	193.0	-16497.4	375.6
	913	-1464.16	37.80	2974.36	123.6	-1717.0>>	255.8
	913	1713.15	-12.38	8435.65	527.4	-57794.2<<	1081.2

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA	913	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	913	3001.34>>	276.75	4597.12	514.8	-28349.7	592.9
	913	-3794.39<<	883.17	7872.74	-193.2	-39991.9	1522.3
	913	-1598.63	167.28	2828.84	88.3	-1685.1>>	315.6
	913	1192.91	714.82	8023.76	391.3	-57623.9<<	1349.2
	914	2989.18>>	276.75	4323.90	514.8	-23199.8	274.5
	914	-3764.40<<	878.98	7588.56	-189.7	-31114.7	508.6
	914	-1580.59	233.99	2841.56	31.9	1449.3>>	157.6
	914	1181.15	714.82	7738.24	391.3	-48538.4<<	526.7

BARRA	914	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	914	2989.18>>	276.75	4323.90	514.8	-23199.8	274.5
	914	-3764.40<<	878.98	7588.56	-189.7	-31114.7	508.6
	914	-1580.59	233.99	2841.56	31.9	1449.3>>	157.6
	914	1181.15	714.82	7738.24	391.3	-48538.4<<	526.7
	915	2975.10>>	276.75	4111.30	514.8	-18329.4	-44.0
	915	-3736.35<<	874.79	7365.01	-186.2	-22529.7	-500.2
	915	2201.66	268.65	2988.31	-158.6	4698.8>>	-162.5
	915	-3550.79	716.31	7384.76	409.1	-39769.3<<	-297.2

BARRA	915	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	915	3299.71>>	158.84	6642.83	462.1	-32737.0	-340.1
	915	-3330.19<<	62.32	3661.81	89.8	-7448.0	-90.2
	915	2404.11	52.27	2612.19	72.3	4891.4>>	-135.1
	915	-3061.36	129.17	7049.21	278.6	-39616.0<<	-321.2
	916	3278.84>>	158.84	6430.90	462.1	-25201.9	-522.8
	916	-3309.32<<	58.13	3437.59	93.3	-3383.6	-159.5
	916	2437.78	82.29	4477.42	-479.8	8724.8>>	-435.9
	916	-3107.20	86.09	4407.73	819.4	-32718.6<<	-182.8

BARRA	916	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	916	3278.84>>	158.84	6430.90	462.1	-25201.9	-522.8
	916	-3309.32<<	58.13	3437.59	93.3	-3383.6	-159.5
	916	2437.78	82.29	4477.42	-479.8	8724.8>>	-435.9
	916	-3107.20	86.09	4407.73	819.4	-32718.6<<	-182.8
	917	3257.97>>	158.84	6218.97	462.1	-17910.5	-705.4
	917	-3288.44<<	53.94	3213.38	96.7	423.1	-223.9
	917	2417.99	77.86	4398.29	-589.8	13845.6>>	-528.9
	917	-3086.33	86.09	4195.80	819.4	-27789.2<<	-281.8

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	917	3359.06>>	-71.32	5698.76	386.2	-17861.2	-732.9
	917	-3257.90<<	-18.73	3093.65	51.4	442.1	-156.7
	917	2480.87	-64.50	3844.07	-266.0	14202.3>>	-505.1
	917	-3048.44	-36.08	4068.00	583.9	-27839.9<<	-299.8
	918	3338.19>>	-75.51	5486.84	389.7	-11411.8	-648.5
	918	-3237.03<<	-18.73	2869.44	51.4	3853.2	-135.2
	918	2459.27	-64.22	3765.23	-378.5	18607.4>>	-423.3
	918	-3027.56	-36.08	3856.08	583.9	-23301.3<<	-258.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	918	3338.19>>	-75.51	5486.84	389.7	-11411.8	-648.5
	918	-3237.03<<	-18.73	2869.44	51.4	3853.2	-135.2
	918	2459.27	-64.22	3765.23	-378.5	18607.4>>	-423.3
	918	-3027.56	-36.08	3856.08	583.9	-23301.3<<	-258.3
	919	3317.31>>	-79.70	5274.91	393.2	-5206.1	-559.2
	919	-3216.16<<	-18.73	2645.22	51.4	7006.4	-113.6
	919	2459.39	-63.31	3806.83	-503.7	22917.3>>	-337.6
	919	-3033.86	-34.92	3492.27	606.6	-19007.0<<	-219.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	919	3311.16>>	-115.44	4869.30	234.7	1814.0	-564.5
	919	-3220.41<<	-31.09	2445.81	19.6	143.9	-114.2
	919	2456.12	-75.42	3250.66	-221.4	23259.0>>	-332.7
	919	-3044.02	-59.75	3364.33	432.6	-19033.0<<	-245.5
	920	3290.29>>	-119.63	4657.37	238.2	7309.5	-429.4
	920	-3199.53<<	-31.09	2221.59	19.6	2809.9	-78.5
	920	2655.62	-84.11	4132.79	-306.4	27597.9>>	-253.7
	920	-2837.88	-48.02	2108.11	398.1	-15838.6<<	-161.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	920	3290.29>>	-119.63	4657.37	238.2	7309.5	-429.4
	920	-3199.53<<	-31.09	2221.59	19.6	2809.9	-78.5
	920	2655.62	-84.11	4132.79	-306.4	27597.9>>	-253.7
	920	-2837.88	-48.02	2108.11	398.1	-15838.6<<	-161.0
	921	3269.42>>	-123.83	4445.45	241.7	12561.3	-289.4
	921	-3178.66<<	-31.09	1997.38	19.6	5218.2	-42.7
	921	2635.51	-81.58	3995.36	-415.1	32296.2>>	-153.2
	921	-2817.00	-48.02	1952.35	398.1	-13521.6<<	-105.7

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	921	3231.58>>	-83.49	3996.11	112.5	12707.6	-304.2
	921	-3189.10<<	-21.50	1868.40	-8.6	5261.7	-49.9
	921	2612.52	-53.02	3401.08	-163.8	32634.9>>	-159.8
	921	-2834.16	-38.38	1857.17	281.1	-13532.9<<	-121.6
	922	3210.71>>	-87.68	3784.19	116.0	17198.9	-205.8
	922	-3168.23<<	-21.50	1644.18	-8.6	7263.8	-25.2
	922	2593.76	-51.66	3263.70	-278.5	36496.1>>	-96.7
	922	-2813.28	-38.38	1701.41	281.1	-11504.3<<	-77.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	922	3210.71>>	-87.68	3784.19	116.0	17198.9	-205.8
	922	-3168.23<<	-21.50	1644.18	-8.6	7263.8	-25.2
	922	2593.76	-51.66	3263.70	-278.5	36496.1>>	-96.7
	922	-2813.28	-38.38	1701.41	281.1	-11504.3<<	-77.5
	923	3189.84>>	-91.87	3572.26	119.5	21446.5	-102.5
	923	-3147.36<<	-21.50	1419.96	-8.6	9008.0	-0.5
	923	2575.35	-50.53	3125.13	-389.0	40185.0>>	-36.9
	923	-2792.41	-38.38	1545.66	281.1	-9655.0<<	-33.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	923	3155.81>>	-40.63	3150.44	33.5	21738.7	-113.9
	923	-3155.16<<	-10.07	1257.61	-38.6	8924.6	-3.7
	923	3007.21	-23.74	2679.69	-169.7	40547.6>>	-42.3
	923	-2808.80	-22.36	1450.32	194.6	-9651.6<<	-47.0
	924	3134.94>>	-44.82	2938.51	36.9	25257.6	-64.8
	924	-3134.29<<	-10.07	1033.40	-38.6	10224.3	7.9
	924	2985.17	-23.15	2559.83	-314.6	43580.8>>	-14.8
	924	-2787.93	-22.36	1294.56	194.6	-8091.0<<	-21.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	924	3134.94>>	-44.82	2938.51	36.9	25257.6	-64.8
	924	-3134.29<<	-10.07	1033.40	-38.6	10224.3	7.9
	924	2985.17	-23.15	2559.83	-314.6	43580.8>>	-14.8
	924	-2787.93	-22.36	1294.56	194.6	-8091.0<<	-21.3
	925	3114.07>>	-49.01	2726.58	40.4	28532.7	-10.8
	925	-3113.41<<	-10.07	809.18	-38.6	11266.1	19.5
	925	2963.63	-22.90	2413.87	-409.6	46455.6>>	11.6
	925	-2767.06	-22.36	1138.81	194.6	-6709.5<<	4.4

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	925	3094.73>>	-8.99	1939.33	-99.7	34744.5	-17.8
	925	-3120.52<<	-6.21	1006.57	20.6	5277.7	15.5
	925	2958.08	-2.28	1718.87	-146.9	46854.9>>	18.7
	925	-2778.83	-11.01	1042.55	130.5	-6695.1<<	-7.7
	926	3073.86>>	-13.18	1727.41	-96.3	36870.6	-5.1
	926	-3099.64<<	-6.21	782.36	20.6	6288.7	22.6
	926	2936.83	-2.18	1571.23	-243.5	48760.9>>	21.2
	926	-2757.96	-11.01	886.79	130.5	-5603.3<<	5.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	926	3073.86>>	-13.18	1727.41	-96.3	36870.6	-5.1
	926	-3099.64<<	-6.21	782.36	20.6	6288.7	22.6
	926	2936.83	-2.18	1571.23	-243.5	48760.9>>	21.2
	926	-2757.96	-11.01	886.79	130.5	-5603.3<<	5.0
	927	3052.99>>	-17.37	1515.48	-92.8	38752.9	12.5
	927	-3078.77<<	-6.21	558.14	20.6	7041.8	29.7
	927	2915.62	-1.99	1451.83	-388.0	50513.9>>	23.3
	927	-2737.09	-11.01	731.04	130.5	-4690.8<<	17.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	927	3045.05>>	10.25	1067.46	-191.1	38824.2	12.3
	927	-3081.66<<	-1.28	423.73	-4.3	7088.4	27.1
	927	2918.28	5.74	753.93	-123.8	50902.5>>	33.0
	927	-2745.23	-6.40	633.57	82.7	-4668.0<<	5.3
	928	3024.17>>	6.06	855.53	-187.6	39947.5	2.9
	928	-3060.79<<	-1.28	199.52	-4.3	7429.2	28.6
	928	2897.31	5.80	605.94	-220.5	51681.7>>	26.4
	928	-2725.28	-6.17	477.81	82.7	-4046.6<<	12.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	928	3024.17>>	6.06	855.53	-187.6	39947.5	2.9
	928	-3060.79<<	-1.28	199.52	-4.3	7429.2	28.6
	928	2897.31	5.80	605.94	-220.5	51681.7>>	26.4
	928	-2725.28	-6.17	477.81	82.7	-4046.6<<	12.8
	929	3003.30>>	1.87	643.61	-184.1	40827.2	-1.6
	929	-3039.92<<	-1.28	-24.70	-4.3	7512.0	30.3
	929	2876.49	5.90	486.14	-365.3	52297.1>>	19.5
	929	-2704.41	-6.17	322.06	82.7	-3604.4<<	19.9

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	929	3006.80>>	7.42	174.85	-185.1	40962.4	8.3
	929	-3039.86<<	-0.64	-160.63	-22.0	7562.5	29.5
	929	2883.59	5.86	-239.45	-48.6	52683.0>>	31.1
	929	-2710.56	-6.27	223.29	45.7	-3575.3<<	7.1
	930	2985.93>>	3.23	-37.07	-181.6	41059.3	2.2
	930	-3018.98<<	-0.64	-384.85	-22.0	7231.2	30.2
	930	1271.05	5.00	-311.22	-191.1	52355.3>>	23.7
	930	-1510.15	-5.47	-111.18	38.3	-3451.6<<	14.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	930	2985.93>>	3.23	-37.07	-181.6	41059.3	2.2
	930	-3018.98<<	-0.64	-384.85	-22.0	7231.2	30.2
	930	1271.05	5.00	-311.22	-191.1	52355.3>>	23.7
	930	-1510.15	-5.47	-111.18	38.3	-3451.6<<	14.8
	931	2965.06>>	-0.96	-249.00	-178.1	40912.5	0.9
	931	-2998.12<<	-0.64	-609.07	-22.0	6642.0	31.0
	931	1249.51	5.09	-508.64	-240.2	51897.6>>	17.9
	931	-1488.51	-4.81	-336.87	39.8	-3741.3<<	20.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	931	2971.69>>	6.10	-884.16	-181.0	43061.6	10.6
	931	-3001.28<<	-4.95	-582.20	-22.7	4680.1	28.9
	931	1257.75	2.85	-1159.00	-8.0	52274.3>>	29.9
	931	-1492.74	-6.23	-437.69	11.3	-3705.8<<	10.3
	932	2950.82>>	1.91	-1096.09	-177.5	41940.6	6.0
	932	-2980.40<<	-4.95	-806.41	-22.7	3863.9	34.6
	932	1237.15	2.89	-1358.13	-53.5	50842.2>>	26.6
	932	-1471.87	-6.23	-593.45	11.3	-4316.4<<	17.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	932	2950.82>>	1.91	-1096.09	-177.5	41940.6	6.0
	932	-2980.40<<	-4.95	-806.41	-22.7	3863.9	34.6
	932	1237.15	2.89	-1358.13	-53.5	50842.2>>	26.6
	932	-1471.87	-6.23	-593.45	11.3	-4316.4<<	17.4
	933	2929.95>>	-2.29	-1308.02	-174.0	40576.0	6.2
	933	-2959.53<<	-4.95	-1030.63	-22.7	2789.9	40.3
	933	1216.93	2.97	-1479.43	-199.1	49243.9>>	23.3
	933	-1451.00	-6.23	-749.20	11.3	-5106.1<<	24.6

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	933	2932.49>>	5.81	-1777.70	-144.1	40786.8	19.5
	933	-2963.36<<	-1.97	-1168.51	-46.1	2844.9	35.4
	933	1224.50	4.57	-2198.77	133.6	49606.0>>	38.1
	933	-1456.98	-4.63	-851.52	-16.3	-5066.9<<	14.9
	934	2911.61>>	1.62	-1989.63	-140.6	38638.2	15.3
	934	-2942.49<<	-1.97	-1392.73	-46.1	1354.5	37.7
	934	1204.55	4.66	-2331.02	4.4	47044.1>>	34.0
	934	-1436.11	-4.63	-1007.27	-16.3	-6153.3<<	20.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	934	2911.61>>	1.62	-1989.63	-140.6	38638.2	15.3
	934	-2942.49<<	-1.97	-1392.73	-46.1	1354.5	37.7
	934	1204.55	4.66	-2331.02	4.4	47044.1>>	34.0
	934	-1436.11	-4.63	-1007.27	-16.3	-6153.3<<	20.2
	935	2890.74>>	-2.58	-2201.56	-137.1	36246.0	15.8
	935	-2921.62<<	-1.97	-1616.95	-46.1	-393.8	40.0
	935	783.78	4.42	-2232.02	-87.9	44504.2>>	26.1
	935	-1415.23	-4.63	-1163.03	-16.3	-7418.9<<	25.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	935	2884.68>>	21.40	-2675.79	-92.1	36489.5	30.0
	935	-2927.90<<	9.77	-1754.46	-74.1	-364.9	40.2
	935	787.83	16.97	-2815.14	159.8	44802.9>>	46.5
	935	-1424.93	5.32	-1267.04	-48.2	-7376.4<<	18.0
	936	2863.81>>	17.21	-2887.72	-88.7	33308.2	7.8
	936	-2907.03<<	9.77	-1978.68	-74.1	-2529.1	29.0
	936	771.81	17.07	-2983.21	93.1	41499.2>>	27.1
	936	-1404.06	5.32	-1422.80	-48.2	-8940.8<<	11.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	936	2863.81>>	17.21	-2887.72	-88.7	33308.2	7.8
	936	-2907.03<<	9.77	-1978.68	-74.1	-2529.1	29.0
	936	771.81	17.07	-2983.21	93.1	41499.2>>	27.1
	936	-1404.06	5.32	-1422.80	-48.2	-8940.8<<	11.9
	937	2842.93>>	13.02	-3099.64	-85.2	29883.1	-9.6
	937	-2886.15<<	9.77	-2202.90	-74.1	-4951.2	17.7
	937	756.38	17.26	-3123.31	-19.5	38005.8>>	7.4
	937	-1383.18	5.32	-1578.56	-48.2	-10684.3<<	5.7

LAV SANT BOI ELU MOMENTO EXTERIOR

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	937	2825.40>>	62.93	-3543.84	-19.9	29853.6	10.1
	937	-2896.31<<	35.28	-2378.74	-110.7	-4737.0	25.6
	937	754.91	49.10	-3707.85	252.8	38301.8>>	38.0
	937	-1397.62	27.74	-1684.68	-90.3	-10638.9<<	2.8
	938	2804.53>>	58.74	-3755.76	-16.5	25674.0	-59.9
	938	-2875.44<<	35.28	-2602.96	-110.7	-7619.2	-15.0
	938	739.20	49.47	-3875.51	186.8	33961.0>>	-18.7
	938	-1376.75	27.74	-1840.44	-90.3	-12683.6<<	-29.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	938	2804.53>>	58.74	-3755.76	-16.5	25674.0	-59.9
	938	-2875.44<<	35.28	-2602.96	-110.7	-7619.2	-15.0
	938	739.20	49.47	-3875.51	186.8	33961.0>>	-18.7
	938	-1376.75	27.74	-1840.44	-90.3	-12683.6<<	-29.1
	939	2783.66>>	54.55	-3967.69	-13.0	21250.7	-125.0
	939	-2854.57<<	35.28	-2827.17	-110.7	-10759.2	-55.6
	939	724.28	50.21	-4014.85	75.4	29427.2>>	-76.7
	939	-1355.87	27.74	-1996.19	-90.3	-14907.3<<	-61.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	939	2772.92>>	130.02	-4448.26	64.9	21471.3	-58.2
	939	-2877.98<<	63.22	-2966.46	-163.0	-10694.4	-76.1
	939	719.08	99.74	-4617.60	407.7	29726.1>>	-33.2
	939	-1371.17	56.74	-2105.19	-150.5	-14859.0<<	-58.7
	940	2752.05>>	130.02	-4660.18	64.9	16251.6	-207.8
	940	-2857.10<<	59.03	-3190.68	-159.6	-14252.4	-146.4
	940	911.54	85.66	-3989.84	306.9	24814.9>>	-146.1
	940	-1143.28	72.92	-3051.48	-141.4	-18015.4<<	-128.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	940	2752.05>>	130.02	-4660.18	64.9	16251.6	-207.8
	940	-2857.10<<	59.03	-3190.68	-159.6	-14252.4	-146.4
	940	911.54	85.66	-3989.84	306.9	24814.9>>	-146.1
	940	-1143.28	72.92	-3051.48	-141.4	-18015.4<<	-128.4
	941	2731.18>>	130.02	-4872.11	64.9	10788.2	-357.3
	941	-2836.23<<	54.84	-3414.90	-156.1	-18068.3	-211.8
	941	897.44	88.03	-4037.15	202.7	20176.7>>	-250.4
	941	-1122.74	72.62	-3306.91	-147.9	-21667.4<<	-211.9

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	49	41053.59	1129.42>>	195.1	27422.9	0.00	19.94	0.81	3.98	0.068
	49	52463.43	-831.62<<	-324.7	10470.2	0.00	36.10	1.24	2.93	0.088
	49	41094.94	-98.55	408.5>>	2636.3	0.00	41.77	1.70	0.35	0.079
	49	52454.51	401.28	-540.4<<	36186.1	0.00	60.07	2.07	1.41	0.127
	50	41074.46	905.20>>	195.1	28575.0	0.00	19.95	0.81	3.19	0.059
	50	52474.21	-1042.22<<	-323.5	9513.9	0.00	35.96	1.24	3.67	0.097
	50	41115.81	-310.47	405.1>>	2383.2	0.00	41.42	1.69	1.09	0.084
	50	52433.64	177.06	-540.4<<	36536.2	0.00	60.06	2.07	0.62	0.120

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	50	41078.26	1106.35>>	195.1	28569.8	0.00	19.95	0.81	3.90	0.067
	50	52478.01	-841.07<<	-323.5	9508.8	0.00	35.96	1.24	2.96	0.088
	50	41119.61	-109.32	405.1>>	2378.1	0.00	41.42	1.69	0.38	0.078
	50	52437.43	378.21	-540.4<<	36531.0	0.00	60.06	2.07	1.33	0.126
	51	41131.18	882.64>>	195.8	29543.7	0.00	20.02	0.82	3.11	0.058
	51	52457.13	-1052.99<<	-326.9	8437.2	0.00	36.34	1.25	3.71	0.098
	51	41108.83	-319.27	403.8>>	2010.5	0.00	41.29	1.68	1.12	0.084
	51	52480.27	152.52	-542.0<<	36805.1	0.00	60.25	2.08	0.54	0.120

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	51	41207.64	638.31>>	301.2	7090.4	0.00	30.82	1.25	2.25	0.071
	51	52372.59	-1118.23<<	-428.7	30567.2	0.00	47.63	1.64	3.94	0.126
	51	45062.70	-291.09	428.9>>	395.2	0.00	45.22	1.73	1.03	0.091
	51	48488.98	-187.46	-563.7<<	38242.8	0.00	60.95	2.22	0.66	0.124
	52	41232.77	426.35>>	305.4	6168.6	0.00	31.26	1.27	1.50	0.065
	52	52347.46	-1340.76<<	-436.5	30687.1	0.00	48.49	1.67	4.72	0.138
	52	45083.57	-503.01	425.4>>	-79.2	0.00	44.86	1.72	1.77	0.097
	52	48468.10	-411.67	-563.7<<	37916.0	0.00	60.94	2.22	1.45	0.131

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	52	41230.62	617.39>>	305.4	6171.1	0.00	31.26	1.27	2.17	0.071
	52	52345.31	-1149.73<<	-436.5	30689.5	0.00	48.49	1.67	4.05	0.129
	52	45081.42	-311.98	425.4>>	-76.8	0.00	44.86	1.72	1.10	0.091
	52	48465.95	-220.64	-563.7<<	37918.4	0.00	60.94	2.22	0.78	0.125
	53	41251.49	407.12>>	305.4	6742.6	0.00	31.27	1.27	1.43	0.064
	53	52324.44	-1373.94<<	-440.0	29256.2	0.00	48.87	1.69	4.84	0.141
	53	45073.18	-519.22	424.3>>	-672.3	0.00	44.74	1.71	1.83	0.097
	53	48503.67	-445.13	-565.5<<	37505.8	0.00	61.16	2.23	1.57	0.133

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	53	41250.52	412.91>>	304.9	5801.2	0.00	31.21	1.27	1.45	0.064
	53	52255.01	-1698.88<<	-439.7	29829.5	0.00	48.82	1.69	5.98	0.156
	53	45086.11	-518.38	455.5>>	-1524.5	0.00	48.04	1.84	1.83	0.105
	53	48445.63	-770.28	-592.1<<	38081.5	0.00	64.01	2.33	2.71	0.152
	54	41271.39	202.64>>	304.9	6137.5	0.00	31.21	1.27	0.71	0.058
	54	52234.14	-1923.09<<	-439.7	27764.6	0.00	48.81	1.69	6.77	0.167
	54	45106.99	-730.31	452.0>>	-2260.2	0.00	47.68	1.82	2.57	0.112
	54	48424.76	-994.50	-592.1<<	37084.4	0.00	64.00	2.33	3.50	0.161

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	54	41265.53	393.58>>	304.9	6144.2	0.00	31.21	1.27	1.39	0.063
	54	52228.27	-1732.15<<	-439.7	27771.2	0.00	48.81	1.69	6.10	0.158
	54	45101.12	-539.37	452.0>>	-2253.5	0.00	47.68	1.82	1.90	0.105
	54	48418.90	-803.56	-592.1<<	37091.1	0.00	64.00	2.33	2.83	0.153
	55	41286.40	183.31>>	304.9	6458.3	0.00	31.22	1.27	0.65	0.057
	55	52207.40	-1956.36<<	-439.7	25668.2	0.00	48.80	1.69	6.89	0.169
	55	45097.14	-743.92	451.0>>	-3099.5	0.00	47.57	1.82	2.62	0.112
	55	48448.05	-1026.84	-594.3<<	36012.6	0.00	64.24	2.34	3.62	0.163

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	55	41266.57	188.00>>	297.2	5474.2	0.00	30.43	1.24	0.66	0.056
	55	52183.03	-2284.38<<	-436.0	26139.4	0.00	48.37	1.67	8.04	0.185
	55	45079.71	-790.22	488.8>>	-2519.1	0.00	51.54	1.97	2.78	0.123
	55	48390.83	-1312.65	-628.6<<	35040.6	0.00	67.93	2.48	4.62	0.185
	56	41287.44	-22.27>>	297.2	5551.8	0.00	30.43	1.24	0.08	0.052
	56	52162.16	-2508.60<<	-436.0	23401.1	0.00	48.37	1.67	8.83	0.197
	56	45100.58	-1014.44	485.3>>	-3574.5	0.00	51.19	1.96	3.57	0.131
	56	48369.95	-1524.57	-628.6<<	33426.8	0.00	67.92	2.48	5.37	0.195

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	56	46602.62	168.42>>	297.2	13173.1	0.00	31.70	1.19	0.59	0.057
	56	57477.34	-2317.92<<	-436.0	31022.3	0.00	50.09	1.62	8.16	0.192
	56	50415.76	-823.76	485.3>>	4046.8	0.00	53.20	1.89	2.90	0.127
	56	53685.13	-1333.89	-628.6<<	41048.1	0.00	70.46	2.39	4.70	0.191
	57	46623.49	-41.85>>	297.2	13228.0	0.00	31.70	1.19	0.15	0.054
	57	57456.46	-2542.13<<	-436.0	28245.4	0.00	50.08	1.62	8.95	0.204
	57	50417.78	-1037.93	484.3>>	2883.6	0.00	53.09	1.88	3.65	0.136
	57	53702.19	-1543.67	-631.1<<	39373.7	0.00	70.74	2.40	5.44	0.201

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	57	46624.28	-31.69>>	291.3	12241.9	0.00	31.07	1.16	0.11	0.052
	57	57460.88	-2866.38<<	-418.0	28690.8	0.00	48.02	1.55	10.09	0.218
	57	50419.28	-1035.21	538.6>>	2032.8	0.00	59.04	2.09	3.65	0.150
	57	53690.95	-1860.40	-665.7<<	39671.9	0.00	74.62	2.53	6.55	0.227
	58	46645.15	-241.97>>	291.3	12066.9	0.00	31.08	1.16	0.85	0.057
	58	57440.01	-3090.59<<	-418.0	25283.3	0.00	48.01	1.55	10.88	0.231
	58	50440.16	-1259.42	535.1>>	695.8	0.00	58.66	2.08	4.43	0.159
	58	53670.08	-2070.67	-665.7<<	37429.3	0.00	74.61	2.53	7.29	0.238
BARRA	58	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	58	46641.98	-51.48>>	291.3	12095.2	0.00	31.08	1.16	0.18	0.053
	58	57436.84	-2900.11<<	-418.0	25311.7	0.00	48.01	1.55	10.21	0.220
	58	50436.99	-1068.94	535.1>>	724.1	0.00	58.66	2.08	3.76	0.150
	58	53666.91	-1880.19	-665.7<<	37457.6	0.00	74.61	2.53	6.62	0.228
	59	46662.86	-261.76>>	291.3	11897.3	0.00	31.08	1.16	0.92	0.058
	59	57415.97	-3124.33<<	-418.0	21865.1	0.00	48.01	1.55	11.00	0.233
	59	50435.71	-1296.54	534.4>>	-625.8	0.00	58.58	2.08	4.57	0.160
	59	53657.06	-2103.16	-668.2<<	35237.9	0.00	74.89	2.54	7.41	0.240
BARRA	59	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	59	46662.73	-247.70>>	287.0	10907.4	0.00	30.62	1.15	0.87	0.057
	59	57428.90	-3446.49<<	-387.4	22266.1	0.00	44.49	1.44	12.14	0.244
	59	50442.82	-1233.80	607.9>>	-670.2	0.00	66.65	2.36	4.34	0.178
	59	53655.03	-2457.82	-709.5<<	34603.0	0.00	79.50	2.70	8.65	0.271
	60	46683.61	-457.97>>	287.0	10484.3	0.00	30.63	1.15	1.61	0.063
	60	57408.03	-3670.71<<	-387.4	18191.7	0.00	44.48	1.44	12.93	0.258
	60	50463.70	-1458.02	604.4>>	-2235.4	0.00	66.28	2.35	5.13	0.187
	60	53634.16	-2668.09	-709.5<<	31673.6	0.00	79.49	2.70	9.40	0.283
BARRA	60	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	60	46676.93	-268.64>>	287.0	10521.6	0.00	30.63	1.15	0.95	0.057
	60	57401.35	-3481.38<<	-387.4	18219.0	0.00	44.48	1.44	12.26	0.246
	60	50457.02	-1268.69	604.4>>	-2208.1	0.00	66.27	2.35	4.47	0.178
	60	53627.48	-2478.76	-709.5<<	31700.9	0.00	79.49	2.70	8.73	0.272
	61	46697.80	-478.91>>	287.0	10063.8	0.00	30.63	1.14	1.69	0.064
	61	57380.48	-3705.59<<	-387.4	14103.8	0.00	44.47	1.44	13.05	0.260
	61	50475.30	-1497.54	604.0>>	-3800.7	0.00	66.23	2.35	5.27	0.189
	61	53607.95	-2704.36	-711.9<<	28763.4	0.00	79.76	2.71	9.52	0.286

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	61	46725.75	-451.56>>	287.3	8433.2	0.00	19.99	0.75	1.59	0.042
	61	57393.36	-4026.09<<	-356.5	14512.7	0.55	40.94	1.32	14.18	0.273
	61	50450.38	-1468.11	706.2>>	-4866.6	0.00	77.42	2.74	5.17	0.216
	61	53619.62	-3010.24	-773.1<<	29011.0	0.00	86.61	2.94	10.60	0.321
	62	46746.62	-661.83>>	187.3	7775.1	0.00	19.99	0.75	2.33	0.049
	62	57372.48	-4250.30<<	-356.5	9771.3	1.40	40.93	1.32	14.97	0.287
	62	50471.25	-1692.32	702.7>>	-6701.7	0.00	77.05	2.73	5.96	0.226
	62	53590.75	-3220.51	-773.1<<	25445.9	0.00	86.60	2.94	11.34	0.333
BARRA	62	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	62	46736.46	-472.72>>	187.3	7799.1	0.00	19.99	0.75	1.66	0.043
	62	57362.33	-4061.19<<	-356.5	9795.3	0.69	40.93	1.32	14.30	0.275
	62	50461.10	-1503.22	702.7>>	-6677.7	0.00	77.05	2.73	5.29	0.217
	62	53588.60	-3031.40	-773.1<<	25469.8	0.00	86.60	2.94	10.67	0.322
	63	46757.34	-682.99>>	187.3	7116.7	0.00	20.00	0.75	2.41	0.050
	63	57341.46	-4285.41<<	-356.5	5013.5	1.54	40.93	1.32	15.09	0.289
	63	50502.38	-1733.36	702.5>>	-8555.8	0.00	77.05	2.73	6.10	0.228
	63	53557.68	-3259.61	-775.5<<	21861.5	0.00	86.84	2.95	11.48	0.336
BARRA	63	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	63	46775.67	-634.23>>	-9.8	5593.6	0.00	1.05	0.04	2.23	0.019
	63	57329.57	-4603.78<<	-315.7	5336.3	2.76	36.23	1.17	16.21	0.300
	63	57357.63	-1706.89	853.7>>	-337.6	0.00	98.00	3.17	6.01	0.280
	63	46634.75	-3561.21	-868.9<<	13018.3	0.90	92.70	3.47	12.54	0.370
	64	46796.54	-844.50>>	-9.8	4725.6	0.00	1.05	0.04	2.97	0.028
	64	57308.70	-4827.99<<	-315.7	-69.3	3.61	36.23	1.17	17.00	0.314
	64	57336.76	-1931.10	850.2>>	-2411.8	0.00	97.59	3.15	6.80	0.291
	64	46655.62	-3771.48	-868.9<<	8784.2	1.76	92.71	3.47	13.28	0.383
BARRA	64	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	64	46733.76	-664.49>>	-9.8	4760.4	0.00	1.05	0.04	2.34	0.021
	64	57245.92	-4647.99<<	-315.7	-34.5	2.94	36.21	1.17	16.37	0.302
	64	57273.98	-1751.10	850.2>>	-2377.0	0.00	97.55	3.16	6.17	0.281
	64	46592.84	-3591.48	-868.9<<	8819.0	1.03	92.67	3.47	12.65	0.372
	65	46754.63	-874.76>>	-9.8	3857.3	0.00	1.05	0.04	3.08	0.029
	65	57225.05	-4872.21<<	-315.7	-5491.2	3.80	36.21	1.17	17.16	0.317
	65	57298.36	-1982.57	850.2>>	-4523.8	0.00	97.57	3.15	6.98	0.293
	65	46591.27	-3822.26	-871.1<<	4489.9	1.98	92.90	3.48	13.46	0.386

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	65	46648.88	-833.88>>	1.8	3828.1	0.00	0.19	0.01	2.94	0.026
	65	57036.98	-5199.06<<	-281.5	-5181.8	5.08	32.25	1.05	18.31	0.331
	65	57060.22	-1935.80	1106.4>>	-5125.2	0.00	126.77	4.11	6.82	0.373
	65	46457.74	-4151.21	-1036.6<<	4088.5	3.35	110.44	4.14	14.62	0.456
	66	46669.75	-1044.15>>	1.8	2730.7	0.00	0.19	0.01	3.68	0.035
	66	57016.11	-5423.28<<	-281.5	-11271.9	5.94	32.25	1.05	19.10	0.346
	66	57107.38	-2168.62	1103.1>>	-7496.1	0.00	126.43	4.10	7.64	0.385
	66	46478.61	-4361.48	-1036.6<<	-823.9	4.21	110.46	4.14	15.36	0.469

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	66	46581.07	-872.38>>	1.8	2733.9	0.00	0.19	0.01	3.07	0.028
	66	56927.43	-5251.52<<	-281.5	-11268.6	5.31	32.23	1.05	18.49	0.334
	66	57018.70	-1996.86	1103.1>>	-7492.8	0.00	126.36	4.10	7.03	0.375
	66	46389.93	-4189.72	-1036.6<<	-820.6	3.53	110.39	4.14	14.75	0.458
	67	46601.94	-1082.65>>	1.8	1592.1	0.00	0.19	0.01	3.81	0.037
	67	56906.56	-5475.73<<	-281.5	-17419.1	6.17	32.22	1.05	19.28	0.349
	67	56997.83	-2221.08	1103.1>>	-9900.5	0.00	126.34	4.10	7.82	0.387
	67	46376.67	-4423.08	-1038.6<<	-5884.5	4.49	110.59	4.15	15.58	0.473

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	67	46379.67	-2531.72>>	21.7	1503.6	0.00	2.31	0.09	8.92	0.109
	67	56286.90	-7621.19<<	-285.5	-17131.4	14.52	32.55	1.07	26.84	0.503
	67	56539.76	-3989.95	1539.9>>	-10477.6	0.58	175.86	5.74	14.05	0.643
	67	45890.83	-6228.12	-1351.9<<	-5680.3	12.03	143.43	5.43	21.93	0.690
	68	46393.82	-2742.66>>	21.7	-1548.4	0.00	2.31	0.09	9.66	0.120
	68	56258.86	-7844.74<<	-285.5	-26011.2	15.39	32.55	1.07	27.62	0.519
	68	56593.23	-4225.96	1537.3>>	-15239.2	1.47	175.62	5.73	14.88	0.657
	68	45904.97	-6439.06	-1351.9<<	-12985.4	12.69	143.45	5.43	22.67	0.704

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	68	58935.95	-2937.50>>	21.7	4432.8	0.00	2.51	0.08	10.34	0.139
	68	68800.99	-8039.58<<	-285.5	-20030.0	13.10	35.08	0.99	28.31	0.554
	68	69135.36	-4420.80	1537.3>>	-9258.0	0.00	189.24	5.32	15.57	0.702
	68	58447.10	-6633.90	-1351.9<<	-7004.2	10.19	156.27	4.98	23.36	0.761
	69	58948.15	-3209.07>>	21.7	878.9	0.00	1.28	0.04	3.17	0.031
	69	68771.00	-8323.76<<	-285.5	-29426.1	1.96	17.81	0.55	8.22	0.142
	69	69105.37	-4704.98	1537.3>>	-14490.4	0.00	96.09	2.96	4.64	0.136
	69	58416.52	-6929.87	-1353.9<<	-14968.4	0.00	79.81	2.76	6.84	0.160

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^é +(Td/Tu1)^é
	69	59009.55	-2524.64>>	47.1	778.3	0.00	2.79	0.10	2.49	0.022
	69	69162.83	-7709.89<<	-293.4	-29158.4	0.00	18.35	0.56	7.61	0.128
	69	69261.19	-3716.04	1989.2>>	-15120.6	0.00	124.43	3.83	3.67	0.156
	69	58746.73	-6595.71	-1650.9<<	-14697.6	0.00	97.51	3.36	6.51	0.175
	70	59030.42	-2795.55>>	47.1	-2298.7	0.00	2.79	0.10	2.76	0.025
	70	69141.96	-7994.74<<	-293.4	-38171.1	0.55	18.35	0.56	7.89	0.135
	70	69240.32	-4000.89	1985.7>>	-19540.4	0.00	124.20	3.82	3.95	0.160
	70	58767.60	-6066.61	-1650.9<<	-22456.4	0.00	97.52	3.36	6.78	0.180

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^é +(Td/Tu1)^é
	70	59070.12	-4224.72>>	47.1	-2245.4	0.00	2.79	0.10	4.17	0.047
	70	69181.66	-9423.92<<	-293.4	-38117.8	6.12	18.35	0.56	9.30	0.171
	70	69280.02	-5430.07	1985.7>>	-19487.1	0.00	124.23	3.82	5.36	0.187
	70	58807.30	-8295.79	-1650.9<<	-22403.0	5.36	97.54	3.36	8.19	0.213
	71	59090.99	-4495.63>>	47.1	-7277.3	0.00	2.79	0.10	4.44	0.052
	71	69160.79	-9708.77<<	-293.4	-49101.4	7.24	18.35	0.56	9.58	0.179
	71	69338.79	-5726.16	1984.6>>	-25980.3	0.00	124.20	3.82	5.65	0.192
	71	58788.16	-8593.00	-1651.4<<	-32333.1	6.60	97.56	3.36	8.49	0.220

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^é +(Td/Tu1)^é
	71	59715.29	10404.24>>	865.5	-54834.5	13.69	51.41	1.75	10.27	0.215
	71	69170.26	4702.77<<	-10.8	-980.6	0.00	0.67	0.02	4.64	0.058
	71	66318.72	9192.83	1946.4>>	-25939.1	6.23	119.89	3.80	9.08	0.267
	71	62444.71	6055.29	-1619.6<<	-32028.1	0.00	97.69	3.23	5.98	0.164
	72	59736.17	10119.39>>	865.5	-43051.1	12.51	51.41	1.75	9.99	0.207
	72	69149.39	4431.86<<	-10.8	4289.4	0.00	0.67	0.02	4.38	0.053
	72	66297.85	8920.27	1942.9>>	-15506.4	5.16	119.67	3.80	8.81	0.259
	72	62465.58	5772.09	-1619.6<<	-25245.0	0.00	97.70	3.23	5.70	0.158

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^é +(Td/Tu1)^é
	72	59934.20	9026.29>>	865.5	-42881.5	7.94	51.47	1.75	8.91	0.179
	72	69347.42	3338.77<<	-10.8	4459.0	0.00	0.67	0.02	3.30	0.034
	72	66495.88	7827.17	1942.9>>	-15336.8	0.76	119.79	3.79	7.73	0.233
	72	62663.62	4679.00	-1619.6<<	-25075.4	0.00	97.81	3.23	4.62	0.138
	73	59955.07	8741.44>>	865.5	-32682.4	6.76	51.48	1.75	8.63	0.172
	73	69326.55	3067.86<<	-10.8	8160.8	0.00	0.67	0.02	3.03	0.030
	73	66531.87	7568.23	1941.3>>	-6548.3	0.00	119.72	3.79	7.47	0.227
	73	62656.38	4419.44	-1619.9<<	-20030.8	0.00	97.82	3.23	4.36	0.133

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	73	69258.91	9224.53>>	716.3	-33012.4	5.31	44.81	1.38	9.11	0.184
	73	60237.22	3629.96<<	-3.7	7832.3	0.00	0.22	0.01	3.78	0.041
	73	66578.08	8047.50	1514.8>>	-7162.7	1.61	93.44	2.96	7.94	0.204
	73	62877.92	5126.77	-1230.0<<	-19256.6	0.00	74.36	2.45	5.06	0.118
	74	69247.15	8939.01>>	716.3	-22545.1	16.31	88.23	2.48	31.48	0.748
	74	60266.76	3559.72<<	-3.7	12086.2	0.00	0.44	0.01	12.53	0.176
	74	66565.93	7774.28	1511.4>>	1957.4	12.54	183.38	5.30	27.38	0.930
	74	62907.86	4844.24	-1230.0<<	-13537.8	2.52	146.10	4.41	17.06	0.606

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	74	56398.58	8012.99>>	716.3	-28704.9	15.99	81.72	2.67	28.22	0.648
	74	47419.19	2633.70<<	-3.7	5906.3	0.00	0.40	0.01	9.27	0.113
	74	53718.36	6848.25	1511.4>>	-4202.4	12.26	169.44	5.74	24.11	0.816
	74	50060.29	3918.22	-1230.0<<	-19697.6	1.62	134.49	4.79	13.80	0.513
	75	56385.88	7788.10>>	716.3	-19596.8	15.13	81.72	2.67	27.42	0.631
	75	47446.79	2424.10<<	-3.7	8798.5	0.00	0.40	0.01	8.54	0.102
	75	53704.26	6635.66	1507.9>>	3572.7	11.44	169.03	5.73	23.37	0.799
	75	50088.28	3696.32	-1230.0<<	-15334.6	0.73	134.51	4.79	13.02	0.500

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	75	47316.38	5691.17>>	576.9	-21303.5	9.42	61.85	2.29	20.04	0.421
	75	56601.99	874.22<<	8.5	9718.7	0.00	0.97	0.03	3.08	0.030
	75	53763.16	4549.04	1108.7>>	2794.2	3.31	124.34	4.21	16.02	0.521
	75	50096.12	2152.68	-852.5<<	-14709.2	0.00	93.23	3.32	7.58	0.293
	76	47337.25	5466.96>>	576.9	-14905.2	8.51	61.86	2.29	19.25	0.407
	76	56581.11	663.95<<	8.5	10620.9	0.00	0.97	0.03	2.34	0.021
	76	53742.29	4337.11	1105.3>>	7921.5	2.49	123.93	4.20	15.27	0.507
	76	50116.99	1928.46	-852.5<<	-12380.2	0.00	93.25	3.32	6.79	0.281

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	76	41932.48	5647.64>>	576.9	-22750.8	10.78	59.37	2.39	19.89	0.408
	76	51176.34	844.64<<	8.5	2775.3	0.00	0.94	0.03	2.97	0.028
	76	48337.51	4517.80	1105.3>>	76.0	4.41	119.38	4.36	15.91	0.505
	76	44712.22	2109.15	-852.5<<	-20225.7	0.00	89.64	3.45	7.43	0.283
	77	41953.35	5423.43>>	576.9	-16402.4	9.82	59.38	2.39	19.10	0.393
	77	51155.47	634.37<<	8.5	3643.6	0.00	0.94	0.03	2.23	0.020
	77	48319.07	4287.70	1101.9>>	5222.6	3.48	119.00	4.34	15.10	0.469
	77	44727.81	1874.04	-852.5<<	-17922.7	0.00	89.66	3.45	6.60	0.271

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	77	41893.35	5090.43>>	478.2	-17190.5	8.43	49.20	1.98	17.93	0.347
	77	51150.12	694.48<<	11.4	3583.4	0.00	1.25	0.04	2.45	0.022
	77	48291.79	3985.32	850.5>>	4411.5	2.27	91.83	3.35	14.03	0.393
	77	44691.76	1916.41	-656.2<<	-16896.5	0.00	68.99	2.66	6.75	0.218
	78	41914.22	4866.21>>	478.2	-11483.3	7.47	49.21	1.98	17.14	0.333
	78	51129.25	484.21<<	11.4	4278.6	0.00	1.25	0.04	1.71	0.014
	78	48270.92	3773.39	847.0>>	8890.2	1.41	91.44	3.34	13.29	0.379
	78	44712.63	1692.19	-656.2<<	-14839.5	0.00	69.01	2.66	5.96	0.207

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	78	41941.62	5062.85>>	478.2	-11489.0	8.30	49.22	1.98	17.83	0.345
	78	51156.65	680.85<<	11.4	4272.8	0.00	1.25	0.04	2.40	0.022
	78	48298.31	3970.03	847.0>>	8884.5	2.20	91.46	3.34	13.98	0.391
	78	44740.03	1888.83	-656.2<<	-14845.2	0.00	69.02	2.66	6.65	0.216
	79	41962.49	4838.64>>	478.2	-5813.4	7.34	49.23	1.98	17.04	0.331
	79	51135.77	470.58<<	11.4	4952.5	0.00	1.25	0.04	1.66	0.014
	79	48271.02	3742.60	844.0>>	13359.3	1.29	91.12	3.33	13.18	0.376
	79	44774.01	1655.14	-656.3<<	-12814.8	0.00	69.04	2.66	5.83	0.205

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	79	41997.02	4506.12>>	404.2	-6619.9	5.92	41.63	1.67	15.87	0.293
	79	51150.48	530.50<<	12.6	4894.6	0.00	1.39	0.05	1.87	0.016
	79	48316.63	3436.02	671.9>>	12591.1	0.04	72.56	2.65	12.10	0.309
	79	44797.95	1683.88	-564.1<<	-11924.8	0.00	59.36	2.28	5.93	0.182
	80	42017.89	4281.90>>	404.2	-1584.8	4.97	41.63	1.67	15.08	0.280
	80	51129.61	326.23<<	12.6	5401.1	0.00	1.39	0.05	1.13	0.009
	80	48295.76	3224.09	668.4>>	16438.0	0.00	72.17	2.64	11.35	0.295
	80	44818.82	1459.66	-564.1<<	-10135.3	0.00	59.36	2.28	5.14	0.171

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	80	42041.65	4480.94>>	404.2	-1597.2	5.81	41.64	1.67	15.78	0.292
	80	51153.37	519.26<<	12.6	5388.7	0.00	1.39	0.05	1.83	0.016
	80	48319.52	3423.13	668.4>>	16425.6	0.00	72.18	2.64	12.05	0.307
	80	44842.58	1658.69	-564.1<<	-10147.7	0.00	59.38	2.28	5.84	0.181
	81	42062.53	4256.72>>	404.2	3409.4	4.85	41.65	1.67	14.99	0.278
	81	51132.50	308.99<<	12.6	5882.7	0.00	1.39	0.05	1.09	0.009
	81	48284.89	3198.38	665.8>>	20236.2	0.00	71.88	2.63	11.26	0.293
	81	44891.26	1426.34	-564.3<<	-8397.8	0.00	59.42	2.28	5.02	0.170

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	81	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	81	42118.72	3926.31>>	343.8	2543.8	3.44	35.44	1.42	13.83	0.245
	81	51147.68	371.52<<	16.9	5848.8	0.00	1.86	0.07	1.31	0.011
	81	48376.98	1873.51	547.5>>	10697.1	0.00	59.15	2.16	6.60	0.190
	81	44883.78	2465.86	-520.3<<	1169.1	0.00	54.79	2.10	8.68	0.209
	82	42139.59	3702.10>>	343.8	6912.8	2.48	35.44	1.42	13.04	0.232
	82	51126.81	161.25<<	16.9	6173.1	0.00	1.86	0.07	0.57	0.005
	82	48356.11	1661.58	544.0>>	12747.8	0.00	58.77	2.14	5.85	0.178
	82	44904.65	2241.64	-520.3<<	3858.5	0.00	54.80	2.10	7.89	0.198
BARRA	82	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	82	42159.41	3901.80>>	343.8	6896.9	3.32	35.45	1.42	13.74	0.243
	82	51146.63	360.96<<	16.9	6157.3	0.00	1.86	0.07	1.27	0.011
	82	48375.93	1861.29	544.0>>	12732.0	0.00	58.78	2.14	6.55	0.188
	82	44924.47	2441.35	-520.3<<	3842.7	0.00	54.81	2.10	8.60	0.208
	83	42180.28	3677.59>>	343.8	11237.5	2.37	35.45	1.42	12.95	0.230
	83	51125.76	150.68<<	16.9	6469.2	0.00	1.86	0.07	0.53	0.005
	83	48335.29	1639.25	541.7>>	14717.2	0.00	58.51	2.14	5.77	0.177
	83	44985.03	2210.27	-520.8<<	6479.4	0.00	54.88	2.10	7.78	0.196
BARRA	83	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	83	42224.81	3348.24>>	298.5	10369.8	0.97	30.79	1.23	11.79	0.201
	83	51130.53	186.44<<	-221.7	8963.3	0.00	24.42	0.86	0.66	0.042
	83	42334.80	1580.34	484.0>>	14024.2	0.00	49.97	2.00	5.56	0.154
	83	51040.41	1977.55	-520.4<<	7207.8	0.00	57.29	2.01	6.96	0.190
	84	42245.68	3124.02>>	298.5	14073.7	0.02	30.80	1.23	11.00	0.189
	84	51109.66	-23.83<<	-221.7	9074.4	0.00	24.42	0.86	0.08	0.038
	84	51019.54	1753.33	-520.4<<	9370.7	0.00	57.29	2.01	6.17	0.179
BARRA	84	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	84	42261.61	3324.88>>	298.5	14057.8	0.86	30.80	1.23	11.71	0.200
	84	51125.59	177.03<<	-221.7	9058.5	0.00	24.42	0.86	0.62	0.041
	84	42371.59	1569.28	480.5>>	15686.2	0.00	49.63	1.98	5.53	0.153
	84	51035.46	1954.20	-520.4<<	9354.8	0.00	57.29	2.01	6.88	0.189
	85	42282.48	3100.67>>	298.5	17734.7	0.00	30.81	1.23	10.92	0.188
	85	51104.71	-33.24<<	-221.7	9158.8	0.00	24.42	0.86	0.12	0.038
	85	42368.06	1349.96	478.5>>	17277.2	0.00	49.42	1.97	4.75	0.142
	85	51063.41	1724.37	-521.1<<	11456.2	0.00	57.38	2.02	6.07	0.178

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	85	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	85	42313.01	2774.86>>	261.1	16821.1	0.00	26.95	1.08	9.77	0.162
	85	51111.09	-6.37<<	-340.6	11034.5	0.00	37.51	1.32	0.02	0.065
	85	42413.92	1259.51	431.8>>	16551.4	0.00	44.61	1.78	4.44	0.127
	85	51039.03	1522.48	-514.1<<	12193.1	0.00	56.59	1.99	5.36	0.166
	86	42333.68	2550.66>>	261.1	19865.3	0.00	26.96	1.08	8.98	0.150
	86	51090.22	-216.64<<	-340.6	10923.7	0.00	37.51	1.32	0.76	0.069
	86	42434.79	1047.56	428.3>>	17860.0	0.00	44.25	1.76	3.69	0.117
	86	51018.16	1298.26	-514.1<<	13832.4	0.00	56.58	1.99	4.57	0.155
BARRA	86	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	86	42345.72	2750.89>>	261.1	19851.4	0.00	26.96	1.08	9.69	0.161
	86	51102.06	-16.41<<	-340.6	10909.8	0.00	37.51	1.32	0.06	0.065
	86	42446.63	1247.81	428.3>>	17846.1	0.00	44.26	1.76	4.39	0.126
	86	51029.99	1498.49	-514.1<<	13818.5	0.00	56.59	1.99	5.28	0.165
	87	42366.59	2526.68>>	261.1	22868.8	0.00	26.97	1.08	8.90	0.149
	87	51081.19	-226.68<<	-340.6	10788.2	0.00	37.51	1.32	0.80	0.070
	87	42439.99	1031.21	426.6>>	19051.3	0.00	44.08	1.76	3.63	0.116
	87	51064.10	1269.89	-515.0<<	15388.8	0.00	56.70	1.99	4.47	0.154
BARRA	87	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	87	42386.60	2203.11>>	229.8	21905.9	0.00	23.73	0.95	7.76	0.126
	87	51084.40	-207.14<<	-341.0	11579.0	0.00	37.55	1.32	0.73	0.069
	87	42501.97	620.87	398.5>>	10375.0	0.00	41.20	1.64	2.19	0.093
	87	50998.87	1384.72	-512.1<<	24026.7	0.00	56.36	1.98	4.88	0.159
	88	42407.47	1978.89>>	229.8	24293.0	0.00	23.74	0.95	6.97	0.115
	88	51063.53	-417.41<<	-341.0	11237.7	0.00	37.54	1.32	1.47	0.076
	88	50977.99	1160.51	-512.1<<	25508.0	0.00	56.36	1.98	4.09	0.149
BARRA	88	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	88	42415.35	2180.48>>	229.8	24283.1	0.00	23.74	0.95	7.68	0.125
	88	51071.40	-215.83<<	-341.0	11227.8	0.00	37.54	1.32	0.76	0.069
	88	42530.72	610.53	395.0>>	10939.6	0.00	40.85	1.63	2.15	0.092
	88	50985.87	1362.09	-512.1<<	25498.0	0.00	56.36	1.98	4.80	0.158
	89	42436.22	1956.26>>	229.8	26643.9	0.00	23.74	0.95	6.89	0.113
	89	51050.53	-426.10<<	-341.0	10876.3	0.00	37.54	1.32	1.50	0.076
	89	42522.61	396.64	393.6>>	11400.9	0.00	40.69	1.62	1.40	0.084
	89	51022.92	1134.70	-513.3<<	26906.0	0.00	56.51	1.99	4.00	0.148

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	89	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	89	42445.85	1635.97>>	203.4	25569.6	0.00	21.02	0.84	5.76	0.093
	89	51050.50	-407.11<<	-334.4	11696.8	0.00	36.82	1.29	1.43	0.074
	89	42532.18	514.33	406.1>>	7919.2	0.00	41.99	1.67	1.81	0.091
	89	50993.69	720.34	-539.4<<	30280.4	0.00	59.36	2.09	2.54	0.138
	90	42466.72	1411.76>>	203.4	27304.6	0.00	21.02	0.84	4.97	0.083
	90	51029.63	-617.38<<	-334.4	11125.6	0.00	36.81	1.29	2.17	0.081
	90	42553.06	302.40	402.6>>	8371.4	0.00	41.64	1.66	1.06	0.084
	90	50972.81	496.12	-539.4<<	30997.8	0.00	59.35	2.09	1.75	0.129

BARRA	90	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	90	42470.53	1612.90>>	203.4	27299.4	0.00	21.02	0.84	5.68	0.092
	90	51033.44	-416.23<<	-334.4	11120.5	0.00	36.81	1.29	1.47	0.074
	90	42556.86	503.55	402.6>>	8366.2	0.00	41.64	1.66	1.77	0.090
	90	50976.62	697.27	-539.4<<	30992.7	0.00	59.35	2.09	2.46	0.137
	91	42495.34	1390.42>>	210.6	27476.3	0.00	21.77	0.87	4.90	0.083
	91	51037.39	-628.98<<	-343.8	12175.2	0.00	37.85	1.33	2.21	0.084
	91	42548.97	292.37	401.3>>	8700.3	0.00	41.51	1.65	1.03	0.083
	91	51013.25	471.09	-540.9<<	31634.0	0.00	59.53	2.09	1.66	0.129

BARRA	91	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	91	42580.71	1185.40>>	309.3	4792.8	0.00	32.00	1.27	4.17	0.095
	91	50947.87	-734.93<<	-447.2	34521.9	0.00	49.20	1.73	2.59	0.114
	91	42569.88	266.47	427.5>>	8419.4	0.00	44.21	1.76	0.94	0.089
	91	50959.62	186.14	-572.0<<	31726.4	0.00	62.94	2.21	0.66	0.128
	92	42626.42	974.50>>	309.9	5862.0	0.00	32.07	1.28	3.43	0.086
	92	50926.99	-959.14<<	-450.6	33565.3	0.00	49.57	1.74	3.38	0.124
	92	42590.75	54.54	424.0>>	8586.1	0.00	43.86	1.75	0.19	0.082
	92	50938.74	-38.08	-572.0<<	31829.0	0.00	62.93	2.21	0.13	0.125

BARRA	92	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	92	42626.27	1165.54>>	309.9	5864.7	0.00	32.07	1.28	4.10	0.094
	92	50924.84	-768.11<<	-450.6	33568.0	0.00	49.57	1.74	2.70	0.116
	92	42588.59	245.58	424.0>>	8588.7	0.00	43.86	1.75	0.86	0.087
	92	50936.59	152.96	-572.0<<	31831.7	0.00	62.93	2.21	0.54	0.127
	93	42647.14	955.27>>	309.9	7066.4	0.00	32.07	1.27	3.36	0.086
	93	50903.97	-992.33<<	-454.1	32573.4	0.00	49.94	1.76	3.49	0.126
	93	42582.63	37.10	422.8>>	8628.2	0.00	43.74	1.74	0.13	0.082
	93	50969.40	-72.02	-573.8<<	31847.6	0.00	63.14	2.22	0.25	0.126

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	93	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	93	42649.07	961.59>>	306.7	6118.2	0.00	31.75	1.26	3.39	0.085
	93	50837.25	-1316.50<<	-454.5	33143.4	0.00	49.97	1.76	4.64	0.141
	93	45319.79	-53.72	453.5>>	8266.2	0.00	47.91	1.83	0.19	0.091
	93	48191.11	-302.98	-603.0<<	31928.2	0.00	65.07	2.38	1.07	0.138
	94	42669.95	751.32>>	306.7	7085.6	0.00	31.75	1.26	2.65	0.077
	94	50816.38	-1540.71<<	-454.5	31518.3	0.00	49.96	1.76	5.43	0.151
	94	45340.66	-265.65	450.0>>	8065.0	0.00	47.55	1.81	0.94	0.095
	94	48170.24	-527.18	-603.0<<	31468.7	0.00	65.06	2.38	1.86	0.146

BARRA	94	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	94	42664.08	942.27>>	306.7	7092.4	0.00	31.75	1.26	3.32	0.084
	94	50810.51	-1349.76<<	-454.5	31525.1	0.00	49.96	1.76	4.75	0.142
	94	45334.79	-74.69	450.0>>	8071.8	0.00	47.55	1.81	0.26	0.090
	94	48164.37	-336.23	-603.0<<	31475.5	0.00	65.05	2.38	1.18	0.139
	95	42684.96	732.00>>	306.7	8037.4	0.00	31.76	1.26	2.58	0.076
	95	50789.64	-1573.98<<	-454.5	29861.6	0.00	49.95	1.76	5.54	0.153
	95	45332.48	-280.48	449.0>>	7751.1	0.00	47.44	1.81	0.99	0.096
	95	48189.91	-560.00	-605.1<<	30932.2	0.00	65.29	2.39	1.97	0.147

BARRA	95	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	95	42668.01	738.10>>	298.4	7050.5	0.00	30.89	1.23	2.60	0.075
	95	50763.15	-1900.79<<	-449.3	30329.6	0.00	49.37	1.74	6.69	0.167
	95	45314.18	-326.41	488.8>>	8345.2	0.00	51.64	1.97	1.15	0.107
	95	48136.91	-841.82	-640.8<<	29950.8	0.00	69.12	2.53	2.96	0.168
	96	42688.88	527.83>>	298.4	7760.5	0.00	30.90	1.23	1.86	0.067
	96	50742.28	-2125.00<<	-449.3	28032.2	0.00	49.36	1.74	7.48	0.179
	96	45335.05	-550.62	485.3>>	7823.0	0.00	51.28	1.96	1.94	0.114
	96	48116.04	-1053.75	-640.8<<	28878.3	0.00	69.10	2.53	3.71	0.177

BARRA	96	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	96	45340.03	718.52>>	298.4	11576.8	0.00	31.53	1.20	2.53	0.075
	96	53393.43	-1934.31<<	-449.3	31848.5	0.00	50.26	1.71	6.81	0.171
	96	47986.20	-359.93	485.3>>	11639.3	0.00	52.29	1.92	1.27	0.109
	96	50767.19	-863.06	-640.8<<	32694.6	0.00	70.41	2.48	3.04	0.171
	97	45360.90	508.25>>	298.4	12264.9	0.00	31.54	1.20	1.79	0.067
	97	53372.55	-2158.53<<	-449.3	29513.1	0.00	50.26	1.71	7.60	0.183
	97	47989.28	-575.33	484.4>>	10998.2	0.00	52.19	1.91	2.03	0.116
	97	50781.92	-1073.33	-643.2<<	31558.9	0.00	70.68	2.49	3.78	0.181

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	97	45359.55	518.37>>	289.5	11270.6	0.00	30.59	1.17	1.83	0.066
	97	53369.92	-2482.92<<	-432.3	29947.2	0.00	48.36	1.65	8.74	0.196
	97	47985.35	-571.11	537.6>>	10153.1	0.00	57.92	2.12	2.01	0.130
	97	50768.27	-1391.71	-680.8<<	31031.5	0.00	74.81	2.64	4.90	0.206
	98	45380.42	308.10>>	289.5	11728.0	0.00	30.60	1.17	1.08	0.059
	98	53349.05	-2707.13<<	-432.3	26980.4	0.00	48.35	1.65	9.53	0.208
	98	48006.22	-795.33	534.2>>	9349.6	0.00	57.56	2.11	2.80	0.137
	98	50747.39	-1601.98	-680.8<<	30127.7	0.00	74.80	2.64	5.64	0.216

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	98	45372.35	498.58>>	289.5	11749.4	0.00	30.59	1.17	1.76	0.065
	98	53340.99	-2516.65<<	-432.3	27001.8	0.00	48.35	1.65	8.86	0.198
	98	47998.16	-604.85	534.2>>	9370.9	0.00	57.56	2.11	2.13	0.130
	98	50739.33	-1411.50	-680.8<<	30149.0	0.00	74.80	2.64	4.97	0.207
	99	45393.23	288.31>>	289.5	12184.2	0.00	30.60	1.17	1.02	0.058
	99	53320.11	-2740.87<<	-432.3	23996.5	0.00	48.34	1.65	9.65	0.210
	99	47997.90	-831.94	533.4>>	8559.3	0.00	57.47	2.11	2.93	0.138
	99	50729.04	-1633.25	-683.4<<	28483.0	0.00	75.07	2.65	5.75	0.218

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	99	45411.15	308.57>>	173.4	10275.0	0.00	18.33	0.70	1.09	0.034
	99	53325.95	-3063.78<<	-405.4	24385.4	0.00	45.33	1.54	10.79	0.222
	99	47999.29	-775.61	602.8>>	8407.6	0.00	64.96	2.38	2.73	0.155
	99	50724.14	-1984.69	-730.1<<	27917.8	0.00	80.20	2.83	6.99	0.249
	100	45432.02	98.30>>	173.4	10491.5	0.00	18.33	0.70	0.35	0.029
	100	53305.08	-3288.00<<	-405.4	20751.2	0.00	45.33	1.54	11.58	0.235
	100	48020.16	-999.83	599.4>>	7369.3	0.00	64.59	2.37	3.52	0.163
	100	50703.26	-2194.96	-730.1<<	25532.5	0.00	80.19	2.83	7.73	0.260

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	100	45420.46	287.63>>	173.4	10511.9	0.00	18.33	0.70	1.01	0.034
	100	53293.52	-3098.67<<	-405.4	20771.6	0.00	45.32	1.54	10.91	0.224
	100	48008.61	-810.50	599.4>>	7389.7	0.00	64.59	2.37	2.85	0.155
	100	50691.71	-2005.63	-730.1<<	25552.9	0.00	80.19	2.83	7.06	0.250
	101	45441.33	77.36>>	173.4	10704.1	0.00	18.34	0.70	0.27	0.028
	101	53272.65	-3322.88<<	-405.4	17096.8	0.00	45.32	1.54	11.70	0.237
	101	48026.59	-1038.85	598.9>>	6329.8	0.00	64.54	2.37	3.66	0.165
	101	50672.35	-2230.02	-732.7<<	23176.9	0.00	80.46	2.84	7.85	0.262

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^é +(Td/Tul)^é
	101	45466.30	114.71>>	-35.2	8498.9	0.00	3.73	0.14	0.40	0.006
	101	53278.59	-3644.09<<	-378.3	17489.8	0.00	42.29	1.44	12.83	0.249
	101	53298.67	-1041.60	695.9>>	5280.8	0.00	77.79	2.65	3.67	0.197
	101	45378.90	-2506.48	-799.6<<	23374.5	0.00	84.51	3.22	8.83	0.269
	102	45407.17	-95.56>>	-35.2	8492.0	0.00	3.73	0.14	0.34	0.005
	102	53257.72	-3868.30<<	-378.3	13187.6	0.76	42.28	1.44	13.62	0.263
	102	53277.80	-1265.82	692.4>>	3971.5	0.00	77.39	2.64	4.46	0.206
	102	45399.77	-2716.75	-799.6<<	20353.3	0.00	84.52	3.22	9.57	0.300

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^é +(Td/Tul)^é
	102	45472.16	93.54>>	-35.2	8508.8	0.00	3.73	0.14	0.33	0.005
	102	53242.71	-3679.20<<	-378.3	13204.4	0.02	42.28	1.44	12.96	0.251
	102	53262.79	-1076.72	692.4>>	3988.3	0.00	77.39	2.64	3.79	0.197
	102	45384.76	-2527.65	-799.6<<	20370.1	0.00	84.51	3.22	8.90	0.290
	103	45493.03	-116.73>>	-35.2	8478.0	0.00	3.73	0.14	0.41	0.006
	103	53221.83	-3903.42<<	-378.3	8862.3	0.90	42.27	1.44	13.75	0.265
	103	53260.70	-1306.34	692.1>>	2643.2	0.00	77.36	2.64	4.60	0.207
	103	45396.39	-2754.65	-802.0<<	17326.1	0.00	84.78	3.23	9.70	0.303

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	103	45488.37	-65.47>>	-32.5	8437.1	0.00	3.44	0.13	0.23	0.004
	103	53205.69	-4222.06<<	-342.0	9178.7	2.15	38.21	1.30	14.87	0.276
	103	53220.95	-1200.12	837.6>>	3970.6	0.00	93.60	3.19	4.23	0.246
	103	45361.12	-3138.59	-901.7<<	15342.3	0.00	95.28	3.63	11.05	0.354
	104	45509.25	-275.74>>	-32.5	8223.4	0.00	3.44	0.13	0.97	0.010
	104	53200.07	-1424.33	834.2>>	2479.4	0.00	93.19	3.18	5.02	0.255
	104	45381.99	-3348.87	-901.7<<	11594.5	0.29	95.30	3.63	11.79	0.366

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	104	45441.62	-95.74>>	-32.5	8251.2	0.00	3.44	0.13	0.34	0.005
	104	53117.19	-4266.28<<	-342.0	4240.0	2.34	38.19	1.30	15.02	0.279
	104	53132.45	-1244.33	834.2>>	2507.2	0.00	93.15	3.18	4.38	0.247
	104	45314.36	-3168.87	-901.7<<	11622.3	0.00	95.25	3.63	11.16	0.355
	105	45462.49	-306.01>>	-32.5	8002.4	0.00	3.44	0.13	1.08	0.011
	105	53096.32	-4490.50<<	-342.0	-777.6	3.22	38.18	1.30	15.81	0.293
	105	53153.95	-1475.28	834.2>>	951.3	0.00	93.16	3.18	5.19	0.257
	105	45314.19	-3398.46	-904.0<<	7802.0	0.51	95.50	3.64	11.97	0.369

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	105	45356.19	-266.78>>	-26.0	7939.7	0.00	2.75	0.10	0.94	0.009
	105	52899.59	-4817.64<<	-317.3	-447.8	4.55	35.38	1.21	16.96	0.308
	105	52917.43	-1452.21	1081.3>>	-285.0	0.00	120.58	4.13	5.11	0.334
	105	45172.27	-3705.71	-1074.9<<	8017.5	1.81	113.43	4.34	13.05	0.439
	106	45377.06	-477.05>>	-26.0	7494.2	0.00	2.75	0.10	1.60	0.015
	106	52878.72	-5041.85<<	-317.3	-6099.4	5.43	35.37	1.21	17.75	0.322
	106	52960.66	-1684.49	1078.1>>	-2091.3	0.00	120.25	4.12	5.93	0.344
	106	45193.15	-3915.98	-1074.9<<	3617.4	2.68	113.44	4.34	13.79	0.451

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	106	45283.54	-305.28>>	-26.0	7490.6	0.00	2.75	0.10	1.08	0.010
	106	52785.20	-4870.08<<	-317.3	-6103.1	4.78	35.35	1.21	17.15	0.311
	106	52867.14	-1512.72	1078.1>>	-2095.0	0.00	120.17	4.12	5.33	0.336
	106	45099.63	-3744.21	-1074.9<<	3613.7	1.99	113.36	4.34	13.18	0.441
	107	45304.41	-515.55>>	-26.0	7001.0	0.00	2.75	0.10	1.82	0.017
	107	52764.33	-5094.30<<	-317.3	-11814.9	5.66	35.34	1.21	17.94	0.326
	107	52846.27	-1736.94	1078.1>>	-3945.8	0.00	120.16	4.12	6.12	0.347
	107	45088.25	-3976.40	-1077.1<<	-912.4	2.95	113.59	4.35	14.00	0.455

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	107	45097.39	-1925.32>>	-19.8	6924.0	0.00	2.08	0.08	6.78	0.077
	107	52149.29	-7107.78<<	-325.2	-11549.2	13.72	36.07	1.25	25.03	0.465
	107	52405.97	-3375.13	1504.4>>	-4523.4	0.00	167.18	5.76	11.88	0.581
	107	44609.92	-5741.77	-1397.1<<	-733.3	10.39	146.81	5.66	20.22	0.668
	108	45111.53	-2136.26>>	-19.8	4569.5	0.00	2.08	0.08	7.52	0.088
	108	52121.25	-7331.33<<	-325.2	-19838.5	14.61	36.06	1.25	25.82	0.481
	108	52454.93	-3610.43	1501.9>>	-8567.7	0.00	166.95	5.75	12.71	0.594
	108	44624.07	-5952.70	-1397.1<<	-7478.9	11.26	146.82	5.66	20.96	0.682

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	108	56074.02	-2282.46>>	-19.8	10475.6	0.00	2.25	0.07	8.04	0.100
	108	63083.73	-7477.53<<	-325.2	-13932.4	12.14	38.66	1.16	26.33	0.517
	108	63417.42	-3756.63	1501.9>>	-2661.7	0.00	178.93	5.37	13.23	0.634
	108	55586.56	-6098.90	-1397.1<<	-1572.9	8.87	158.57	5.24	21.48	0.729
	109	56086.22	-2554.03>>	-19.8	7675.8	0.00	1.15	0.04	2.52	0.022
	109	63053.75	-7761.71<<	-325.2	-22681.4	1.66	19.68	0.65	7.66	0.127
	109	63387.43	-4040.81	1501.9>>	-7129.4	0.00	91.06	2.98	3.99	0.118
	109	55558.16	-6393.77	-1399.4<<	-8893.3	0.00	81.11	2.91	6.31	0.150

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	109	56125.14	-1962.71>>	-4.5	7576.2	0.00	0.26	0.01	1.94	0.014
	109	63419.62	-7330.49<<	-336.6	-22416.2	0.00	20.41	0.67	7.24	0.117
	109	63524.19	-3235.91	1944.2>>	-7751.7	0.00	117.97	3.86	3.19	0.141
	109	55863.64	-6151.82	-1700.6<<	-8642.6	0.00	98.75	3.53	6.07	0.167
	110	56146.02	-2233.62>>	-4.5	5145.5	0.00	0.26	0.01	2.21	0.018
	110	63398.74	-7615.34<<	-336.6	-30992.5	0.95	20.41	0.67	7.52	0.124
	110	63503.32	-3520.76	1940.8>>	-11619.3	0.00	117.74	3.85	3.48	0.145
	110	55884.51	-6422.72	-1700.6<<	-15890.8	0.00	98.76	3.52	6.34	0.173

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	110	56178.04	-3661.67>>	-4.5	5192.0	0.00	0.26	0.01	3.61	0.037
	110	63430.77	-9043.39<<	-336.6	-30946.0	6.69	20.41	0.67	8.93	0.158
	110	63535.35	-4948.82	1940.8>>	-11572.8	0.00	117.76	3.85	4.89	0.169
	110	55916.54	-7850.78	-1700.6<<	-15844.3	4.59	98.78	3.52	7.75	0.203
	111	56198.91	-3932.58>>	-4.5	807.6	0.00	0.26	0.01	3.88	0.041
	111	63409.90	-9328.24<<	-336.6	-41492.0	7.85	20.41	0.67	9.21	0.166
	111	63589.74	-5244.33	1939.9>>	-17500.2	0.00	117.75	3.85	5.18	0.174
	111	55899.44	-8148.85	-1701.4<<	-25232.1	5.84	98.82	3.53	8.04	0.210

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	111	56768.98	9409.30>>	844.4	-40543.5	10.78	49.30	1.74	9.29	0.185
	111	63499.64	3747.90<<	-61.8	585.4	0.00	3.75	0.12	3.70	0.040
	111	61711.89	8194.28	1904.1>>	-17595.3	3.88	114.38	3.82	8.09	0.233
	111	58440.27	5126.85	-1662.4<<	-24772.0	0.00	98.01	3.39	5.06	0.146
	112	56789.85	9124.45>>	844.4	-29904.2	9.58	49.30	1.74	9.01	0.178
	112	63478.77	3477.00<<	-61.8	4757.4	0.00	3.75	0.12	3.43	0.036
	112	61691.02	7921.72	1900.6>>	-8310.9	2.78	114.15	3.81	7.82	0.227
	112	58461.14	4843.66	-1662.4<<	-19056.6	0.00	98.03	3.39	4.78	0.141

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	112	56994.68	7818.01>>	844.4	-29730.7	4.05	49.36	1.74	7.72	0.147
	112	63683.60	2170.57<<	-61.8	4931.0	0.00	3.75	0.12	2.14	0.018
	112	61895.85	6615.29	1900.6>>	-8137.3	0.00	114.28	3.80	6.53	0.198
	112	58665.98	3537.23	-1662.4<<	-18883.0	0.00	98.14	3.39	3.49	0.120
	113	57015.56	7533.16>>	844.4	-20921.5	2.85	49.37	1.74	7.44	0.141
	113	63662.73	1899.66<<	-61.8	7288.9	0.00	3.75	0.12	1.88	0.015
	113	61928.55	6355.29	1899.3>>	-732.9	0.00	114.23	3.80	6.27	0.192
	113	58660.22	3274.73	-1663.1<<	-15128.1	0.00	98.18	3.39	3.23	0.116

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	113	61962.34	7734.39>>	694.7	-22034.5	1.93	41.79	1.39	7.64	0.141
	113	58975.14	2473.49<<	-43.1	7644.3	0.00	2.55	0.09	2.44	0.021
	113	61999.15	6589.61	1482.2>>	-1352.3	0.00	89.18	2.97	6.51	0.164
	113	58898.13	3759.95	-1258.3<<	-14377.0	0.00	74.38	2.56	3.71	0.094
	114	61950.58	7448.87>>	694.7	-13281.9	12.33	82.05	2.50	26.23	0.615
	114	59004.68	2203.26<<	-43.1	10317.1	0.00	4.99	0.16	7.76	0.100
	114	61987.00	6316.39	1478.7>>	6090.1	8.14	174.68	5.33	22.24	0.796
	114	58928.06	3477.42	-1258.3<<	-10231.1	0.00	145.88	4.62	12.25	0.517

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	114	50646.35	6895.41>>	694.7	-19402.4	13.32	76.27	2.69	24.28	0.544
	114	47700.45	1649.80<<	-43.1	4196.6	0.00	4.63	0.17	5.81	0.067
	114	50682.76	5762.93	1478.7>>	-30.4	8.81	162.38	5.73	20.29	0.718
	114	47623.83	2923.97	-1258.3<<	-16351.6	0.00	135.21	4.99	10.30	0.459
	115	50632.65	6670.53>>	694.7	-11580.3	12.43	76.26	2.69	23.49	0.528
	115	47728.05	1440.20<<	-43.1	5956.6	0.00	4.63	0.17	5.07	0.058
	115	50668.67	5550.34	1475.2>>	6495.8	7.97	161.99	5.72	19.54	0.702
	115	47651.82	2702.07	-1258.3<<	-13132.6	0.00	135.23	4.99	9.51	0.446

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	115	45914.12	4722.03>>	559.3	-12372.3	5.83	59.35	2.24	16.63	0.352
	115	52481.00	-48.07<<	-16.7	5975.2	0.00	1.85	0.06	0.17	0.002
	115	50700.55	3576.78	1082.9>>	5733.3	0.12	118.94	4.20	12.60	0.446
	115	47634.54	1249.70	-869.8<<	-12469.1	0.00	93.48	3.45	4.40	0.251
	116	45934.99	4497.81>>	559.3	-7088.3	4.90	59.36	2.24	15.84	0.338
	116	52460.13	-258.34<<	-16.7	5816.9	0.00	1.85	0.06	0.91	0.008
	116	50679.68	3364.86	1079.5>>	9742.6	0.00	118.54	4.19	11.85	0.432
	116	47655.42	1025.48	-869.8<<	-11178.3	0.00	93.49	3.45	3.61	0.241

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	116	43273.33	4698.74>>	559.3	-11013.4	6.40	58.17	2.29	16.55	0.346
	116	49798.46	-57.41<<	-16.7	1891.8	0.00	1.82	0.06	0.20	0.002
	116	48018.02	3565.79	1079.5>>	5817.6	0.63	116.33	4.27	12.56	0.438
	116	44993.75	1226.41	-869.8<<	-15103.4	0.00	91.67	3.51	4.32	0.247
	117	43294.20	4474.53>>	559.3	-5756.5	5.46	58.18	2.29	15.76	0.332
	117	49777.59	-267.68<<	-16.7	1722.6	0.00	1.82	0.07	0.94	0.008
	117	47999.54	3338.59	1076.4>>	9858.8	0.00	115.98	4.25	11.76	0.424
	117	45009.84	992.38	-870.2<<	-13820.6	0.00	91.72	3.52	3.49	0.237

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	117	43240.83	4160.51>>	466.5	-6543.4	4.15	48.51	1.91	14.65	0.289
	117	49780.37	-186.36<<	-2.7	1681.9	0.00	0.29	0.01	0.66	0.004
	117	47978.01	3000.45	831.7>>	2155.6	0.00	89.60	3.29	10.57	0.329
	117	44979.75	1104.04	-663.8<<	-5847.7	0.00	69.94	2.68	3.89	0.183
	118	43261.70	3936.30>>	466.5	-1905.4	3.21	48.52	1.91	13.86	0.276
	118	49759.50	-396.63<<	-2.7	1364.3	0.00	0.29	0.01	1.40	0.011
	118	47957.14	2788.53	828.2>>	5501.9	0.00	89.21	3.27	9.82	0.317
	118	45000.62	879.82	-663.8<<	-4724.7	0.00	69.95	2.68	3.10	0.173

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	118	43291.54	4150.74>>	466.5	-1915.0	4.10	48.53	1.91	14.62	0.289
	118	49789.34	-182.19<<	-2.7	1354.8	0.00	0.29	0.01	0.64	0.004
	118	47986.98	3002.97	828.2>>	5492.4	0.00	89.23	3.27	10.57	0.328
	118	45030.46	1094.27	-663.8<<	-4734.2	0.00	69.97	2.68	3.85	0.182
	119	43312.41	3926.52>>	466.5	2711.9	3.16	48.53	1.91	13.83	0.276
	119	49768.47	-392.46<<	-2.7	1042.2	0.00	0.29	0.01	1.38	0.010
	119	47960.32	2778.44	825.4>>	8851.6	0.00	88.91	3.26	9.78	0.315
	119	45063.64	861.63	-664.2<<	-3619.8	0.00	70.03	2.68	3.03	0.173

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	119	43349.07	3613.03>>	398.5	1882.5	1.83	41.47	1.63	12.72	0.241
	119	49785.87	-311.11<<	12.3	1015.1	0.00	1.34	0.05	1.10	0.009
	119	43461.76	2513.12	662.2>>	8044.1	0.00	68.97	2.71	8.85	0.248
	119	49638.33	882.99	-561.4<<	-2665.3	0.00	61.20	2.19	3.11	0.149
	120	43369.95	3388.81>>	398.5	5891.0	0.89	41.48	1.63	11.93	0.228
	120	49765.00	-521.38<<	12.3	554.3	0.00	1.34	0.05	1.84	0.016
	120	43482.64	2301.19	658.7>>	10794.8	0.00	68.62	2.69	8.10	0.236
	120	49617.45	658.77	-561.4<<	-1761.0	0.00	61.19	2.19	2.32	0.140

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	120	43396.44	3606.69>>	398.5	5875.1	1.80	41.49	1.63	12.70	0.240
	120	49790.49	-303.51<<	12.3	538.4	0.00	1.34	0.05	1.07	0.008
	120	43508.13	2519.07	658.7>>	10778.9	0.00	68.63	2.69	8.87	0.248
	120	49642.95	876.65	-561.4<<	-1776.9	0.00	61.20	2.19	3.09	0.149
	121	43416.31	3382.47>>	398.5	9876.3	0.85	41.49	1.63	11.91	0.228
	121	49769.62	-513.78<<	12.3	86.2	0.00	1.34	0.05	1.81	0.016
	121	43516.55	2297.21	656.3>>	13517.5	0.00	68.38	2.68	8.09	0.235
	121	49647.79	645.35	-561.9<<	-891.1	0.00	61.26	2.19	2.27	0.140

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	121	43469.56	3071.32>>	351.7	9049.7	0.00	36.64	1.44	10.82	0.199
	121	49792.82	-429.93<<	22.2	16.9	0.00	2.42	0.09	1.51	0.014
	121	43556.59	2051.05	543.5>>	11609.5	0.00	56.65	2.22	7.22	0.193
	121	49695.43	640.33	-504.3<<	1049.4	0.00	55.00	1.97	2.25	0.124
	122	43490.43	2847.10>>	351.7	12434.8	0.00	36.65	1.44	10.03	0.187
	122	49771.95	-640.20<<	22.2	-581.2	0.00	2.42	0.09	2.25	0.021
	122	43579.46	1839.13	540.0>>	13828.3	0.00	56.30	2.21	6.48	0.182
	122	49674.55	416.11	-504.3<<	1674.2	0.00	54.99	1.97	1.47	0.116
BARRA	122	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	122	43511.11	3064.68>>	351.7	12416.6	0.00	36.65	1.44	10.79	0.199
	122	49792.64	-422.62<<	22.2	-599.3	0.00	2.42	0.09	1.49	0.013
	122	43600.15	2056.71	540.0>>	13810.2	0.00	56.30	2.21	7.24	0.192
	122	49695.24	633.69	-504.3<<	1656.0	0.00	55.00	1.97	2.23	0.124
	123	43531.99	2840.46>>	351.7	15794.6	0.00	36.66	1.44	10.00	0.187
	123	49771.76	-632.89<<	22.2	-1188.4	0.00	2.42	0.09	2.23	0.021
	123	43603.23	1837.55	537.8>>	15994.4	0.00	56.08	2.20	6.47	0.181
	123	49710.64	403.68	-505.1<<	2251.7	0.00	55.09	1.97	1.42	0.116
BARRA	123	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	123	43573.56	2531.77>>	314.0	14922.0	0.00	32.73	1.28	8.92	0.162
	123	49781.97	-568.75<<	-206.8	1400.9	0.00	22.57	0.81	2.00	0.051
	123	43711.77	825.66	485.2>>	4937.8	0.00	50.64	1.98	2.91	0.123
	123	49660.75	1161.01	-492.3<<	13326.5	0.00	53.68	1.92	4.09	0.143
	124	43594.44	2307.56>>	314.0	17687.2	0.00	32.74	1.28	8.13	0.150
	124	49761.10	-779.02<<	-206.8	643.8	0.00	22.56	0.81	2.74	0.059
	124	43732.64	613.74	481.7>>	5748.0	0.00	50.28	1.97	2.16	0.114
	124	49639.88	936.79	-492.3<<	14550.7	0.00	53.67	1.92	3.30	0.133
BARRA	124	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	124	43610.66	2526.74>>	314.0	17669.8	0.00	32.74	1.28	8.90	0.161
	124	49777.32	-559.84<<	-206.8	626.4	0.00	22.57	0.81	1.97	0.050
	124	43748.86	832.93	481.7>>	5730.6	0.00	50.29	1.97	2.93	0.122
	124	49656.10	1155.98	-492.3<<	14533.3	0.00	53.68	1.92	4.07	0.142
	125	43631.53	2302.53>>	314.0	20428.9	0.00	32.75	1.28	8.11	0.150
	125	49756.44	-770.11<<	-206.8	-120.6	0.00	22.56	0.81	2.71	0.058
	125	43748.00	616.47	479.8>>	6491.0	0.00	50.09	1.96	2.17	0.114
	125	49679.31	927.21	-493.3<<	15721.4	0.00	53.79	1.93	3.27	0.133

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	125	43659.43	1995.45>>	283.4	19505.5	0.00	29.56	1.16	7.03	0.128
	125	49765.58	-721.58<<	-316.4	1807.9	0.00	34.52	1.23	2.54	0.081
	125	43818.15	378.33	445.2>>	4510.3	0.00	46.50	1.82	1.33	0.097
	125	49632.34	905.99	-481.0<<	17677.0	0.00	52.44	1.88	3.19	0.129
	126	43680.30	1771.23>>	283.4	21653.8	0.00	29.57	1.16	6.24	0.117
	126	49744.70	-931.85<<	-316.4	875.0	0.00	34.51	1.23	3.28	0.089
	126	43839.02	166.40	441.7>>	4806.0	0.00	46.15	1.80	0.59	0.090
	126	49611.47	681.77	-481.0<<	18607.8	0.00	52.43	1.88	2.40	0.120
BARRA	126	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	126	43691.41	1992.12>>	283.4	21640.3	0.00	29.57	1.16	7.01	0.127
	126	49755.81	-710.96<<	-316.4	861.5	0.00	34.52	1.23	2.50	0.080
	126	43850.12	387.29	441.7>>	4792.5	0.00	46.15	1.80	1.36	0.096
	126	49622.57	902.66	-481.0<<	18594.3	0.00	52.43	1.88	3.18	0.129
	127	43712.28	1767.90>>	283.4	23784.4	0.00	29.58	1.16	6.23	0.116
	127	49734.94	-921.24<<	-316.4	-59.6	0.00	34.51	1.23	3.24	0.089
	127	43846.85	173.54	440.1>>	5030.0	0.00	45.97	1.79	0.61	0.090
	127	49650.61	675.12	-482.2<<	19485.7	0.00	52.58	1.88	2.38	0.120
BARRA	127	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	127	43728.49	1462.24>>	256.9	22808.0	0.00	26.81	1.05	5.15	0.096
	127	49740.14	-884.43<<	-306.6	721.3	0.00	33.45	1.20	3.11	0.085
	127	43906.94	-33.12	435.4>>	-2071.6	0.00	45.51	1.77	0.12	0.085
	127	49587.59	617.46	-487.5<<	26495.2	0.00	53.13	1.90	2.17	0.119
	128	43749.36	1238.02>>	256.9	24343.1	0.00	26.81	1.05	4.36	0.086
	128	49719.26	-1094.70<<	-306.6	-398.9	0.00	33.44	1.20	3.85	0.094
	128	43927.81	-245.05	431.9>>	-2249.1	0.00	45.15	1.76	0.86	0.090
	128	49566.72	393.25	-487.5<<	27094.2	0.00	53.12	1.91	1.38	0.111
BARRA	128	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	128	43755.53	1458.68>>	256.9	24334.9	0.00	26.82	1.05	5.14	0.096
	128	49725.43	-874.04<<	-306.6	-407.0	0.00	33.44	1.20	3.08	0.085
	128	43933.98	-24.39	431.9>>	-2257.2	0.00	45.15	1.76	0.09	0.084
	128	49572.88	613.90	-487.5<<	27086.0	0.00	53.12	1.91	2.16	0.119
	129	43776.40	1234.47>>	256.9	25865.9	0.00	26.82	1.05	4.35	0.086
	129	49729.48	-1085.19<<	-308.5	-1443.3	0.00	33.66	1.20	3.82	0.094
	129	43929.93	-235.44	430.4>>	-2496.8	0.00	45.00	1.75	0.83	0.089
	129	49602.52	387.59	-489.0<<	27643.3	0.00	53.29	1.91	1.36	0.111

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SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	129	43781.37	932.47>>	233.9	24780.6	0.00	24.42	0.95	3.28	0.069
	129	49729.50	-1048.59<<	-286.0	-643.2	0.00	31.20	1.12	3.69	0.087
	129	45570.49	-132.74	456.7>>	-5011.5	0.00	48.34	1.84	0.47	0.094
	129	47941.43	19.50	-515.7<<	29977.8	0.00	55.55	2.04	0.07	0.107
	130	43830.75	709.39>>	239.6	24174.0	0.00	25.03	0.98	2.50	0.061
	130	49704.87	-1260.61<<	-294.6	-530.2	0.00	32.16	1.15	4.44	0.099
	130	45591.36	-344.67	453.2>>	-5303.7	0.00	47.98	1.82	1.21	0.099
	130	47920.56	-204.72	-515.7<<	29888.8	0.00	55.54	2.04	0.72	0.112

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	130	43830.90	924.76>>	239.6	24173.5	0.00	25.03	0.98	3.26	0.070
	130	49705.02	-1045.21<<	-294.8	-530.7	0.00	32.16	1.15	3.68	0.089
	130	45591.52	-129.27	453.2>>	-5304.3	0.00	47.98	1.82	0.46	0.093
	130	47920.72	10.68	-515.7<<	29888.3	0.00	55.54	2.04	0.04	0.107
	131	43851.78	714.51>>	239.6	25098.6	0.00	25.03	0.98	2.52	0.061
	131	49684.15	-1269.43<<	-298.3	-1843.7	0.00	32.53	1.16	4.47	0.100
	131	45588.39	-337.62	451.9>>	-5661.9	0.00	47.83	1.82	1.19	0.098
	131	47948.59	-214.42	-517.5<<	29752.3	0.00	55.73	2.05	0.76	0.112

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	131	43937.73	669.35>>	346.7	4061.1	0.00	36.24	1.41	2.36	0.083
	131	49540.11	-1511.17<<	-405.4	18853.5	0.00	44.17	1.58	5.32	0.136
	131	45602.02	-327.40	488.6>>	-6337.7	0.00	51.72	1.97	1.15	0.107
	131	47898.69	-515.69	-548.9<<	30152.5	0.00	59.10	2.17	1.82	0.130
	132	43958.61	459.08>>	346.7	4692.3	0.00	36.25	1.41	1.62	0.076
	132	49519.23	-1735.39<<	-405.4	17004.5	0.00	44.16	1.58	6.11	0.147
	132	45622.89	-539.33	485.1>>	-6853.7	0.00	51.36	1.95	1.90	0.113
	132	47877.81	-739.90	-548.9<<	29448.3	0.00	59.10	2.17	2.61	0.139

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	132	43953.08	668.22>>	346.7	4698.8	0.00	36.25	1.41	2.35	0.083
	132	49513.71	-1526.25<<	-405.4	17011.0	0.00	44.16	1.59	5.37	0.137
	132	45617.37	-330.19	485.1>>	-6847.2	0.00	51.36	1.95	1.16	0.106
	132	47872.29	-530.77	-548.9<<	29454.8	0.00	59.09	2.17	1.87	0.131
	133	43973.96	457.95>>	346.7	5328.8	0.00	36.25	1.41	1.61	0.076
	133	49192.84	-1750.47<<	-405.4	15144.6	0.00	44.15	1.59	6.16	0.148
	133	45616.87	-535.86	483.8>>	-7427.6	0.00	51.23	1.95	1.89	0.113
	133	47894.97	-754.64	-550.9<<	28699.1	0.00	59.32	2.18	2.66	0.140

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	133	43968.98	479.47>>	343.0	4360.4	0.00	35.86	1.40	1.69	0.076
	133	49482.49	-2060.56<<	-402.4	15637.6	0.00	43.82	1.57	7.26	0.163
	133	45631.47	-652.12	526.0>>	-6064.4	0.00	55.70	2.12	2.30	0.128
	133	47839.26	-934.09	-586.4<<	26948.1	0.00	63.11	2.32	3.29	0.157
	134	43989.85	269.20>>	343.0	4773.6	0.00	35.87	1.40	0.95	0.069
	134	49461.61	-2264.77<<	-402.4	13157.1	0.00	43.81	1.57	8.05	0.174
	134	45652.34	-876.34	522.6>>	-6960.5	0.00	55.34	2.10	3.09	0.136
	134	47818.39	-1146.02	-586.4<<	25770.1	0.00	63.10	2.32	4.04	0.166

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	134	51437.19	477.89>>	343.0	9116.0	0.00	37.86	1.32	1.68	0.079
	134	56908.95	-2076.08<<	-402.4	17499.5	0.00	46.06	1.50	7.31	0.169
	134	53099.68	-667.64	522.6>>	-2618.1	0.00	58.34	1.99	2.35	0.132
	134	55265.73	-937.33	-586.4<<	30112.5	0.00	66.41	2.20	3.30	0.162
	135	51458.06	267.62>>	343.0	9526.9	0.00	37.86	1.32	0.94	0.072
	135	56888.08	-2300.30<<	-402.4	15000.7	0.00	46.05	1.50	8.10	0.181
	135	53103.58	-882.93	521.3>>	-3579.2	0.00	58.21	1.99	3.11	0.141
	135	55279.66	-1147.68	-588.6<<	28902.0	0.00	66.67	2.21	4.04	0.172

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	135	51499.50	293.85>>	337.9	8548.3	0.00	37.32	1.30	1.03	0.071
	135	56932.67	-2607.64<<	-386.5	15462.2	0.00	44.25	1.44	9.18	0.194
	135	53147.73	-862.24	579.9>>	-4440.3	0.00	64.76	2.21	3.04	0.156
	135	55310.04	-1449.49	-628.7<<	29234.8	0.00	71.23	2.36	5.10	0.198
	136	51520.37	83.58>>	337.9	8747.8	0.00	37.33	1.30	0.29	0.065
	136	56911.80	-2831.86<<	-386.5	12352.4	0.00	44.24	1.44	9.97	0.207
	136	53168.60	-1086.46	576.4>>	-5578.3	0.00	64.38	2.20	3.83	0.164
	136	55289.17	-1659.76	-628.7<<	27464.8	0.00	71.22	2.36	5.84	0.208

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	136	51520.08	290.47>>	337.9	8771.7	0.00	37.33	1.30	1.02	0.071
	136	56911.51	-2624.97<<	-386.5	12376.3	0.00	44.24	1.44	9.24	0.195
	136	53168.31	-879.56	576.4>>	-5554.4	0.00	64.38	2.20	3.10	0.156
	136	55288.88	-1452.87	-628.7<<	27488.7	0.00	71.22	2.36	5.12	0.198
	137	51540.95	80.20>>	337.9	8967.2	0.00	37.33	1.30	0.28	0.065
	137	56890.64	-2849.18<<	-386.5	9246.3	0.00	44.24	1.44	10.03	0.208
	137	53166.82	-1106.59	575.4>>	-6693.0	0.00	64.27	2.19	3.96	0.165
	137	55278.76	-1674.72	-631.0<<	25740.6	0.00	71.47	2.37	5.90	0.209

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	137	51865.16	115.87>>	225.6	6996.8	0.00	24.93	0.87	0.41	0.041
	137	56905.44	-3155.30<<	-360.0	9647.7	0.00	41.21	1.34	11.11	0.219
	137	53178.16	-1036.97	649.5>>	-6953.3	0.00	72.55	2.48	3.65	0.183
	137	55280.29	-2006.50	-678.9<<	25339.2	0.00	76.90	2.55	7.07	0.240
	138	51586.04	-94.40>>	225.6	6991.9	0.00	24.93	0.87	0.33	0.040
	138	56884.57	-3379.51<<	-360.0	5908.4	0.00	41.20	1.34	11.90	0.233
	138	53199.03	-1261.18	646.0>>	-8291.9	0.00	72.17	2.46	4.44	0.192
	138	55259.42	-2216.77	-678.9<<	22929.0	0.00	76.89	2.55	7.81	0.251
BARRA	138	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	138	51581.46	111.85>>	225.6	7015.7	0.00	24.93	0.87	0.39	0.041
	138	56879.99	-3173.26<<	-360.0	5932.1	0.00	41.20	1.34	11.17	0.220
	138	53194.45	-1054.93	646.0>>	-8268.2	0.00	72.17	2.46	3.71	0.183
	138	55254.84	-2010.51	-678.9<<	22952.8	0.00	76.89	2.55	7.08	0.240
	139	51602.33	-98.42>>	225.6	7005.2	0.00	24.94	0.87	0.35	0.040
	139	56859.12	-3397.48<<	-360.0	2171.1	0.00	41.19	1.34	11.96	0.234
	139	53209.17	-1283.22	645.3>>	-9620.6	0.00	72.09	2.46	4.52	0.193
	139	55236.65	-2235.01	-681.2<<	20536.1	0.00	77.13	2.56	7.87	0.253
BARRA	139	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	139	51632.68	-45.09>>	22.4	4676.7	0.00	2.47	0.09	0.16	0.003
	139	56874.44	-3703.08<<	-332.7	2570.7	0.00	38.08	1.24	13.04	0.246
	139	53192.31	-1239.71	747.3>>	-10696.4	0.00	83.49	2.85	4.37	0.220
	139	55247.84	-2527.49	-748.6<<	20790.4	0.00	84.78	2.81	8.90	0.289
	140	51653.55	-255.36>>	22.4	4486.5	0.00	2.47	0.09	0.90	0.008
	140	56853.57	-3927.30<<	-332.7	-1798.9	0.28	38.07	1.24	13.83	0.260
	140	53213.18	-1463.92	743.9>>	-12268.5	0.00	83.11	2.83	5.15	0.230
	140	55226.97	-2737.76	-748.6<<	17780.7	0.00	84.77	2.82	9.64	0.301
BARRA	140	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	140	51644.52	-49.38>>	22.4	4506.7	0.00	2.47	0.09	0.17	0.003
	140	56844.53	-3721.32<<	-332.7	-1778.7	0.00	38.07	1.24	13.10	0.247
	140	53204.15	-1257.95	743.9>>	-12248.2	0.00	83.11	2.84	4.43	0.220
	140	55217.93	-2531.79	-748.6<<	17801.0	0.00	84.76	2.82	8.92	0.289
	141	51665.39	-259.65>>	22.4	4311.2	0.00	2.47	0.09	0.91	0.008
	141	56823.66	-3945.54<<	-332.7	-6169.6	0.35	38.06	1.24	13.89	0.261
	141	53238.52	-1487.54	743.3>>	-13848.3	0.00	83.07	2.83	5.24	0.231
	141	55189.98	-2758.88	-750.7<<	14752.4	0.00	84.99	2.82	9.71	0.302

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	141	51665.00	-189.98>>	29.0	4274.7	0.00	3.21	0.11	0.67	0.007
	141	56812.54	-4249.55<<	-296.9	-5861.1	1.51	33.96	1.10	14.96	0.272
	141	53178.72	-1449.91	892.8>>	-14726.6	0.00	99.73	3.40	5.11	0.274
	141	55190.19	-3044.42	-850.5<<	14985.4	0.00	96.28	3.20	10.72	0.349
	142	51685.87	-400.25>>	29.0	3917.6	0.00	3.21	0.11	1.41	0.014
	142	56791.67	-4473.77<<	-296.9	-10859.4	2.37	33.96	1.11	15.75	0.286
	142	53199.59	-1674.13	889.3>>	-16540.6	0.00	99.35	3.39	5.90	0.284
	142	55169.32	-3254.69	-850.5<<	11381.0	0.00	96.26	3.20	11.46	0.362
BARRA	142	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	142	51619.96	-205.04>>	29.0	3953.1	0.00	3.21	0.11	0.72	0.008
	142	56725.76	-4278.56<<	-296.9	-10823.9	1.64	33.94	1.11	15.07	0.273
	142	53133.68	-1478.92	889.3>>	-16505.2	0.00	99.31	3.39	5.21	0.275
	142	55103.41	-3059.48	-850.5<<	11416.5	0.00	96.22	3.20	10.77	0.350
	143	51640.83	-415.31>>	29.0	3578.5	0.00	3.21	0.11	1.46	0.014
	143	56704.89	-4502.78<<	-296.9	-15855.7	2.50	33.94	1.11	15.86	0.288
	143	53189.59	-1709.85	888.9>>	-18377.1	0.00	99.30	3.39	6.02	0.286
	143	55064.65	-3289.15	-852.4<<	7722.5	0.00	96.42	3.21	11.58	0.364
BARRA	143	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	143	51533.53	-358.11>>	37.0	3548.8	0.00	4.09	0.14	1.26	0.013
	143	56512.03	-4816.13<<	-268.5	-15563.7	3.74	30.66	1.00	16.96	0.301
	143	52965.28	-1674.96	1137.5>>	-19660.0	0.00	126.89	4.34	5.90	0.363
	143	54917.00	-3581.28	-1018.8<<	7959.4	0.00	115.13	3.84	12.61	0.434
	144	51554.40	-568.38>>	37.0	2998.7	0.00	4.09	0.14	2.00	0.021
	144	56491.16	-5040.35<<	-268.5	-21213.3	4.60	30.66	1.00	17.75	0.316
	144	52986.15	-1899.18	1134.1>>	-21732.6	0.00	126.52	4.33	6.69	0.373
	144	54896.13	-3791.55	-1018.8<<	3737.9	0.14	115.11	3.84	13.35	0.447
BARRA	144	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	144	51462.82	-381.70>>	37.0	3001.7	0.00	4.08	0.14	1.34	0.014
	144	56399.57	-4853.67<<	-268.5	-21210.3	3.91	30.64	1.00	17.09	0.304
	144	52894.57	-1712.50	1134.1>>	-21729.6	0.00	126.44	4.33	6.03	0.364
	144	54804.54	-3604.87	-1018.8<<	3740.9	0.00	115.04	3.84	12.69	0.435
	145	51483.69	-591.97>>	37.0	2423.9	0.00	4.08	0.14	2.08	0.021
	145	56378.70	-5077.88<<	-268.5	-26903.5	4.77	30.63	1.00	17.88	0.319
	145	52970.12	-1944.80	1133.7>>	-23891.2	0.00	126.47	4.33	6.85	0.376
	145	54755.59	-3837.12	-1020.5<<	-624.9	0.34	115.20	3.85	13.51	0.450

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*U1C+0,9*(GT+Vc)

BARRA	145	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	145	51276.09	-2182.08>>	49.3	2353.9	0.00	5.44	0.19	1.68	0.096
	145	55763.62	-7194.06<<	-274.3	-26666.5	13.03	31.17	1.03	25.33	0.467
	145	52537.94	-3574.52	1560.8>>	-21502.0	0.00	173.60	5.98	12.59	0.613
	145	54272.14	-5896.64	-1332.3<<	-437.2	8.42	149.92	5.04	20.76	0.688
	146	51290.24	-2393.02>>	49.3	-296.2	0.00	5.44	0.19	8.43	0.108
	146	55735.57	-7417.61<<	-274.3	-35055.2	13.90	31.17	1.03	26.12	0.484
	146	52617.03	-3810.88	1557.5>>	-28823.0	0.66	173.33	5.96	13.42	0.626
	146	54244.54	-6106.25	-1332.3<<	-7325.1	9.24	149.89	5.04	21.50	0.702

BARRA	146	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	146	63859.43	-2272.07>>	49.3	5686.6	0.00	5.89	0.18	8.00	0.107
	146	68304.77	-7296.66<<	-274.3	-29072.3	10.48	33.61	0.95	25.69	0.493
	146	65186.22	-3689.93	1557.5>>	-22840.2	0.00	187.50	5.51	12.99	0.654
	146	66813.73	-5985.30	-1332.3<<	-1342.2	5.96	161.89	4.67	21.08	0.730
	147	63871.63	-2543.64>>	49.3	2898.8	0.00	3.00	0.10	2.51	0.023
	147	68274.78	-7580.85<<	-274.3	-37613.3	0.00	17.07	0.53	7.48	0.124
	147	65197.98	-3975.45	1557.5>>	-27267.4	0.00	95.37	3.06	3.92	0.122
	147	66748.82	-6279.02	-1334.0<<	-8531.2	0.00	82.36	2.60	6.20	0.150

BARRA	147	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	147	64153.11	-1773.15>>	64.9	2968.9	0.00	3.95	0.13	1.75	0.014
	147	68881.68	-7056.00<<	-287.0	-37224.8	0.00	17.92	0.55	6.97	0.112
	147	65597.01	-3186.77	1996.0>>	-27779.5	0.00	122.48	3.92	3.15	0.146
	147	67285.15	-5751.12	-1630.9<<	-8119.6	0.00	100.98	3.17	5.68	0.162
	148	64173.99	-2044.05>>	64.9	756.2	0.00	3.95	0.13	2.02	0.017
	148	68860.81	-7340.85<<	-287.0	-45485.5	0.00	17.92	0.55	7.25	0.119
	148	67264.28	-6022.02	-1630.9<<	-14871.6	0.00	100.97	3.17	5.94	0.168

BARRA	148	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	148	64390.82	-3685.83>>	64.9	955.8	0.00	3.96	0.13	3.64	0.040
	148	69077.64	-8982.63<<	-287.0	-45285.8	4.43	17.94	0.55	8.87	0.159
	148	65834.72	-5113.40	1992.5>>	-31426.3	0.00	122.42	3.90	5.05	0.178
	148	67481.11	-7663.80	-1630.9<<	-14672.0	0.00	101.08	3.17	7.57	0.204
	149	64411.69	-3956.73>>	64.9	-3456.4	0.00	3.96	0.13	3.91	0.044
	149	69056.77	-9267.48<<	-287.0	-55762.1	5.55	17.93	0.55	9.15	0.167
	149	65916.86	-5409.06	1990.8>>	-37589.6	0.00	122.37	3.90	5.34	0.184
	149	67428.63	-7961.86	-1631.1<<	-23844.8	0.98	101.07	3.17	7.86	0.211

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*U1C+0.9*(GT+Vc)

BARRA	149	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	149	65150.29	10716.29>>	867.6	-55616.1	12.73	53.11	1.71	10.58	0.229
	149	68959.51	5369.06<<	-7.6	-3486.7	0.00	0.47	0.01	5.30	0.070
	149	68502.28	9941.30	1937.4>>	-37737.5	8.39	120.72	3.74	9.81	0.286
	149	65491.33	6202.83	-1604.1<<	-23419.2	0.00	98.37	3.15	6.12	0.168
	150	65171.16	10431.44>>	867.6	-43475.8	11.59	53.12	1.71	10.30	0.221
	150	68938.64	5098.15<<	-7.6	2549.7	0.00	0.47	0.01	5.03	0.065
	150	68481.40	9668.74	1933.9>>	-26444.0	7.33	120.49	3.74	9.55	0.281
	150	65512.21	5919.64	-1604.1<<	-16466.5	0.00	98.38	3.15	5.84	0.162

BARRA	150	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	150	65377.43	9311.77>>	867.6	-43308.8	7.05	53.17	1.70	9.19	0.191
	150	69144.91	3978.48<<	-7.6	2716.7	0.00	0.47	0.01	3.93	0.045
	150	68687.68	8549.07	1933.9>>	-26277.0	2.87	120.62	3.73	8.44	0.252
	150	65718.48	4799.96	-1604.1<<	-16299.4	0.00	98.49	3.14	4.74	0.140
	151	65398.31	9026.92>>	867.6	-32781.4	5.91	53.18	1.70	8.91	0.184
	151	69124.04	3707.57<<	-7.6	7154.2	0.00	0.47	0.01	3.66	0.040
	151	68703.82	8290.69	1931.7>>	-16655.8	1.85	120.49	3.73	8.18	0.245
	151	65720.30	4542.66	-1604.1<<	-11115.3	0.00	98.50	3.14	4.48	0.136

BARRA	151	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	151	68730.06	9473.61>>	695.3	-33701.6	6.47	43.36	1.34	9.35	0.189
	151	65992.23	4618.31<<	-18.1	7287.0	0.00	1.11	0.04	4.56	0.055
	151	68755.90	8813.25	1489.4>>	-17307.8	3.88	92.93	2.87	8.70	0.223
	151	65933.08	5358.98	-1222.5<<	-10600.4	0.00	75.15	2.39	5.29	0.124
	152	68718.30	9188.10>>	695.3	-22948.0	17.31	85.39	2.41	32.35	0.761
	152	66021.77	4348.07<<	-18.1	12427.6	0.12	2.19	0.06	15.31	0.231
	152	65963.07	5074.79	-1222.5<<	-4615.6	2.79	147.83	4.31	17.87	0.625

BARRA	152	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	152	55910.52	8250.84>>	695.3	-29088.9	17.04	79.08	2.60	29.05	0.658
	152	53213.99	3410.82<<	-18.1	6286.7	0.00	2.02	0.07	12.01	0.162
	152	55935.96	7602.77	1485.9>>	-13447.8	14.55	169.03	5.56	26.77	0.870
	152	53155.29	4137.54	-1222.5<<	-10756.5	1.83	136.54	4.66	14.57	0.532
	153	55896.82	8025.96>>	695.3	-19707.1	16.19	79.07	2.60	28.26	0.641
	153	53241.59	3201.21<<	-18.1	10073.1	0.00	2.02	0.07	11.27	0.150
	153	55921.87	7390.17	1482.4>>	-4804.6	13.74	168.62	5.55	26.02	0.853
	153	53183.34	3913.99	-1222.5<<	-6142.0	0.95	136.57	4.66	13.78	0.518

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	153	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	153	52799.19	5945.78>>	557.1	-20445.8	8.99	62.07	2.13	20.94	0.444
	153	56463.06	1471.06<<	-18.9	10091.9	0.00	2.15	0.07	5.18	0.058
	153	56015.90	5237.83	1067.3>>	-5604.9	5.46	121.47	3.99	18.44	0.559
	153	53179.09	2244.29	-854.9<<	-5391.8	0.00	95.50	3.26	7.90	0.303
	154	52820.06	5721.56>>	557.1	-13754.7	8.10	62.08	2.13	20.15	0.429
	154	56442.19	1260.79<<	-18.9	11680.5	0.00	2.15	0.07	4.44	0.048
	154	55995.03	5025.90	1063.8>>	314.5	4.66	121.06	3.98	17.70	0.543
	154	53199.97	2020.07	-854.9<<	-2957.4	0.00	95.51	3.26	7.11	0.291

BARRA	154	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	154	54908.06	5906.65>>	557.1	-17152.8	8.30	62.95	2.10	20.80	0.446
	154	58530.19	1445.88<<	-18.9	8282.4	0.00	2.18	0.07	5.09	0.058
	154	58083.03	5210.99	1063.8>>	-3083.6	4.90	122.69	3.93	18.35	0.561
	154	55287.96	2205.16	-854.9<<	-6355.5	0.00	96.84	3.21	7.77	0.304
	155	54928.93	5682.44>>	557.1	-10506.9	7.43	62.96	2.10	20.01	0.431
	155	58509.31	1235.61<<	-18.9	9841.7	0.00	2.18	0.07	4.35	0.048
	155	58054.57	4978.69	1060.4>>	2848.7	4.02	122.27	3.92	17.53	0.544
	155	55308.84	1980.94	-854.9<<	-3966.3	0.00	96.85	3.21	6.98	0.292

BARRA	155	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	155	54868.70	5357.21>>	451.2	-11291.2	6.19	50.97	1.70	18.86	0.380
	155	58511.67	1297.90<<	-29.4	9775.7	0.00	3.40	0.11	4.57	0.052
	155	58044.71	4685.11	794.9>>	2044.1	2.92	91.65	2.94	16.50	0.440
	155	55266.81	2023.14	-664.3<<	-2925.0	0.00	75.24	2.50	7.12	0.237
	156	54889.57	5132.99>>	451.2	-5276.8	5.32	50.97	1.70	18.07	0.365
	156	58490.80	1087.63<<	-29.4	11165.3	0.00	3.40	0.11	3.83	0.042
	156	55287.68	1798.93	-664.3<<	-744.7	0.00	75.25	2.50	6.33	0.225

BARRA	156	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	156	54919.72	5334.16>>	451.2	-5283.1	6.09	50.98	1.70	18.78	0.379
	156	58520.95	1288.81<<	-29.4	11159.0	0.00	3.40	0.11	4.54	0.051
	156	58053.99	4674.36	791.4>>	7321.8	2.87	91.26	2.92	16.46	0.438
	156	55317.83	2000.10	-664.3<<	-751.0	0.00	75.27	2.50	7.04	0.236
	157	54940.59	5109.95>>	451.2	704.6	5.22	50.99	1.70	17.99	0.364
	157	58500.08	1078.54<<	-29.4	12537.9	0.00	3.40	0.11	3.80	0.042
	157	58016.15	4444.74	788.5>>	12590.5	2.01	90.89	2.91	15.65	0.422
	157	55338.71	1775.88	-664.3<<	1402.5	0.00	75.28	2.50	6.25	0.224

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	157	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	157	54971.56	4785.24>>	372.4	-95.1	3.96	42.09	1.40	16.85	0.322
	157	58491.56	1129.12<<	-222.7	13022.2	0.00	25.74	0.82	3.98	0.080
	157	58077.68	3933.71	607.4>>	18644.8	0.07	70.05	2.24	13.85	0.335
	157	55378.26	2019.68	-577.8<<	-4489.5	0.00	65.50	2.17	7.11	0.212
	158	54992.43	4561.02>>	372.4	5261.4	3.09	42.10	1.40	16.06	0.308
	158	58470.68	918.85<<	-222.7	14217.6	0.00	25.74	0.82	3.24	0.071
	158	58056.80	3721.78	603.9>>	23064.5	0.00	69.64	2.23	13.11	0.321
	158	55399.13	1795.46	-577.8<<	-2313.4	0.00	65.50	2.17	6.32	0.201

BARRA	158	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	158	55018.89	4764.73>>	372.4	5247.8	3.87	42.11	1.40	16.78	0.321
	158	58497.14	1122.57<<	-222.7	14204.0	0.00	25.75	0.82	3.95	0.080
	158	58083.26	3925.50	603.9>>	23050.9	0.03	69.65	2.23	13.82	0.334
	158	55425.59	1999.18	-577.8<<	-2326.9	0.00	65.52	2.17	7.04	0.211
	159	55039.76	4540.52>>	372.4	10580.5	3.00	42.11	1.40	15.99	0.306
	159	58476.27	912.30<<	-222.7	15391.6	0.00	25.74	0.82	3.21	0.070
	159	58037.54	3698.58	601.4>>	27417.8	0.00	69.33	2.22	13.02	0.319
	159	55446.46	1774.96	-577.8<<	-174.6	0.00	65.52	2.17	6.25	0.200

BARRA	159	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	159	55090.90	4216.60>>	311.2	9772.3	1.74	35.20	1.17	14.85	0.271
	159	58482.41	954.69<<	-336.8	16248.9	0.00	38.94	1.24	3.36	0.099
	159	58106.55	2352.87	473.0>>	16652.6	0.00	54.56	1.75	8.29	0.204
	159	55509.63	2845.50	-539.0<<	10670.7	0.00	61.14	2.02	10.02	0.247
	160	55146.22	3992.38>>	311.2	14445.7	0.86	35.22	1.17	14.06	0.257
	160	58427.09	744.41<<	-336.8	17272.3	0.00	38.93	1.24	2.62	0.090
	160	55564.95	2621.28	-539.0<<	13767.3	0.00	61.16	2.02	9.23	0.234

BARRA	160	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	160	55205.42	4193.28>>	311.2	14400.0	1.62	35.23	1.17	14.77	0.269
	160	58486.30	945.32<<	-336.8	17226.6	0.00	38.94	1.24	3.33	0.099
	160	58110.43	2341.84	469.5>>	19237.3	0.00	54.16	1.73	8.25	0.202
	160	55624.15	2822.19	-539.0<<	13721.6	0.00	61.19	2.02	9.94	0.246
	161	55260.74	3968.07>>	311.2	19046.7	0.75	35.24	1.17	13.98	0.255
	161	58430.98	735.05<<	-336.8	18239.4	0.00	38.93	1.24	2.59	0.090
	161	58023.71	2117.64	467.4>>	21777.9	0.00	53.88	1.73	7.46	0.189
	161	55745.19	2590.41	-539.2<<	16758.7	0.00	61.26	2.02	9.12	0.233

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	161	55378.26	3639.09>>	260.9	18095.9	0.00	29.57	0.98	12.81	0.223
	161	58542.62	760.99<<	-360.9	19061.9	0.00	41.74	1.33	2.68	0.097
	161	58166.43	2029.57	403.7>>	21095.3	0.00	46.59	1.49	7.15	0.168
	161	55799.45	2392.61	-546.7<<	17436.9	0.00	62.14	2.05	8.43	0.224
	162	55433.58	3414.87>>	260.9	22105.3	0.00	29.58	0.98	12.02	0.210
	162	58487.30	550.72<<	-360.9	19862.8	0.00	41.73	1.33	1.94	0.088
	162	58111.11	1817.65	400.3>>	23354.1	0.00	46.17	1.48	6.40	0.156
	162	55854.77	2168.39	-546.7<<	20012.9	0.00	62.16	2.05	7.64	0.212
BARRA	162	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	162	55526.38	3616.32>>	260.9	22015.0	0.00	29.60	0.98	12.73	0.222
	162	58580.10	752.17<<	-360.9	19772.4	0.00	41.75	1.33	2.65	0.096
	162	58203.90	2019.09	400.3>>	23263.7	0.00	46.20	1.48	7.11	0.167
	162	55947.57	2369.84	-546.7<<	19922.5	0.00	62.20	2.05	8.34	0.223
	163	55581.70	3392.10>>	260.9	25998.0	0.00	29.61	0.98	11.94	0.209
	163	58524.78	541.89<<	-360.9	20562.9	0.00	41.74	1.33	1.91	0.088
	163	58112.02	1797.62	398.4>>	25405.0	0.00	45.96	1.47	6.33	0.155
	163	56079.01	2139.29	-547.2<<	22427.1	0.00	62.31	2.05	7.53	0.211
BARRA	163	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	163	55683.46	3067.45>>	222.4	25011.1	0.00	25.26	0.83	10.80	0.181
	163	58629.10	569.23<<	-421.7	21828.4	0.00	48.80	1.55	2.00	0.105
	163	58250.72	1711.48	346.4>>	24623.9	0.00	39.99	1.28	6.03	0.137
	163	56103.57	1943.64	-549.0<<	23157.8	0.00	62.52	2.05	6.84	0.201
	164	55738.78	2843.24>>	222.4	28363.3	0.00	25.27	0.83	10.01	0.168
	164	58573.78	358.96<<	-421.7	22408.9	0.00	48.78	1.55	1.26	0.097
	164	56158.89	1719.42	-549.0<<	25217.5	0.00	62.54	2.05	6.05	0.189
BARRA	164	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	164	55827.36	3047.54>>	222.4	28263.3	0.00	25.28	0.83	10.73	0.180
	164	58662.36	563.26<<	-421.7	22308.8	0.00	48.81	1.55	1.98	0.105
	164	58283.98	1703.85	342.9>>	26417.0	0.00	39.60	1.26	6.00	0.136
	164	56247.47	1923.72	-549.0<<	25117.5	0.00	62.57	2.05	6.77	0.200
	165	55882.68	2823.32>>	222.4	31592.4	0.00	25.29	0.83	9.94	0.167
	165	58607.04	352.99<<	-421.7	22882.3	0.00	48.79	1.55	1.24	0.097
	165	58188.46	1485.11	341.5>>	28174.4	0.00	39.41	1.26	5.23	0.125
	165	56386.34	1694.39	-549.8<<	27100.0	0.00	62.72	2.05	5.97	0.189

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	165	55974.19	2502.52>>	191.8	30523.6	0.00	21.83	0.72	8.81	0.142
	165	58695.50	381.41<<	-436.3	23632.6	0.00	50.51	1.60	1.34	0.102
	165	58309.56	1194.37	308.1>>	20267.8	0.00	35.59	1.14	4.21	0.103
	165	56402.76	1704.71	-555.8<<	34877.1	0.00	63.42	2.07	6.00	0.191
	166	56029.51	2278.31>>	191.8	33226.0	0.00	21.84	0.72	8.02	0.130
	166	58640.18	171.14<<	-436.3	23997.0	0.00	50.49	1.61	0.60	0.095
	166	58254.24	982.44	304.7>>	21566.1	0.00	35.17	1.12	3.46	0.092
	166	56450.08	1480.50	-555.8<<	36662.0	0.00	63.44	2.07	5.21	0.180
BARRA	166	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	166	56114.31	2487.53>>	191.8	33121.2	0.00	21.85	0.72	8.76	0.142
	166	58724.99	380.36<<	-436.3	23892.2	0.00	50.52	1.60	1.34	0.102
	166	58339.04	1191.66	304.7>>	21461.3	0.00	35.19	1.12	4.20	0.102
	166	56542.88	1689.72	-555.8<<	36557.3	0.00	63.47	2.07	5.95	0.190
	167	56169.63	2263.31>>	191.8	35806.5	0.00	21.86	0.72	7.97	0.129
	167	58669.67	170.09<<	-436.3	24255.4	0.00	50.50	1.60	0.60	0.095
	167	58241.54	975.65	303.5>>	22614.5	0.00	35.04	1.12	3.44	0.092
	167	56685.95	1461.59	-557.0<<	38264.2	0.00	63.66	2.07	5.15	0.179
BARRA	167	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	167	56254.57	1947.62>>	170.3	34586.2	0.00	19.41	0.64	6.86	0.108
	167	58752.11	200.52<<	-448.3	25026.6	0.00	51.92	1.65	0.71	0.099
	167	58354.38	1113.90	304.3>>	19305.1	0.00	35.15	1.12	3.92	0.098
	167	56695.32	1049.19	-585.6<<	41192.3	0.00	66.95	2.18	3.69	0.168
	168	56309.89	1723.40>>	170.3	36650.3	0.00	19.41	0.64	6.07	0.097
	168	58696.79	-9.76<<	-448.3	25182.7	0.00	51.90	1.65	0.03	0.095
	168	56750.64	824.97	-585.6<<	42223.1	0.00	66.97	2.18	2.91	0.159
BARRA	168	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	168	56390.33	1935.68>>	170.3	36546.6	0.00	19.42	0.64	6.82	0.108
	168	58777.24	202.52<<	-448.3	25079.1	0.00	51.93	1.65	0.71	0.099
	168	58379.50	1114.25	300.8>>	20407.0	0.00	34.76	1.11	3.92	0.097
	168	56831.09	1037.25	-585.6<<	42119.5	0.00	67.01	2.18	3.65	0.168
	169	56445.65	1711.46>>	170.3	38597.2	0.00	19.43	0.64	6.03	0.096
	169	58721.92	-7.75<<	-448.3	25237.8	0.00	51.91	1.65	0.03	0.095
	169	58281.69	900.96	300.0>>	21462.1	0.00	34.64	1.11	3.17	0.088
	169	56974.99	810.31	-587.2<<	43072.1	0.00	67.24	2.18	2.85	0.159

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	169	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	169	56525.92	1434.78>>	267.3	14098.6	0.00	30.52	1.00	5.05	0.104
	169	58798.91	-30.57<<	-568.6	49143.0	0.00	65.87	2.09	0.11	0.128
	169	58810.73	838.93	310.3>>	21202.4	0.00	35.95	1.14	2.95	0.088
	169	56555.33	576.78	-615.1<<	42934.6	0.00	70.25	2.29	2.03	0.157
	170	56581.92	1217.73>>	270.5	13916.3	0.00	30.90	1.01	4.29	0.094
	170	58742.92	-248.01<<	-571.8	50689.8	0.00	66.22	2.10	0.87	0.135
	170	58755.41	627.01	306.8>>	22091.7	0.00	35.54	1.13	2.21	0.078
	170	56610.65	352.56	-615.1<<	43422.1	0.00	70.28	2.29	1.24	0.149

BARRA	170	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	170	56655.13	1417.96>>	270.5	13822.0	0.00	30.91	1.01	4.99	0.104
	170	58816.13	-47.78<<	-571.8	50595.4	0.00	66.25	2.10	0.17	0.129
	170	58828.63	827.23	306.8>>	21997.3	0.00	35.55	1.13	2.91	0.086
	170	56683.87	552.79	-615.1<<	43327.8	0.00	70.31	2.29	1.95	0.156
	171	56710.45	1206.04>>	270.5	15284.2	0.00	30.92	1.01	4.25	0.094
	171	58801.87	-271.70<<	-574.7	50613.0	0.00	66.58	2.11	0.96	0.136
	171	58732.25	616.66	306.3>>	22719.6	0.00	35.47	1.13	2.17	0.078
	171	56825.14	327.04	-617.0<<	43722.0	0.00	70.59	2.30	1.15	0.149

BARRA	171	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	171	56835.85	1211.60>>	276.2	13862.5	0.00	31.60	1.03	4.27	0.095
	171	58871.81	-587.14<<	-586.6	51061.9	0.00	67.99	2.16	2.07	0.151
	171	58846.42	605.76	320.3>>	23365.2	0.00	37.12	1.18	2.13	0.081
	171	56819.34	27.15	-639.1<<	42518.5	0.00	73.12	2.38	0.10	0.147
	172	56891.17	1001.33>>	276.2	15088.1	0.00	31.61	1.03	3.53	0.086
	172	58816.48	-811.36<<	-590.1	50304.2	0.00	68.37	2.17	2.86	0.161
	172	56874.66	-184.78	-639.1<<	42381.1	0.00	73.15	2.38	0.65	0.151

BARRA	172	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	172	56939.54	1202.94>>	276.2	15031.8	0.00	31.62	1.03	4.24	0.095
	172	58864.86	-609.75<<	-590.1	50247.8	0.00	68.39	2.17	2.15	0.153
	172	58839.47	583.16	316.8>>	23923.0	0.00	36.71	1.16	2.05	0.079
	172	56923.03	16.83	-639.1<<	42324.7	0.00	73.17	2.38	0.06	0.147
	173	56994.86	992.67>>	276.2	16247.7	0.00	31.64	1.03	3.50	0.085
	173	58809.54	-833.96<<	-593.6	49464.4	0.00	68.77	2.18	2.94	0.163
	173	58746.31	363.00	316.6>>	24361.1	0.00	36.66	1.16	1.28	0.071
	173	57058.08	-195.45	-641.5<<	42111.1	0.00	73.50	2.38	0.69	0.152

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	173	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	173	56909.62	994.07>>	290.1	15123.3	0.00	33.20	1.08	3.50	0.089
	173	58645.89	-1155.73<<	-604.1	50073.4	0.00	69.91	2.22	4.07	0.180
	173	58700.14	278.99	342.8>>	24605.9	0.00	39.69	1.26	0.98	0.074
	173	56888.06	-435.81	-662.1<<	41476.9	0.00	75.70	2.46	1.53	0.165
	174	56964.94	783.80>>	290.1	16098.8	0.00	33.22	1.08	2.76	0.080
	174	58590.57	-1378.95<<	-604.1	48661.9	0.00	69.89	2.22	4.86	0.190
	174	58612.04	59.87	339.4>>	24696.9	0.00	39.27	1.25	0.21	0.068
	174	56943.38	-647.74	-662.1<<	40807.1	0.00	75.80	2.46	2.28	0.173

BARRA	174	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	174	56688.93	978.19>>	290.1	16149.9	0.00	33.16	1.08	3.44	0.088
	174	58314.56	-1185.56<<	-604.1	48713.0	0.00	69.77	2.23	4.17	0.181
	174	58336.03	254.26	339.4>>	24748.0	0.00	39.20	1.25	0.90	0.073
	174	56667.37	-453.35	-662.1<<	40858.2	0.00	75.67	2.47	1.60	0.166
	175	56744.25	767.92>>	290.1	17107.3	0.00	33.17	1.08	2.70	0.079
	175	58259.24	-1409.78<<	-604.1	47267.3	0.00	69.74	2.23	4.96	0.191
	175	58280.71	31.70	339.4>>	24959.1	0.00	39.19	1.25	0.11	0.067
	175	56792.45	-664.44	-664.9<<	40107.9	0.00	76.05	2.48	2.34	0.175

BARRA	175	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	175	56678.83	763.82>>	327.0	15861.6	0.00	37.38	1.22	2.69	0.088
	175	58201.62	-1737.03<<	-613.9	47712.5	0.00	70.85	2.26	6.12	0.210
	175	58235.67	21.10	386.0>>	23860.2	0.00	44.56	1.42	0.07	0.078
	175	56671.44	-993.26	-682.1<<	40494.0	0.00	77.96	2.54	3.50	0.193
	176	56734.16	553.55>>	327.0	16572.4	0.00	37.39	1.22	1.95	0.079
	176	58146.30	-1961.25<<	-613.9	45632.5	0.00	70.83	2.27	6.91	0.222
	176	56726.77	-1205.19	-682.1<<	39183.1	0.00	77.99	2.54	4.24	0.203

BARRA	176	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	176	56645.01	744.70>>	327.0	16664.0	0.00	37.37	1.22	2.62	0.087
	176	58057.16	-1770.10<<	-613.9	45724.1	0.00	70.79	2.27	6.23	0.212
	176	58065.39	-4.20	382.9>>	23759.0	0.00	44.15	1.41	0.01	0.077
	176	56637.62	-1014.04	-682.1<<	39274.8	0.00	77.94	2.54	3.57	0.194
	177	56700.33	534.43>>	327.0	17353.0	0.00	37.38	1.22	1.88	0.079
	177	58001.84	-1994.31<<	-613.9	43606.3	0.00	70.76	2.27	7.02	0.224
	177	58010.07	-226.76	382.9>>	23672.9	0.00	44.14	1.41	0.80	0.083
	177	56748.94	-1223.93	-685.5<<	37886.4	0.00	78.39	2.55	4.31	0.205

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	177	56599.29	540.86>>	217.0	15411.5	0.00	24.79	0.81	1.90	0.054
	177	57930.24	-2325.67<<	-624.3	43928.5	0.00	71.93	2.31	8.19	0.244
	177	57939.12	-246.61	448.0>>	22681.0	0.00	51.63	1.66	0.87	0.100
	177	56628.07	-1560.04	-699.7<<	38174.6	0.00	79.95	2.61	5.49	0.225
	178	56654.61	330.59>>	217.0	15865.8	0.00	24.80	0.81	1.16	0.046
	178	57874.92	-2549.89<<	-624.3	41171.4	0.00	71.90	2.31	8.98	0.257
	178	57866.63	-460.41	445.3>>	22199.3	0.00	51.29	1.65	1.62	0.107
	178	56722.27	-1760.72	-700.2<<	36163.9	0.00	80.06	2.61	6.23	0.236
BARRA	178	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	178	56561.13	517.42>>	217.0	15943.3	0.00	24.78	0.81	1.82	0.053
	178	57781.44	-2363.06<<	-624.3	41249.0	0.00	71.86	2.31	8.32	0.246
	178	57773.15	-273.58	445.3>>	22276.9	0.00	51.26	1.65	0.96	0.100
	178	56628.79	-1581.89	-700.2<<	36241.4	0.00	80.01	2.61	5.57	0.226
	179	56616.45	307.15>>	217.0	16370.7	0.00	24.79	0.81	1.08	0.045
	179	57726.32	-2587.27<<	-624.3	38449.0	0.00	71.84	2.31	9.11	0.259
	179	57717.83	-496.14	445.3>>	21880.8	0.00	51.24	1.65	1.75	0.108
	179	56684.31	-1793.82	-703.7<<	34253.6	0.00	80.44	2.62	6.32	0.238
BARRA	179	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	179	56196.96	351.13>>	-100.0	14247.7	0.00	11.42	0.37	1.24	0.023
	179	57574.56	-2927.74<<	-642.0	38631.9	0.00	73.80	2.38	10.31	0.283
	179	57585.87	-605.08	384.7>>	22006.9	0.00	44.23	1.42	2.13	0.096
	179	56511.04	-2123.03	-718.6<<	34246.9	0.00	82.05	2.68	7.48	0.259
	180	56552.18	140.86>>	-100.0	14483.7	0.00	11.42	0.37	0.50	0.017
	180	57519.24	-3151.96<<	-642.0	35182.3	0.00	73.78	2.38	11.10	0.296
	180	56573.96	-2346.38	-719.9<<	31727.9	0.00	82.23	2.68	8.26	0.272
BARRA	180	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	180	56454.34	323.89>>	-100.0	14540.3	0.00	11.41	0.37	1.14	0.023
	180	57421.40	-2968.93<<	-642.0	35238.9	0.00	73.73	2.38	10.45	0.285
	180	57412.54	-650.69	382.6>>	21322.3	0.00	43.93	1.42	2.29	0.097
	180	56476.12	-2163.35	-719.9<<	31784.5	0.00	82.18	2.69	7.62	0.262
	181	56509.66	113.62>>	-100.0	14745.3	0.00	11.42	0.37	0.40	0.016
	181	57366.07	-3193.15<<	-642.0	31742.3	0.00	73.70	2.38	11.24	0.299
	181	57357.22	-874.91	382.6>>	20491.8	0.00	43.92	1.42	3.08	0.106
	181	56531.44	-2375.28	-723.4<<	29128.3	0.00	82.67	2.70	8.36	0.275

SANT BOI ELU(t=0):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^é +(Td/Tul)^é
	181	56327.67	-1640.28>>	-98.5	14729.5	0.00	11.24	0.37	5.78	0.079
	181	56859.08	-5371.07<<	-654.5	31796.0	5.78	74.90	2.44	18.91	0.441
	181	57056.97	-2695.89	197.3>>	20345.2	0.00	22.61	0.73	10.20	0.167
	181	56045.73	-4516.37	-721.2<<	28906.4	2.69	82.10	2.70	15.90	0.402
	182	56376.26	-1852.32>>	-98.5	12673.4	0.00	11.24	0.37	6.52	0.089
	182	56796.58	-5593.62<<	-654.5	25534.6	6.64	74.87	2.44	19.70	0.456
	182	56990.52	-3123.59	195.9>>	16956.4	0.00	22.44	0.73	11.00	0.180
	182	56092.78	-4744.28	-723.2<<	23599.7	3.56	82.35	2.70	16.71	0.410
BARRA	182	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^é +(Td/Tul)^é
	182	56281.01	-1673.20>>	-98.5	12705.2	0.00	11.23	0.37	5.89	0.080
	182	56701.33	-5414.40<<	-654.5	25566.4	5.98	74.82	2.44	19.07	0.444
	182	56895.27	-2944.47	195.9>>	16988.2	0.00	22.42	0.73	10.37	0.169
	182	55997.53	-4565.16	-723.2<<	23631.5	2.89	82.30	2.71	16.08	0.406
	183	56327.66	-1945.88>>	-98.5	10576.5	0.00	5.74	0.20	1.92	0.015
	183	56636.90	-5697.48<<	-654.5	19220.3	0.00	38.18	1.35	5.62	0.093
	183	56830.83	-3227.55	195.9>>	13484.0	0.00	11.44	0.40	3.19	0.034
	183	56044.13	-4839.49	-726.6<<	18174.4	0.00	42.24	1.50	4.78	0.080
BARRA	183	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^é +(Td/Tul)^é
	183	56326.29	-87.25>>	-73.8	10546.6	0.00	4.30	0.15	0.09	0.001
	183	56963.04	-4199.78<<	-517.4	19119.7	0.00	30.24	1.07	4.15	0.060
	183	56956.79	-1617.17	3.9>>	13261.6	0.00	0.23	0.01	1.60	0.011
	183	56334.95	-3335.19	-566.7<<	18052.1	0.00	33.00	1.17	3.29	0.049
	184	56381.62	-358.16>>	-73.8	10243.8	0.00	4.30	0.15	0.35	0.002
	184	56907.72	-4484.63<<	-517.4	14172.7	0.00	30.23	1.07	4.43	0.065
	184	56386.29	-3624.76	-569.1<<	14034.8	0.00	33.15	1.18	3.58	0.053
BARRA	184	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^é +(Td/Tul)^é
	184	56293.39	-226.90>>	-73.8	10244.5	0.00	4.30	0.15	0.22	0.001
	184	56819.49	-4353.37<<	-517.4	14173.4	0.00	30.22	1.07	4.30	0.063
	184	56818.38	-1777.19	3.0>>	11294.8	0.00	0.17	0.01	1.75	0.013
	184	56298.06	-3493.51	-569.1<<	14035.4	0.00	33.13	1.18	3.45	0.051
	185	56348.71	-497.81>>	-73.8	9780.8	0.00	4.30	0.15	0.49	0.003
	185	56764.17	-4638.22<<	-517.4	9049.5	0.00	30.21	1.07	4.58	0.068
	185	56763.06	-2062.04	3.0>>	9133.6	0.00	0.17	0.01	2.04	0.016
	185	56353.38	-3766.07	-572.6<<	9814.3	0.00	33.35	1.18	3.72	0.055

PONDERACION DE ESFUERZOS

SANT BOI ELU(t=1):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	1	32167.18	3627.67>>	406.9	7600.0	0.00	19.99	1.00	3.58	0.042
	1	46774.43	-532.49<<	40.5	6632.2	0.00	2.22	0.09	0.53	0.002
	1	41556.19	2917.07	503.7>>	6709.0	0.00	26.62	1.15	2.88	0.037
	1	37230.68	874.50	-145.2<<	7459.5	0.00	7.43	0.34	0.86	0.006
	2	32188.05	3342.82>>	406.9	11590.3	0.00	20.00	1.00	3.30	0.038
	2	46753.56	-803.40<<	40.5	5881.7	0.00	2.22	0.09	0.79	0.004
	2	41535.32	2644.51	500.2>>	9924.5	0.00	26.43	1.14	2.61	0.034
	2	37251.55	589.65	-145.2<<	8283.6	0.00	7.43	0.34	0.58	0.004

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	2	32336.83	3505.95>>	406.9	11593.3	0.00	20.02	1.00	3.46	0.040
	2	46902.34	-640.27<<	40.5	5884.7	0.00	2.22	0.09	0.63	0.003
	2	41684.10	2807.63	500.2>>	9927.5	0.00	26.46	1.14	2.77	0.036
	2	37400.33	752.78	-145.2<<	8286.6	0.00	7.44	0.34	0.74	0.005
	3	32357.70	3221.10>>	406.9	15443.7	0.00	20.03	1.00	3.18	0.036
	3	46881.46	-911.18<<	40.5	5010.2	0.00	2.22	0.09	0.90	0.005
	3	41663.22	2535.07	496.7>>	13017.2	0.00	26.28	1.13	2.50	0.032
	3	37421.20	467.93	-145.2<<	8970.8	0.00	7.44	0.34	0.46	0.003

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	3	46954.76	4356.90>>	462.9	14298.6	0.00	25.41	1.02	4.30	0.058
	3	32889.37	287.12<<	40.3	5829.1	0.00	1.99	0.10	0.28	0.001
	3	42049.43	3585.40	545.1>>	12801.4	0.00	28.92	1.24	3.54	0.048
	3	37726.79	1484.93	-391.4<<	8703.2	0.00	20.11	0.92	1.47	0.017
	4	46943.00	4071.38>>	462.9	19164.9	2.92	49.50	1.84	14.34	0.288
	4	32918.91	16.88<<	40.3	5986.2	0.00	3.84	0.18	0.06	0.004
	4	42037.28	3312.17	541.7>>	16787.1	0.86	55.79	2.24	11.66	0.258
	4	37756.78	1200.75	-391.4<<	10230.4	0.00	38.93	1.68	4.23	0.112

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	4	47099.78	4295.76>>	462.9	19125.8	3.80	49.55	1.84	15.13	0.302
	4	33075.69	241.26<<	40.3	5947.0	0.00	3.84	0.18	0.85	0.009
	4	42194.05	3536.55	541.7>>	16747.9	1.77	55.86	2.24	12.45	0.271
	4	37913.55	1425.12	-391.4<<	10191.3	0.00	38.98	1.67	5.02	0.122
	5	47086.08	4070.87>>	462.9	23956.6	2.88	49.55	1.84	14.33	0.288
	5	33103.29	31.66<<	40.3	6086.2	0.00	3.84	0.18	0.11	0.004
	5	42203.13	3316.93	538.4>>	20654.9	0.84	55.53	2.22	11.68	0.257
	5	37941.60	1201.57	-391.4<<	11684.6	0.00	38.99	1.67	4.23	0.112

SANT BOI ELU(t=1):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	5	32969.25	2285.97>>	403.4	23332.5	0.00	38.46	1.80	8.05	0.161
	5	47333.56	-993.75<<	44.1	6079.7	0.00	4.73	0.18	3.50	0.038
	5	42203.26	1638.02	489.2>>	20195.8	0.00	50.46	2.02	5.77	0.158
	5	37989.08	-146.50	-529.0<<	11377.6	0.00	52.72	2.26	0.52	0.108
	6	32990.12	2061.76>>	403.4	25815.0	0.00	38.47	1.80	7.26	0.150
	6	47312.69	-1204.02<<	44.1	4833.8	0.00	4.73	0.18	4.24	0.047
	6	42182.39	1426.10	485.7>>	21975.5	0.00	50.09	2.01	5.02	0.147
	6	38009.96	-370.71	-529.0<<	11062.7	0.00	52.73	2.26	1.31	0.115

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	6	33147.34	2289.88>>	403.4	25747.5	0.00	38.52	1.80	8.06	0.161
	6	47469.91	-975.90<<	44.1	4766.3	0.00	4.73	0.17	3.44	0.037
	6	42339.61	1654.21	485.7>>	21908.0	0.00	50.15	2.00	5.83	0.158
	6	38167.18	-142.59	-529.0<<	10995.2	0.00	52.80	2.26	0.50	0.108
	7	33168.21	2065.66>>	403.4	28234.1	0.00	38.53	1.80	7.27	0.151
	7	47449.04	-1186.17<<	44.1	3540.8	0.00	4.73	0.17	4.18	0.046
	7	42334.96	1437.34	483.0>>	23631.6	0.00	49.86	1.99	5.06	0.147
	7	38188.05	-366.81	-529.0<<	10684.6	0.00	52.81	2.26	1.29	0.114

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	7	33280.01	1755.87>>	337.1	27534.4	0.00	32.23	1.50	6.18	0.121
	7	47586.90	-1085.94<<	49.8	3412.2	0.00	5.35	0.20	3.82	0.043
	7	42502.72	392.53	456.0>>	15128.4	0.00	47.15	1.88	1.38	0.099
	7	38254.63	357.96	-544.8<<	18305.9	0.00	54.42	2.32	1.26	0.118
	8	33300.88	1531.65>>	337.1	29407.2	0.00	32.24	1.50	5.39	0.111
	8	47566.02	-1296.21<<	49.8	2060.2	0.00	5.35	0.20	4.56	0.052
	8	42481.85	180.60	452.6>>	15475.8	0.00	46.78	1.86	0.64	0.092
	8	38275.50	133.74	-544.8<<	18571.1	0.00	54.43	2.32	0.47	0.112

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	8	33450.17	1766.14>>	337.1	29318.5	0.00	32.28	1.50	6.22	0.122
	8	47715.31	-1061.73<<	49.8	1971.5	0.00	5.36	0.20	3.74	0.042
	8	42631.14	415.09	452.6>>	15387.1	0.00	46.83	1.86	1.46	0.099
	8	38424.79	368.23	-544.8<<	18482.4	0.00	54.50	2.32	1.30	0.119
	9	33471.04	1541.92>>	337.1	31203.0	0.00	32.29	1.50	5.43	0.112
	9	47694.44	-1272.00<<	49.8	647.3	0.00	5.36	0.20	4.48	0.051
	9	42621.24	200.90	450.3>>	15674.6	0.00	46.59	1.85	0.71	0.092
	9	38441.18	140.16	-545.0<<	18723.8	0.00	54.52	2.32	0.49	0.112

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	9	33646.48	1244.38>>	286.6	30352.5	0.00	27.50	1.27	4.38	0.089
	9	47820.38	-1181.43<<	-208.0	3133.4	0.00	22.38	0.82	4.16	0.075
	9	47751.25	-89.77	438.0>>	13529.4	0.00	47.11	1.73	0.32	0.089
	9	33669.33	170.56	-507.6<<	21788.9	0.00	48.70	2.25	0.60	0.101
	10	33667.36	1020.16>>	286.6	31636.9	0.00	27.50	1.27	3.59	0.080
	10	47799.51	-1391.70<<	-208.0	1671.5	0.00	22.38	0.82	4.90	0.085
	10	47730.38	-301.70	434.5>>	13322.0	0.00	46.73	1.72	1.06	0.094
	10	33690.20	-53.66	-507.6<<	21838.4	0.00	48.71	2.25	0.19	0.099

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	10	33809.08	1262.95>>	286.6	31537.8	0.00	27.54	1.27	4.45	0.089
	10	47941.23	-1148.92<<	-208.0	1572.4	0.00	22.40	0.82	4.05	0.074
	10	47872.10	-58.91	434.5>>	13222.9	0.00	46.77	1.72	0.21	0.087
	10	33831.92	189.13	-507.6<<	21739.3	0.00	48.77	2.25	0.67	0.102
	11	33829.95	1038.73>>	286.6	32843.7	0.00	27.54	1.27	3.66	0.080
	11	47913.36	-1359.61<<	-209.6	238.7	0.00	22.57	0.83	4.79	0.084
	11	47858.23	-270.42	432.6>>	12960.4	0.00	46.56	1.71	0.95	0.092
	11	33854.43	-37.68	-508.2<<	21771.3	0.00	48.85	2.25	0.13	0.099

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	11	34004.70	752.13>>	236.3	31602.3	0.00	27.75	1.05	2.65	0.059
	11	48056.79	-1303.85<<	-315.5	2372.0	0.00	34.01	1.25	4.59	0.104
	11	48072.85	-534.77	449.4>>	6306.4	0.00	48.45	1.78	1.88	0.105
	11	33986.00	-16.87	-522.0<<	28512.7	0.00	50.23	2.31	0.06	0.102
	12	34034.97	528.01>>	237.1	32190.2	0.00	22.82	1.05	1.86	0.051
	12	48031.48	-1515.57<<	-313.8	861.3	0.00	33.82	1.24	5.34	0.114
	12	34006.87	-241.09	-522.0<<	28346.6	0.00	50.24	2.31	0.85	0.107

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	12	34124.37	776.77>>	237.1	32141.3	0.00	22.84	1.05	2.74	0.060
	12	48120.88	-1266.82<<	-313.8	812.4	0.00	33.85	1.24	4.46	0.102
	12	48141.38	-497.95	446.0>>	5538.2	0.00	48.10	1.76	1.75	0.103
	12	34096.27	7.66	-522.0<<	28297.7	0.00	50.28	2.31	0.03	0.102
	13	34145.24	554.21>>	237.1	32889.2	0.00	22.85	1.05	1.95	0.052
	13	48100.01	-1478.74<<	-317.3	-748.4	0.00	34.22	1.25	5.21	0.113
	13	48124.94	-706.77	444.3>>	4772.1	0.00	47.92	1.75	2.49	0.111
	13	34122.10	-217.90	-523.0<<	28120.5	0.00	50.39	2.31	0.77	0.106

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	13	34134.40	278.60>>	197.6	31980.6	0.00	19.04	0.87	0.98	0.036
	13	48091.83	-1429.96<<	-277.4	288.9	0.00	29.91	1.10	5.04	0.102
	13	48095.48	-652.83	469.7>>	4145.7	0.00	50.65	1.86	2.30	0.115
	13	34123.99	-501.76	-549.2<<	29004.3	0.00	52.92	2.43	1.77	0.121
	14	34155.27	56.04>>	197.6	32155.3	0.00	19.04	0.87	0.20	0.031
	14	48070.96	-1641.89<<	-280.9	-1459.8	0.00	30.28	1.11	5.78	0.112
	14	48074.61	-864.76	466.3>>	3290.8	0.00	50.27	1.84	3.05	0.122
	14	34144.86	-725.98	-549.2<<	28280.7	0.00	52.93	2.43	2.56	0.129

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	14	34121.87	297.73>>	197.6	32268.4	0.00	19.04	0.87	1.05	0.037
	14	48037.56	-1400.19<<	-280.9	-1346.7	0.00	30.27	1.11	4.93	0.101
	14	48041.21	-623.06	466.3>>	3403.9	0.00	50.26	1.84	2.19	0.113
	14	34111.47	-484.28	-549.2<<	28393.8	0.00	52.91	2.43	1.71	0.121
	15	34141.73	85.48>>	203.3	31278.0	0.00	19.59	0.90	0.30	0.032
	15	48017.71	-1622.42<<	-290.0	-1874.6	0.00	31.26	1.15	5.71	0.113
	15	48023.81	-829.20	464.8>>	2500.7	0.00	50.09	1.84	2.92	0.120
	15	34137.57	-708.61	-550.7<<	27652.4	0.00	53.07	2.43	2.50	0.129

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	15	34179.28	28.16>>	316.4	13618.5	0.00	30.50	1.40	0.10	0.054
	15	47931.34	-1825.87<<	-406.2	15723.2	0.00	43.74	1.61	6.43	0.151
	15	39107.29	-779.21	499.4>>	1776.5	0.00	50.23	2.11	2.74	0.122
	15	43001.69	-1025.48	-583.0<<	28398.0	0.00	60.51	2.39	3.61	0.156
	16	34200.15	-182.11>>	316.4	13512.3	0.00	30.50	1.40	0.64	0.058
	16	47910.47	-2050.09<<	-406.2	13512.1	0.00	43.74	1.61	7.22	0.162
	16	42980.81	-1249.70	-583.0<<	27107.3	0.00	60.50	2.39	4.40	0.165

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	16	36136.43	46.15>>	316.4	16805.1	0.00	31.03	1.37	0.16	0.055
	16	49846.74	-1821.82<<	-406.2	16804.9	0.00	44.34	1.58	6.42	0.152
	16	41064.43	-762.88	495.9>>	4033.6	0.00	50.69	2.07	2.69	0.122
	16	44917.09	-1021.44	-583.0<<	30400.2	0.00	61.40	2.36	3.60	0.157
	17	36157.30	-164.12>>	316.4	16719.8	0.00	31.04	1.37	0.58	0.058
	17	49825.87	-2046.04<<	-406.2	14598.8	0.00	44.34	1.58	7.20	0.163
	17	41089.53	-966.35	494.6>>	2948.4	0.00	50.56	2.06	3.40	0.129
	17	44898.35	-1244.55	-584.8<<	29081.7	0.00	61.59	2.36	4.38	0.167

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	17	36111.36	-123.05>>	309.9	15829.3	0.00	30.39	1.35	0.43	0.055
	17	49820.43	-2348.30<<	-393.6	15224.4	0.00	42.96	1.54	8.27	0.176
	17	41038.84	-933.08	544.6>>	2193.9	0.00	55.65	2.27	3.29	0.141
	17	44889.72	-1549.07	-621.2<<	29669.8	0.00	65.41	2.51	5.45	0.191
	18	36132.23	-333.32>>	309.9	15549.3	0.00	30.40	1.35	1.17	0.061
	18	49799.55	-2572.52<<	-393.6	12412.7	0.00	42.96	1.54	9.06	0.188
	18	41059.71	-1145.00	541.1>>	981.4	0.00	55.30	2.25	4.03	0.148
	18	44868.85	-1773.28	-621.2<<	27777.3	0.00	65.40	2.51	6.24	0.201

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	18	36092.70	-108.39>>	309.9	15670.0	0.00	30.39	1.35	0.38	0.055
	18	49760.02	-2347.58<<	-393.6	12533.4	0.00	42.94	1.54	8.27	0.176
	18	41020.18	-920.07	541.1>>	1102.2	0.00	55.29	2.25	3.24	0.139
	18	44829.32	-1548.35	-621.2<<	27898.0	0.00	65.38	2.51	5.45	0.191
	19	36113.58	-318.66>>	309.9	15406.9	0.00	30.40	1.35	1.12	0.061
	19	49739.15	-2571.80<<	-393.6	9722.5	0.00	42.94	1.54	9.06	0.188
	19	41047.85	-1120.68	539.8>>	-144.4	0.00	55.17	2.25	3.95	0.147
	19	44803.85	-1770.22	-623.3<<	25981.1	0.00	65.60	2.52	6.23	0.202

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	19	36063.30	-278.29>>	303.9	14480.6	0.00	29.79	1.32	0.98	0.058
	19	49735.62	-2875.84<<	-371.1	10240.3	0.00	40.48	1.45	10.13	0.199
	19	40990.30	-1149.09	609.2>>	76.9	0.00	62.23	2.54	4.05	0.166
	19	44798.04	-2005.69	-669.9<<	25340.9	0.00	70.50	2.71	7.06	0.226
	20	36084.17	-488.56>>	303.9	14022.0	0.00	29.79	1.32	1.72	0.065
	20	49714.75	-3100.06<<	-371.1	6821.9	0.00	40.47	1.45	10.92	0.212
	20	41011.17	-1373.31	605.7>>	-1391.1	0.00	61.88	2.52	4.84	0.175
	20	44777.17	-2215.97	-669.9<<	22931.2	0.00	70.48	2.71	7.80	0.237

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	20	36068.08	-266.04>>	303.9	14088.6	0.00	29.79	1.32	0.94	0.058
	20	49698.66	-2877.54<<	-371.1	6888.5	0.00	40.47	1.45	10.13	0.199
	20	40995.08	-1150.79	605.7>>	-1324.5	0.00	61.88	2.52	4.05	0.165
	20	44761.08	-1993.45	-669.9<<	22997.8	0.00	70.48	2.71	7.02	0.225
	21	36088.95	-476.31>>	303.9	13644.2	0.00	29.80	1.32	1.68	0.064
	21	49677.79	-3101.76<<	-371.1	3468.2	0.00	40.46	1.45	10.92	0.212
	21	41031.05	-1378.61	604.7>>	-2779.8	0.00	61.79	2.52	4.85	0.175
	21	44728.99	-2217.48	-672.2<<	20625.5	0.00	70.69	2.72	7.81	0.237

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	21	36059.42	-428.92>>	302.7	12630.9	0.00	29.67	1.31	1.51	0.062
	21	49700.97	-3399.03<<	-341.7	3813.4	0.00	37.26	1.33	11.97	0.222
	21	40985.79	-1272.26	703.0>>	-2805.1	0.00	71.81	2.93	4.48	0.197
	21	44748.15	-2550.46	-739.0<<	19771.9	0.00	77.74	2.99	8.98	0.273
	22	36080.29	-639.19>>	302.7	11998.8	0.00	29.67	1.31	2.25	0.070
	22	49680.10	-3623.25<<	-341.7	-206.9	0.52	37.26	1.33	12.76	0.235
	22	41006.67	-1496.47	699.5>>	-4415.0	0.00	71.46	2.92	5.27	0.206
	22	44727.27	-2760.73	-739.0<<	16735.4	0.00	77.72	2.99	9.72	0.284

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	22	36056.87	-416.00>>	302.7	12025.2	0.00	29.67	1.31	1.46	0.062
	22	49656.67	-3400.06<<	-341.7	-180.5	0.00	37.25	1.33	11.97	0.222
	22	40983.24	-1273.28	699.5>>	-4388.6	0.00	71.45	2.92	4.48	0.196
	22	44703.85	-2537.53	-739.0<<	16761.8	0.00	77.71	2.99	8.94	0.272
	23	36077.74	-626.27>>	302.7	11408.2	0.00	29.67	1.31	2.21	0.069
	23	49635.80	-3624.27<<	-341.7	-4201.9	0.53	37.25	1.33	12.76	0.235
	23	41033.18	-1502.38	698.8>>	-5998.5	0.00	71.40	2.91	5.29	0.206
	23	44665.63	-2764.18	-741.2<<	13731.9	0.00	77.91	3.00	9.73	0.285

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	23	36065.16	-572.22>>	206.2	10283.8	0.00	20.21	0.90	2.01	0.047
	23	49625.06	-3919.03<<	-309.5	-3937.8	1.71	33.74	1.21	13.80	0.245
	23	40940.71	-1449.67	847.3>>	-6915.8	0.00	86.51	3.53	5.10	0.245
	23	44672.30	-3039.95	-842.5<<	13922.4	0.00	88.57	3.41	10.70	0.329
	24	36086.03	-782.49>>	206.2	9487.1	0.00	20.21	0.90	2.76	0.055
	24	49604.19	-4143.25<<	-309.5	-8556.0	2.61	33.73	1.21	14.59	0.259
	24	40961.58	-1673.89	843.8>>	-8729.5	0.00	86.17	3.52	5.89	0.255
	24	44651.43	-3250.22	-842.5<<	10323.2	0.04	88.55	3.41	11.45	0.341

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	24	36059.30	-562.43>>	206.2	9504.6	0.00	20.21	0.90	1.98	0.047
	24	49577.45	-3923.19<<	-309.5	-8538.5	1.74	33.73	1.21	13.81	0.245
	24	40934.85	-1453.82	843.8>>	-8712.0	0.00	86.16	3.52	5.12	0.244
	24	44624.70	-3030.16	-842.5<<	10340.7	0.00	88.54	3.41	10.67	0.329
	25	36080.17	-772.70>>	206.2	8719.3	0.00	20.21	0.90	2.72	0.055
	25	49556.58	-4147.41<<	-309.5	-13161.3	2.64	33.72	1.21	14.60	0.259
	25	41000.84	-1684.26	843.2>>	-10545.9	0.00	86.14	3.51	5.93	0.255
	25	44579.20	-3259.38	-844.5<<	8706.9	0.09	88.72	3.42	11.48	0.342

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	25	35992.34	-706.82>>	12.1	8236.8	0.00	1.19	0.05	2.49	0.021
	25	49392.42	-4447.81<<	-286.7	-12906.3	3.88	31.20	1.12	15.66	0.272
	25	49312.76	-1798.16	1093.1>>	-16073.6	0.00	118.89	4.28	6.33	0.349
	25	35920.78	-3371.61	-1014.9<<	11083.4	2.54	99.36	4.41	11.87	0.383
	26	36013.22	-917.09>>	12.1	7285.2	0.00	1.19	0.05	3.23	0.029
	26	49371.55	-4672.03<<	-286.7	-18132.7	4.79	31.19	1.12	16.45	0.286
	26	49291.89	-2022.38	1089.6>>	-18252.9	0.00	118.50	4.27	7.12	0.359
	26	35941.65	-3581.88	-1014.9<<	7067.3	3.47	99.38	4.41	12.61	0.394

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	26	35907.14	-713.52>>	12.1	7299.7	0.00	1.19	0.05	2.51	0.021
	26	49265.48	-4468.47<<	-286.7	-18118.2	3.99	31.17	1.12	15.73	0.273
	26	49185.81	-1818.82	1089.6>>	-18238.4	0.00	118.41	4.27	6.40	0.348
	26	35835.58	-3378.37	-1014.9<<	7081.8	2.59	99.29	4.42	11.90	0.383
	27	35928.01	-923.79>>	12.1	6340.8	0.00	1.19	0.05	3.25	0.029
	27	49244.60	-4692.69<<	-286.7	-23367.9	4.90	31.16	1.12	16.52	0.287
	27	49224.85	-2050.61	1089.2>>	-20476.2	0.00	118.39	4.27	7.22	0.360
	27	35824.79	-3610.12	-1016.8<<	2968.9	3.62	99.46	4.43	12.71	0.396

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	27	35690.94	-1999.16>>	31.9	6252.9	0.00	3.12	0.14	7.04	0.078
	27	48646.48	-6571.11<<	-303.5	-23150.9	12.61	32.86	1.19	23.14	0.415
	27	48774.28	-3513.82	1523.4>>	-20235.8	0.26	165.06	5.99	12.37	0.585
	27	35346.40	-5085.26	-1339.4<<	2213.4	10.35	130.47	5.86	17.91	0.579
	28	35705.08	-2210.10>>	31.9	3813.5	0.00	3.12	0.14	7.78	0.088
	28	48618.43	-6794.66<<	-303.5	-30822.6	13.52	32.85	1.19	23.93	0.430
	28	35360.55	-5296.20	-1339.4<<	-3776.8	11.29	130.49	5.85	18.65	0.592

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	28	45006.79	-1760.69>>	31.9	8834.2	0.00	3.36	0.13	6.20	0.070
	28	57920.13	-6345.25<<	-303.5	-25801.8	9.23	34.97	1.12	22.34	0.417
	28	58115.18	-3298.98	1520.0>>	-19419.2	0.00	175.33	5.61	11.62	0.597
	28	44662.25	-4846.79	-1339.4<<	1243.9	6.66	140.80	5.43	17.07	0.592
	29	45018.99	-2032.26>>	31.9	6634.5	0.00	1.73	0.07	2.01	0.015
	29	57890.15	-6629.43<<	-303.5	-33248.4	0.00	17.84	0.62	6.54	0.098
	29	58085.19	-3583.17	1520.0>>	-23360.7	0.00	89.43	3.11	3.54	0.109
	29	44637.85	-5141.37	-1341.2<<	-4643.2	0.00	72.46	2.99	5.08	0.516

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	29	45099.91	-1699.05>>	54.9	6579.8	0.00	2.97	0.12	1.68	0.012
	29	58291.77	-6277.45<<	-324.3	-33047.0	0.00	19.11	0.66	6.20	0.092
	29	58282.38	-2856.12	1969.2>>	-24023.7	0.00	116.00	4.02	2.82	0.134
	29	44967.12	-5162.76	-1650.3<<	-4443.6	0.00	89.36	3.67	5.10	0.137
	30	45120.78	-1969.95>>	54.9	4452.5	0.00	2.97	0.12	1.94	0.014
	30	58270.90	-6562.30<<	-324.3	-40412.2	0.00	19.10	0.66	6.48	0.098
	30	58261.51	-3140.97	1965.8>>	-27454.3	0.00	115.78	4.02	3.10	0.138
	30	44987.98	-5433.66	-1650.3<<	-10554.2	0.00	89.37	3.67	5.36	0.142

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	30	45048.62	-3773.15>>	54.9	4419.1	0.00	2.97	0.12	3.72	0.037
	30	58198.74	-8365.50<<	-324.3	-40445.6	5.88	19.10	0.66	8.26	0.138
	30	58189.36	-4944.16	1965.8>>	-27487.7	0.00	115.73	4.02	4.88	0.167
	30	44915.84	-7236.86	-1650.3<<	-10587.6	6.26	89.33	3.67	7.14	0.177
	31	45069.50	-4044.05>>	54.9	-93.6	0.00	2.97	0.12	3.99	0.042
	31	58177.87	-8650.35<<	-324.3	-50212.1	7.06	19.09	0.66	8.54	0.145
	31	58230.46	-5239.31	1964.2>>	-33408.7	0.00	115.67	4.01	5.17	0.172
	31	44904.85	-7534.48	-1650.8<<	-19275.4	7.60	89.35	3.67	7.44	0.183

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	31	45527.23	9968.99>>	826.4	-50113.0	18.27	44.92	1.83	9.84	0.188
	31	57764.50	4342.59<<	1.7	-754.2	0.00	0.10	0.00	4.29	0.048
	31	53737.47	8888.82	1929.0>>	-33747.6	9.83	110.58	4.05	8.78	0.243
	31	49449.08	5567.17	-1629.7<<	-19240.3	0.00	90.92	3.52	5.50	0.146
	32	45548.11	9684.14>>	826.4	-38830.3	16.98	44.92	1.83	9.56	0.182
	32	57743.63	4071.69<<	1.7	4101.5	0.00	0.10	0.00	4.02	0.044
	32	53469.95	5283.97	-1629.7<<	-13018.7	0.00	90.94	3.52	5.22	0.141

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	32	45535.64	8760.60>>	826.4	-38837.6	12.84	44.92	1.83	8.65	0.160
	32	57731.16	3148.15<<	1.7	4094.2	0.00	0.10	0.00	3.11	0.030
	32	53704.14	7692.73	1925.5>>	-23672.1	4.75	110.36	4.04	7.59	0.215
	32	49457.49	4360.44	-1629.7<<	-13026.1	0.00	90.93	3.52	4.30	0.125
	33	45556.51	8475.75>>	826.4	-28944.4	11.55	44.93	1.83	8.37	0.153
	33	57710.29	2877.25<<	1.7	7576.4	0.00	0.10	0.00	2.84	0.026
	33	53722.67	7433.09	1923.6>>	-15026.4	3.64	110.26	4.04	7.34	0.210
	33	49458.41	4099.70	-1630.0<<	-8326.4	0.00	90.95	3.52	4.05	0.121

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	33	57773.20	8751.03>>	675.4	-29303.5	7.64	39.67	1.38	8.64	0.161
	33	45676.08	3345.19<<	2.7	7210.2	0.00	0.15	0.01	3.30	0.031
	33	45591.91	7442.77	1499.9>>	-15205.2	6.90	81.56	3.32	7.35	0.171
	33	57830.90	4779.23	-1249.5<<	-8077.5	0.00	73.41	2.56	4.72	0.110
	34	57761.44	8465.51>>	675.4	-19380.9	17.31	77.74	2.50	29.81	0.675
	34	45705.62	3074.95<<	2.7	10886.3	0.00	0.29	0.01	10.83	0.136
	34	45621.50	7170.68	1496.5>>	-6895.5	15.99	158.45	6.02	25.25	0.802
	34	57819.09	4495.37	-1249.5<<	-2723.9	2.24	143.86	4.62	15.83	0.576

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	34	48267.04	7726.02>>	675.4	-24508.8	17.38	72.92	2.66	27.20	0.591
	34	36211.21	2333.46<<	2.7	5758.3	0.00	0.27	0.01	8.22	0.092
	34	36127.10	6429.39	1496.5>>	-12023.4	16.09	146.77	6.50	22.64	0.717
	34	48324.68	3753.88	-1249.5<<	-7851.8	1.32	134.95	4.93	13.22	0.505
	35	48253.34	7499.14>>	675.4	-15733.3	16.48	72.91	2.66	26.41	0.575
	35	36238.82	2123.86<<	2.7	8305.0	0.00	0.27	0.01	7.48	0.082
	35	36154.75	6218.13	1493.0>>	-4765.0	15.14	146.46	6.48	21.90	0.702
	35	48310.93	3530.65	-1249.5<<	-3643.3	0.43	134.93	4.93	12.43	0.492

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	35	36230.07	5644.07>>	538.0	-17686.5	12.56	52.81	2.33	19.87	0.386
	35	48304.58	895.26<<	2.8	9425.4	0.00	0.30	0.01	3.15	0.029
	35	36196.41	4666.39	1092.7>>	-5581.5	8.22	107.23	4.74	16.43	0.480
	35	48283.04	2015.38	-880.7<<	-3086.8	0.00	95.09	3.47	7.10	0.292
	36	36250.94	5419.85>>	538.0	-11342.4	11.56	52.82	2.33	19.09	0.372
	36	48283.71	684.99<<	2.8	10351.8	0.00	0.30	0.01	2.41	0.021
	36	36217.29	4454.47	1089.2>>	-354.7	7.28	106.91	4.73	15.69	0.467
	36	48262.17	1791.17	-880.7<<	-860.3	0.00	95.07	3.47	6.31	0.281

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	36	33862.54	5573.43>>	538.0	-14733.3	13.05	51.71	2.38	19.63	0.377
	36	45895.31	838.57<<	2.8	6960.8	0.00	0.30	0.01	2.95	0.027
	36	33828.88	4608.05	1089.2>>	-3745.6	8.67	104.66	4.83	16.23	0.470
	36	45873.77	1944.75	-880.7<<	-4251.2	0.00	93.42	3.54	6.85	0.285
	37	33883.41	5349.21>>	538.0	-8470.5	12.02	51.72	2.38	18.84	0.363
	37	45874.43	628.30<<	2.8	7821.9	0.00	0.30	0.01	2.21	0.019
	37	33845.44	4379.16	1086.0>>	1452.5	7.63	104.37	4.81	15.42	0.456
	37	45862.15	1710.21	-880.7<<	-2110.2	0.00	93.42	3.54	6.02	0.273

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	37	33819.02	4987.97>>	439.3	-9271.7	10.40	42.21	1.95	17.56	0.318
	37	45864.84	658.62<<	0.5	7760.7	0.00	0.05	0.00	2.32	0.020
	37	33823.81	4047.26	834.5>>	640.9	6.13	80.19	3.70	14.25	0.365
	37	45802.62	1724.96	-689.3<<	-1143.4	0.00	73.08	2.77	6.07	0.219
	38	33839.89	4763.75>>	439.3	-3682.1	9.38	42.22	1.95	16.77	0.305
	38	45843.97	448.35<<	0.5	8415.0	0.00	0.05	0.00	1.58	0.012
	38	33844.68	3835.33	831.0>>	5155.8	5.16	79.87	3.68	13.51	0.352
	38	45781.75	1500.75	-689.3<<	729.2	0.00	73.07	2.77	5.28	0.208

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	38	33863.19	4930.90>>	439.3	-3687.0	10.13	42.23	1.95	17.36	0.314
	38	45867.27	615.49<<	0.5	8410.1	0.00	0.05	0.00	2.17	0.018
	38	33867.99	4002.48	831.0>>	5150.8	5.91	79.89	3.68	14.09	0.361
	38	45805.05	1667.89	-689.3<<	724.2	0.00	73.08	2.77	5.87	0.216
	39	33884.06	4706.68>>	439.3	1837.1	9.10	42.23	1.95	16.57	0.301
	39	45846.40	405.22<<	0.5	9014.9	0.00	0.05	0.00	1.43	0.011
	39	33876.18	3776.28	828.2>>	9614.1	4.88	79.82	3.67	13.30	0.348
	39	45810.73	1434.73	-689.4<<	2529.2	0.00	73.10	2.77	5.05	0.205

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	39	33911.94	4346.20>>	368.3	1035.4	7.46	35.41	1.63	15.30	0.264
	39	45858.29	436.28<<	-0.6	8950.0	0.00	0.06	0.00	1.54	0.012
	39	33927.46	3440.60	658.2>>	8852.9	3.35	63.30	2.91	12.12	0.284
	39	45813.97	1435.93	-598.7<<	3384.2	0.00	63.49	2.40	5.06	0.180
	40	33937.81	4346.20>>	368.3	1035.4	7.46	35.41	1.63	15.30	0.264
	40	45837.42	226.01<<	-0.6	9348.4	0.00	0.06	0.00	0.80	0.005
	40	33948.33	3228.67	654.7>>	12669.9	2.38	62.98	2.90	11.37	0.272
	40	45793.09	1211.71	-598.7<<	4924.2	0.00	63.48	2.40	4.27	0.170

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	40	33953.02	4291.17>>	368.3	5876.3	7.20	35.43	1.63	15.11	0.261
	40	45857.63	395.20<<	-0.6	9337.9	0.00	0.06	0.00	1.39	0.010
	40	33968.54	3397.86	654.7>>	12659.4	3.14	62.99	2.90	11.96	0.281
	40	45813.30	1380.90	-598.7<<	4913.7	0.00	63.49	2.40	4.86	0.178
	41	33973.89	4066.95>>	368.3	10664.5	6.18	35.43	1.63	14.32	0.248
	41	45836.75	184.93<<	-0.6	9689.0	0.00	0.06	0.00	0.65	0.004
	41	33969.86	3174.36	652.2>>	16394.4	2.13	62.75	2.89	11.18	0.268
	41	45832.63	1149.06	-599.0<<	6373.5	0.00	63.53	2.41	4.05	0.168

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	41	34022.58	3707.78>>	312.7	9839.4	4.53	30.10	1.38	13.06	0.216
	41	45852.35	218.48<<	0.7	9621.4	0.00	0.07	0.00	0.77	0.005
	41	34096.30	1768.73	532.4>>	7957.0	0.00	51.28	2.35	6.23	0.168
	41	45777.21	2211.16	-551.7<<	14834.8	0.00	58.49	2.22	7.79	0.205
	42	34043.45	3483.56>>	312.7	13956.4	3.51	30.11	1.38	12.27	0.204
	42	45831.48	8.21<<	0.7	9769.2	0.00	0.07	0.00	0.03	0.000
	42	34117.18	1556.81	528.9>>	9851.3	0.00	50.96	2.34	5.48	0.158
	42	45756.33	1986.95	-551.7<<	17266.1	0.00	58.48	2.22	7.00	0.194

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	42	34060.32	3653.32>>	312.7	13943.2	4.28	30.11	1.38	12.86	0.213
	42	45848.34	177.96<<	0.7	9756.0	0.00	0.07	0.00	0.63	0.004
	42	34134.04	1726.56	528.9>>	9838.1	0.00	50.96	2.34	6.08	0.165
	42	45773.20	2156.70	-551.7<<	17252.9	0.00	58.48	2.22	7.59	0.203
	43	34081.19	3429.10>>	312.7	17998.0	3.26	30.12	1.38	12.07	0.201
	43	45827.47	-32.31<<	0.7	9857.5	0.00	0.07	0.00	0.11	0.000
	43	34129.86	1505.77	526.7>>	11624.8	0.00	50.75	2.33	5.30	0.155
	43	45803.29	1926.14	-552.2<<	19593.0	0.00	58.55	2.22	6.78	0.191

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	43	34121.30	3070.71>>	267.8	17119.1	1.62	25.81	1.18	10.81	0.172
	43	45829.67	-16.39<<	-234.1	12286.4	0.00	24.82	0.94	0.06	0.039
	43	34186.88	1385.39	471.5>>	10980.7	0.00	45.45	2.08	4.88	0.136
	43	45788.94	1696.16	-550.5<<	20279.0	0.00	58.36	2.21	5.97	0.180
	44	34142.17	2846.50>>	267.8	20503.7	0.60	25.81	1.18	10.02	0.160
	44	45808.80	-226.66<<	-234.1	12164.2	0.00	24.82	0.94	0.80	0.044
	44	34207.75	1173.47	468.0>>	12434.2	0.00	45.13	2.07	4.13	0.127
	44	45768.07	1471.94	-550.5<<	22118.2	0.00	58.36	2.21	5.18	0.169

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	44	34155.71	3017.23>>	267.8	20490.2	1.37	25.81	1.18	10.62	0.169
	44	45822.34	-55.93<<	-234.1	12150.7	0.00	24.82	0.94	0.20	0.040
	44	34221.29	1344.20	468.0>>	12420.8	0.00	45.13	2.07	4.73	0.134
	44	45781.61	1642.68	-550.5<<	22104.8	0.00	58.36	2.21	5.78	0.177
	45	34176.59	2793.01>>	267.8	23813.4	0.35	25.82	1.18	9.84	0.158
	45	45801.47	-266.20<<	-234.1	11983.1	0.00	24.82	0.94	0.94	0.045
	45	34213.04	1126.12	466.1>>	13747.6	0.00	44.95	2.06	3.97	0.124
	45	45819.63	1413.35	-551.3<<	23844.4	0.00	58.46	2.21	4.98	0.167

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	45	34203.06	2437.81>>	233.7	22909.3	0.00	22.53	1.03	8.58	0.133
	45	45807.42	-263.12<<	-349.9	13818.2	0.00	37.10	1.41	0.93	0.071
	45	34260.59	1004.28	422.4>>	13059.8	0.00	40.74	1.86	3.54	0.109
	45	45782.95	1163.08	-541.4<<	24554.5	0.00	57.40	2.17	4.17	0.154
	46	34223.94	2213.59>>	233.7	25566.7	0.00	22.54	1.03	7.79	0.122
	46	45786.54	-473.39<<	-349.9	13412.8	0.00	37.09	1.41	1.67	0.078
	46	34281.46	792.35	418.9>>	14075.6	0.00	40.42	1.85	2.79	0.100
	46	45762.08	958.87	-541.4<<	25804.3	0.00	57.39	2.18	3.38	0.144

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	46	34234.02	2383.79>>	233.7	25555.0	0.00	22.54	1.03	8.39	0.130
	46	45796.63	-303.19<<	-349.9	13401.1	0.00	37.09	1.41	1.07	0.072
	46	34291.55	962.55	418.9>>	14063.9	0.00	40.42	1.85	3.39	0.107
	46	45772.17	1129.06	-541.4<<	25792.6	0.00	57.39	2.17	3.98	0.151
	47	34254.89	2159.57>>	233.7	28149.6	0.00	22.54	1.03	7.60	0.119
	47	45775.75	-513.46<<	-349.9	12949.1	0.00	37.09	1.41	1.81	0.079
	47	34280.79	747.18	417.3>>	14938.0	0.00	40.26	1.84	2.63	0.098
	47	45815.07	900.95	-542.4<<	26935.0	0.00	57.52	2.18	3.17	0.142

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	47	34271.48	1806.47>>	206.1	27198.6	0.00	19.88	0.91	6.36	0.097
	47	45778.89	-522.69<<	-347.2	13738.5	0.00	36.80	1.39	1.84	0.079
	47	34345.70	271.95	389.6>>	6347.1	0.00	37.61	1.72	0.96	0.076
	47	45738.08	1020.62	-533.2<<	35503.8	0.00	56.50	2.14	3.59	0.145
	48	34292.35	1582.25>>	206.1	29129.2	0.00	19.89	0.91	5.57	0.087
	48	45758.02	-732.97<<	-347.2	13034.0	0.00	36.80	1.39	2.58	0.087
	48	34317.21	796.40	-533.2<<	36566.1	0.00	56.49	2.14	2.80	0.135

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	48	34299.04	1753.60>>	206.1	29120.7	0.00	19.89	0.91	6.17	0.095
	48	45764.71	-561.62<<	-347.2	13025.5	0.00	36.80	1.39	1.98	0.080
	48	34373.26	231.37	386.1>>	6511.5	0.00	37.28	1.70	0.81	0.075
	48	45723.90	967.74	-533.2<<	36557.5	0.00	56.50	2.14	3.41	0.142
	49	34319.91	1529.38>>	206.1	30990.8	0.00	19.89	0.91	5.39	0.085
	49	45743.84	-771.89<<	-347.2	12276.5	0.00	36.79	1.39	2.72	0.088
	49	34361.64	18.72	384.7>>	6537.4	0.00	37.14	1.70	0.07	0.069
	49	45768.45	740.84	-534.4<<	37510.9	0.00	56.65	2.15	2.61	0.134

SANT BOI ELU(t-I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	49	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	49	34330.60	1179.13>>	183.5	29989.8	0.00	17.71	0.81	4.15	0.066
	49	45740.44	-781.91<<	-336.4	13037.1	0.00	35.65	1.35	2.75	0.086
	49	34371.95	-48.84	396.9>>	5203.2	0.00	38.32	1.75	0.17	0.073
	49	45731.52	450.99	-552.1<<	38753.0	0.00	58.50	2.22	1.59	0.128
	50	34351.47	954.91>>	183.5	31199.1	0.00	17.71	0.81	3.36	0.057
	50	45751.22	-982.51<<	-335.1	12138.0	0.00	35.52	1.35	3.49	0.094
	50	34392.82	-260.76	393.4>>	5007.3	0.00	37.99	1.73	0.92	0.077
	50	45710.65	226.77	-552.1<<	39160.2	0.00	58.49	2.22	0.80	0.121

BARRA	50	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	50	34354.70	1125.89>>	183.5	31194.6	0.00	17.71	0.81	3.96	0.063
	50	45754.45	-821.53<<	-335.1	12133.6	0.00	35.52	1.35	2.89	0.087
	50	34396.06	-89.79	393.4>>	5002.9	0.00	38.00	1.73	0.32	0.073
	50	45713.88	397.75	-552.1<<	39155.8	0.00	58.49	2.22	1.40	0.126
	51	34407.63	902.16>>	184.1	32191.1	0.00	17.79	0.81	3.18	0.055
	51	45733.58	-1033.46<<	-338.6	11084.6	0.00	35.88	1.36	3.64	0.097
	51	34385.27	-299.73	392.1>>	4657.8	0.00	37.87	1.73	1.06	0.078
	51	45756.72	172.06	-553.6<<	39452.4	0.00	58.68	2.22	0.61	0.120

BARRA	51	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	51	34484.03	628.53>>	289.9	9738.2	0.00	28.02	1.28	2.21	0.066
	51	45648.97	-1128.02<<	-440.0	33215.0	0.00	46.60	1.77	3.97	0.125
	51	38339.09	-300.88	417.6>>	3043.0	0.00	41.74	1.78	1.06	0.085
	51	41765.36	-797.25	-575.0<<	40890.6	0.00	59.10	2.38	0.69	0.123
	52	34509.16	416.57>>	294.2	8805.2	0.00	28.44	1.30	1.47	0.060
	52	45623.85	-1350.55<<	-447.8	33323.6	0.00	47.41	1.80	4.76	0.137
	52	38359.96	-512.80	414.1>>	2557.4	0.00	41.40	1.76	1.81	0.091
	52	41744.49	-421.46	-575.0<<	40552.6	0.00	59.09	2.38	1.48	0.130

BARRA	52	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	52	34507.34	578.95>>	294.2	8807.3	0.00	28.44	1.30	2.04	0.065
	52	45622.03	-1188.17<<	-447.8	33325.7	0.00	47.41	1.80	4.18	0.130
	52	38358.14	-350.42	414.1>>	2559.4	0.00	41.40	1.76	1.23	0.086
	52	41742.67	-259.08	-575.0<<	40554.6	0.00	59.09	2.38	0.91	0.125
	53	34528.21	368.68>>	294.2	9334.5	0.00	28.45	1.30	1.30	0.058
	53	45601.16	-1412.39<<	-451.3	31848.1	0.00	47.77	1.82	4.97	0.141
	53	38349.90	-557.67	413.0>>	1919.6	0.00	41.28	1.76	1.96	0.093
	53	41780.39	-483.57	-576.8<<	40097.8	0.00	59.29	2.39	1.70	0.133

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	53	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	53	34527.88	346.11>>	295.4	8393.4	0.00	28.56	1.30	1.22	0.058
	53	45532.37	-1765.67<<	-449.3	32421.6	0.00	47.54	1.81	6.22	0.157
	53	38363.47	-583.16	446.0>>	1067.6	0.00	44.59	1.90	2.06	0.101
	53	41722.99	-837.08	-601.7<<	40673.6	0.00	61.82	2.49	2.95	0.152
	54	34540.75	135.84>>	295.4	8652.8	0.00	28.57	1.30	0.48	0.052
	54	45511.49	-1989.89<<	-449.3	30279.9	0.00	47.53	1.81	7.01	0.168
	54	38384.34	-797.11	442.5>>	255.2	0.00	44.25	1.88	2.81	0.108
	54	41702.12	-1061.30	-601.7<<	39599.8	0.00	61.81	2.49	3.74	0.161

BARRA	54	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	54	34543.78	298.15>>	295.4	8658.5	0.00	28.57	1.30	1.05	0.056
	54	45506.52	-1827.58<<	-449.3	30285.6	0.00	47.53	1.81	6.44	0.160
	54	38379.37	-634.80	442.5>>	260.8	0.00	44.24	1.88	2.24	0.102
	54	41697.14	-898.99	-601.7<<	39605.5	0.00	61.81	2.49	3.17	0.155
	55	34564.65	87.87>>	295.4	8862.9	0.00	28.57	1.30	0.31	0.051
	55	45485.65	-2051.80<<	-449.3	28072.7	0.00	47.52	1.81	7.23	0.171
	55	38375.38	-839.36	441.5>>	-695.0	0.00	44.14	1.88	2.96	0.110
	55	41726.30	-1122.28	-603.8<<	38417.2	0.00	62.04	2.50	3.95	0.164

BARRA	55	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	55	34547.99	64.91>>	290.9	7879.6	0.00	28.13	1.28	0.23	0.050
	55	45464.46	-2407.47<<	-442.3	28544.7	0.00	46.78	1.78	8.48	0.187
	55	38361.14	-913.31	482.5>>	-113.7	0.00	48.23	2.05	3.22	0.122
	55	41672.25	-1435.74	-635.0<<	37445.9	0.00	65.22	2.63	5.06	0.186
	56	34568.87	-145.36>>	290.9	7815.6	0.00	28.14	1.28	0.51	0.051
	56	45443.59	-2631.69<<	-442.3	25664.9	0.00	46.77	1.78	9.27	0.199
	56	38382.01	-1137.53	479.0>>	-1310.7	0.00	47.89	2.04	4.01	0.131
	56	41651.38	-1647.67	-635.0<<	35690.6	0.00	65.21	2.63	5.80	0.196

BARRA	56	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	56	39139.99	16.72>>	290.9	14369.7	0.00	29.27	1.23	0.06	0.050
	56	50014.71	-2469.61<<	-442.3	32219.0	0.00	48.35	1.72	8.70	0.195
	56	42953.13	-975.45	479.0>>	5243.4	0.00	49.69	1.97	3.43	0.127
	56	46222.51	-1485.58	-635.0<<	42244.7	0.00	67.53	2.54	5.23	0.193
	57	39160.87	-193.55>>	290.9	14250.2	0.00	29.27	1.23	0.68	0.054
	57	49993.84	-2693.83<<	-442.3	29267.6	0.00	48.34	1.72	9.49	0.207
	57	42955.16	-1109.63	478.0>>	3905.8	0.00	49.59	1.96	4.19	0.136
	57	46239.57	-1695.36	-637.4<<	40395.9	0.00	67.80	2.55	5.97	0.203

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	57	39162.03	-211.18>>	288.2	13261.5	0.00	29.01	1.22	0.74	0.054
	57	49998.63	-3045.86<<	-421.1	29710.4	0.00	46.02	1.64	10.73	0.221
	57	42957.03	-1214.69	535.5>>	3052.5	0.00	55.56	2.20	4.28	0.151
	57	46228.70	-2039.89	-668.8<<	40691.5	0.00	71.14	2.68	7.18	0.229
	58	39182.90	-421.45>>	288.2	12880.1	0.00	29.01	1.22	1.48	0.060
	58	49977.76	-3270.08<<	-421.1	26096.5	0.00	46.02	1.64	11.52	0.234
	58	42977.90	-1438.91	532.0>>	1509.0	0.00	55.21	2.18	5.07	0.160
	58	46207.82	-2250.16	-668.8<<	38242.5	0.00	71.13	2.68	7.92	0.240

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	58	39180.31	-259.54>>	288.2	12904.4	0.00	29.01	1.22	0.91	0.055
	58	49975.17	-3108.17<<	-421.1	26120.8	0.00	46.02	1.64	10.94	0.225
	58	42975.32	-1277.00	532.0>>	1533.3	0.00	55.21	2.18	4.50	0.153
	58	46205.24	-2088.25	-668.8<<	38266.7	0.00	71.12	2.68	7.35	0.231
	59	39201.19	-469.81>>	288.2	12467.2	0.00	29.02	1.22	1.65	0.062
	59	49954.30	-3332.39<<	-421.1	22435.0	0.00	46.01	1.64	11.73	0.238
	59	42974.04	-1504.60	531.3>>	-55.9	0.00	55.13	2.18	5.30	0.163
	59	46195.39	-2311.22	-671.3<<	35807.8	0.00	71.39	2.69	8.14	0.243

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	59	39201.94	-463.32>>	287.4	11474.6	0.00	28.93	1.22	1.70	0.062
	59	49968.11	-3682.11<<	-387.0	22833.2	0.69	42.29	1.51	12.97	0.250
	59	42982.03	-1469.43	608.3>>	-103.1	0.00	63.12	2.50	5.17	0.182
	59	46194.23	-2693.44	-709.1<<	35170.2	0.00	75.40	2.84	9.48	0.274
	60	39222.81	-693.59>>	287.4	10780.5	0.00	28.93	1.22	2.44	0.069
	60	49947.23	-3906.33<<	-387.0	18487.8	1.59	42.28	1.51	13.76	0.263
	60	46173.36	-2903.71	-709.1<<	31969.8	0.00	75.39	2.84	10.22	0.286

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	60	39217.24	-532.66>>	287.4	10803.8	0.00	28.93	1.22	1.88	0.064
	60	49941.66	-3745.40<<	-387.0	18511.2	0.95	42.28	1.51	13.19	0.254
	60	42997.33	-1532.71	604.8>>	-1915.9	0.00	62.77	2.48	5.40	0.184
	60	46167.79	-2742.78	-709.1<<	31993.1	0.00	75.39	2.84	9.66	0.277
	61	39238.11	-742.93>>	287.4	10052.5	0.00	28.94	1.22	2.62	0.071
	61	49920.79	-3969.61<<	-387.0	14092.5	1.85	42.27	1.51	13.98	0.267
	61	43015.61	-1761.56	604.3>>	-3812.1	0.00	62.73	2.48	6.20	0.194
	61	46148.26	-2968.38	-711.6<<	28752.0	0.00	75.64	2.85	10.45	0.290

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	61	39267.48	-742.72>>	192.0	8419.7	0.00	19.34	0.81	2.62	0.052
	61	49935.09	-4317.24<<	-351.8	14499.3	3.24	38.44	1.37	15.20	0.280
	61	42992.12	-1759.26	710.9>>	-4880.1	0.00	73.77	2.92	6.19	0.223
	61	46161.36	-3301.40	-768.4<<	28997.5	0.00	81.69	3.08	11.63	0.325
	62	39288.35	-952.99>>	192.0	7426.9	0.00	19.34	0.81	3.36	0.060
	62	49914.22	-4541.46<<	-351.8	9423.1	4.14	38.43	1.37	15.99	0.294
	62	43012.99	-1983.46	707.4>>	-7050.0	0.00	73.43	2.90	6.98	0.233
	62	46140.48	-3511.67	-768.4<<	25097.6	0.00	81.67	3.08	12.37	0.337

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	62	39279.83	-792.24>>	192.0	7447.4	0.00	19.34	0.81	2.79	0.053
	62	49905.69	-4380.72<<	-351.8	9443.6	3.50	38.43	1.37	15.43	0.284
	62	43004.46	-1822.74	707.4>>	-7029.4	0.00	73.42	2.90	6.42	0.225
	62	46131.96	-3350.93	-768.4<<	25118.1	0.14	81.67	3.08	11.80	0.328
	63	39300.70	-1002.52>>	192.0	6397.5	0.00	19.34	0.81	3.53	0.062
	63	49884.82	-4604.94<<	-351.8	4294.3	4.40	38.42	1.37	16.22	0.298
	63	43045.74	-2052.88	707.2>>	-9274.9	0.00	73.42	2.90	7.23	0.237
	63	46101.04	-3579.13	-770.8<<	21142.3	1.09	81.90	3.09	12.60	0.342

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	63	39320.87	-980.36>>	0.1	4873.6	0.00	0.01	0.00	3.45	0.031
	63	49874.78	-4949.91<<	-305.8	4616.3	5.78	33.39	1.19	17.43	0.309
	63	49902.84	-2053.02	863.6>>	-7057.6	0.00	94.33	3.37	7.23	0.291
	63	39179.96	-3907.34	-859.0<<	12298.2	4.08	86.46	3.63	13.76	0.374
	64	39341.74	-1190.63>>	0.1	3607.6	0.00	0.01	0.00	4.19	0.040
	64	49853.91	-5174.13<<	-305.8	-1187.3	6.68	33.38	1.19	18.22	0.324
	64	39200.83	-4117.61	-859.0<<	7666.2	4.98	86.47	3.63	14.50	0.386

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	64	39288.49	-1037.62>>	0.1	3637.3	0.00	0.01	0.00	3.65	0.034
	64	49800.65	-5021.12<<	-305.8	-1157.6	6.08	33.37	1.19	17.68	0.314
	64	49828.71	-2124.23	860.2>>	-3500.2	0.00	93.90	3.36	7.48	0.293
	64	39147.57	-3964.61	-859.0<<	7695.9	4.33	86.44	3.63	13.96	0.377
	65	39309.36	-1247.89>>	0.1	2305.2	0.00	0.01	0.00	4.39	0.042
	65	49779.78	-5245.34<<	-305.8	-7043.4	6.98	33.37	1.19	18.47	0.328
	65	49853.09	-2355.71	860.1>>	-6075.9	0.00	93.91	3.35	8.30	0.306
	65	39146.00	-4195.39	-861.2<<	2937.7	5.34	86.66	3.64	14.77	0.391

SANT BOI ELU(t-I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	65	39216.83	-1231.66>>	17.9	2275.4	0.00	1.80	0.08	4.34	0.043
	65	49604.94	-5586.85<<	-265.4	-6734.5	8.43	28.92	1.04	19.71	0.342
	65	49628.37	-2333.58	1122.5>>	-6677.9	0.00	122.36	4.38	8.22	0.386
	65	39025.70	-4548.99	-1020.5<<	2535.8	6.90	102.58	4.32	16.02	0.458
	66	39237.71	-1441.93>>	17.9	720.5	0.00	1.80	0.08	5.08	0.052
	66	49584.07	-5821.06<<	-265.4	-13282.1	9.34	28.92	1.04	20.50	0.357
	66	49675.34	-2566.41	1119.2>>	-9506.3	0.00	122.04	4.37	9.04	0.398
	66	39046.57	-4759.27	-1020.5<<	-2834.0	7.01	102.60	4.32	16.76	0.471

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	66	39162.43	-1295.93>>	17.9	723.4	0.00	1.80	0.08	4.56	0.046
	66	49508.79	-5675.06<<	-265.4	-13279.2	8.77	28.90	1.04	19.98	0.347
	66	49600.67	-2420.41	1119.2>>	-9503.3	0.00	121.98	4.37	8.52	0.390
	66	38971.30	-4613.27	-1020.5<<	-2831.1	7.20	102.54	4.32	16.24	0.462
	67	39183.31	-1506.20>>	17.9	-905.5	0.00	1.80	0.08	5.30	0.055
	67	49487.92	-5899.28<<	-265.4	-19916.7	9.67	28.90	1.04	20.77	0.362
	67	49579.19	-2644.62	1119.2>>	-12398.1	0.00	121.96	4.37	9.31	0.402
	67	38958.03	-4846.63	-1022.5<<	-8382.1	8.21	102.73	4.33	17.07	0.477

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	67	38964.40	-2741.77>>	45.4	-988.3	0.00	4.56	0.19	9.65	0.119
	67	48871.64	-7831.25<<	-261.8	-19623.3	17.62	28.39	1.03	27.58	0.495
	67	49124.49	-4200.00	1563.6>>	-12969.5	2.95	169.84	6.13	14.79	0.642
	67	38475.56	-6438.18	-1328.2<<	-8172.2	15.29	132.91	5.65	22.67	0.671
	68	38978.55	-2952.71>>	45.4	-4282.0	0.00	4.56	0.19	10.40	0.130
	68	48843.59	-8054.80<<	-261.8	-28744.8	18.52	28.38	1.03	28.36	0.511
	68	49177.96	-4436.01	1561.0>>	-17972.8	3.88	169.62	6.12	15.62	0.656
	68	38489.70	-6649.12	-1328.2<<	-15719.0	16.21	132.92	5.65	23.41	0.685

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	68	49639.44	-3118.33>>	45.4	802.2	0.00	4.95	0.18	10.98	0.146
	68	59504.48	-8220.41<<	-261.8	-23660.6	15.87	30.46	0.96	28.95	0.550
	68	59838.85	-4601.63	1561.0>>	-12888.6	2.23	182.00	5.70	16.20	0.700
	68	49150.59	-6814.73	-1328.2<<	-10634.8	13.44	144.30	5.21	24.00	0.733
	69	49651.64	-3389.90>>	45.4	-2959.7	0.00	2.53	0.10	3.35	0.032
	69	59474.49	-8504.60<<	-261.8	-33264.8	5.97	15.53	0.53	8.40	0.140
	69	59808.86	-4885.81	1561.0>>	-18329.1	0.00	92.76	3.16	4.82	0.135
	69	49120.01	-7110.70	-1330.2<<	-18807.1	4.00	74.06	2.88	7.02	0.156

SANT BOI ELU(t-I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	69	49735.53	-2841.24>>	76.4	-3052.1	0.00	4.27	0.16	2.80	0.025
	69	59888.82	-8026.49<<	-264.1	-32988.7	3.85	15.70	0.53	7.92	0.129
	69	59987.18	-4032.64	2018.4>>	-18950.9	0.00	120.07	4.08	3.98	0.157
	69	49472.72	-6912.31	-1621.6<<	-18527.9	3.00	90.49	3.50	6.82	0.172
	70	49756.41	-3112.14>>	76.4	-6493.2	0.00	4.27	0.16	3.07	0.029
	70	59867.95	-8311.34<<	-264.1	-42365.5	5.03	15.70	0.53	8.20	0.136
	70	59966.30	-4317.49	2015.0>>	-23734.8	0.00	119.85	4.08	4.26	0.161
	70	49493.59	-7183.21	-1621.6<<	-26650.8	4.18	90.50	3.50	7.09	0.177

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	70	49790.26	-4326.95>>	76.4	-6447.7	0.00	4.27	0.16	4.27	0.047
	70	59901.80	-9526.14<<	-264.1	-42320.1	10.00	15.71	0.53	9.40	0.166
	70	60000.16	-5532.29	2015.0>>	-23689.4	0.00	119.87	4.08	5.46	0.184
	70	49527.44	-8398.02	-1621.6<<	-26605.3	9.48	90.52	3.50	8.29	0.204
	71	49811.13	-4597.85>>	76.4	-11597.2	0.00	4.27	0.16	4.54	0.052
	71	59880.93	-9811.00<<	-264.1	-53421.3	11.18	15.70	0.53	9.69	0.173
	71	60058.93	-5828.39	2013.9>>	-30300.1	0.00	119.85	4.07	5.75	0.189
	71	49508.30	-8697.23	-1622.1<<	-36653.0	10.79	90.54	3.50	8.59	0.211

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	71	50403.74	10479.96>>	893.0	-59185.5	18.16	50.13	1.91	10.35	0.209
	71	59858.70	4778.49<<	16.8	-5331.7	0.00	1.00	0.03	4.72	0.057
	71	57007.17	9268.55	1973.9>>	-30290.1	10.10	115.41	4.06	9.15	0.260
	71	53133.16	6131.01	-1592.1<<	-36379.1	0.00	90.93	3.36	6.05	0.157
	72	50424.61	10195.11>>	893.0	-47315.0	16.91	50.14	1.91	10.06	0.202
	72	59837.83	4507.59<<	16.8	25.5	0.00	1.00	0.03	4.45	0.052
	72	56986.30	8995.99	1970.4>>	-19770.4	8.97	115.19	4.06	8.88	0.253
	72	53154.03	5847.82	-1592.1<<	-29509.0	0.00	90.94	3.36	5.77	0.151

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	72	50593.04	9265.98>>	893.0	-47170.7	12.80	50.19	1.91	9.15	0.179
	72	60006.26	3578.45<<	16.8	169.8	0.00	1.00	0.03	3.53	0.037
	72	57154.73	8066.86	1970.4>>	-19626.1	5.03	115.30	4.05	7.96	0.231
	72	53322.46	4918.68	-1592.1<<	-29364.7	0.00	91.03	3.35	4.86	0.134
	73	50613.92	8981.13>>	893.0	-36696.1	11.55	50.20	1.91	8.87	0.172
	73	59985.39	3307.55<<	16.8	4147.2	0.00	1.00	0.03	3.27	0.033
	73	57190.71	7807.92	1968.6>>	-10561.9	3.93	115.23	4.05	7.71	0.225
	73	53315.23	4659.13	-1592.4<<	-24044.4	0.00	91.05	3.35	4.60	0.130

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	73	59890.67	9328.15>>	735.5	-37043.7	9.20	43.73	1.49	9.21	0.180
	73	50868.98	3933.58<<	15.5	3801.0	0.00	0.87	0.03	3.88	0.041
	73	57209.84	8151.12	1534.1>>	-11194.0	5.36	89.80	3.15	8.05	0.199
	73	53509.69	5230.39	-1210.7<<	-23287.9	0.00	69.31	2.55	5.16	0.114
	74	59878.91	9042.63>>	735.5	-26457.2	18.84	85.78	2.69	31.84	0.745
	74	50898.52	3663.34<<	15.5	8154.0	0.43	1.71	0.06	12.90	0.175
	74	57197.69	7877.90	1530.6>>	-1954.7	15.24	175.54	5.68	27.74	0.912
	74	53539.62	4947.86	-1210.7<<	-17449.9	4.91	135.57	4.60	17.42	0.580

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	74	48958.60	8255.51>>	735.5	-31692.9	19.29	79.80	2.89	29.07	0.649
	74	39978.21	2876.23<<	15.5	2918.3	0.00	1.57	0.07	10.13	0.123
	74	46277.38	7090.78	1530.6>>	-7190.4	15.45	162.86	6.13	24.97	0.811
	74	42619.31	4160.74	-1210.7<<	-22685.6	4.31	125.28	4.98	14.65	0.503
	75	48944.91	8030.63>>	735.5	-22305.8	18.39	79.79	2.89	28.28	0.633
	75	40005.81	2666.62<<	15.5	6089.5	0.00	1.57	0.07	9.39	0.112
	75	46263.29	6878.19	1527.2>>	863.7	14.58	162.47	6.11	24.22	0.795
	75	42647.31	3938.85	-1210.7<<	-18043.6	3.36	125.31	4.98	13.87	0.490

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	75	39872.71	6142.39>>	587.1	-24023.6	13.54	59.43	2.47	21.63	0.438
	75	49158.31	1325.43<<	18.8	6998.6	0.00	2.04	0.07	4.67	0.050
	75	46319.48	5000.25	1119.0>>	74.2	6.87	119.10	4.48	17.61	0.535
	75	42652.44	2603.89	-842.2<<	-17429.3	0.00	87.17	3.46	9.17	0.303
	76	39893.58	5918.17>>	587.1	-17106.4	12.56	59.44	2.47	20.84	0.423
	76	49137.44	1115.16<<	18.8	8419.7	0.00	2.04	0.07	3.93	0.040
	76	46298.61	4788.33	1115.5>>	5720.3	6.00	118.71	4.46	16.86	0.520
	76	42673.32	2379.68	-842.2<<	-14581.3	0.00	87.19	3.46	8.38	0.291

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	76	35244.46	6071.76>>	587.1	-23853.7	14.81	57.14	2.57	21.38	0.423
	76	44488.32	1268.75<<	18.8	1672.4	0.00	1.97	0.08	4.47	0.046
	76	41649.49	4941.91	1115.5>>	-1027.0	7.87	114.55	4.63	17.40	0.518
	76	38024.19	2533.26	-842.2<<	-21328.7	0.00	83.96	3.60	8.92	0.292
	77	35265.33	5847.54>>	587.1	-17017.7	13.80	57.15	2.57	20.59	0.409
	77	44467.44	1058.48<<	18.8	3028.3	0.00	1.97	0.08	3.73	0.037
	77	41631.05	4711.81	1112.2>>	4607.4	6.89	114.19	4.61	16.59	0.503
	77	38039.79	2298.16	-842.2<<	-18537.9	0.00	83.97	3.60	8.09	0.280

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	77	35200.80	5484.09>>	482.1	-17807.6	12.19	46.90	2.11	19.31	0.360
	77	44457.57	1088.14<<	15.3	2966.3	0.00	1.61	0.06	3.83	0.038
	77	41599.24	4378.98	854.4>>	3794.4	5.49	87.71	3.54	15.42	0.405
	77	37999.22	2310.07	-652.2<<	-17513.6	0.00	65.00	2.79	8.13	0.229
	78	35221.67	5259.87>>	482.1	-11647.6	11.18	46.91	2.11	18.52	0.347
	78	44436.70	877.87<<	15.3	4114.2	0.00	1.61	0.06	3.09	0.029
	78	41578.37	4167.05	851.0>>	8725.9	4.59	87.33	3.53	14.67	0.391
	78	38020.09	2085.85	-652.2<<	-15003.8	0.00	65.02	2.79	7.34	0.218

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	78	35244.97	5427.02>>	482.1	-11652.5	11.92	46.92	2.11	19.11	0.357
	78	44460.00	1045.01<<	15.3	4109.3	0.00	1.61	0.06	3.68	0.036
	78	41601.67	4334.19	851.0>>	8721.0	5.30	87.35	3.53	15.26	0.401
	78	38043.39	2253.00	-652.2<<	-15008.7	0.00	65.03	2.79	7.93	0.226
	79	35265.84	5202.80>>	482.1	-5558.1	10.91	46.93	2.11	18.32	0.343
	79	44439.13	834.74<<	15.3	5207.8	0.00	1.61	0.06	2.94	0.027
	79	41574.38	4106.76	848.0>>	13614.6	4.34	87.03	3.52	14.46	0.387
	79	38077.37	2019.30	-652.3<<	-12559.5	0.00	65.05	2.79	7.11	0.214

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	79	35296.60	4840.16>>	403.5	-6364.8	9.27	39.29	1.76	17.04	0.303
	79	44450.07	864.53<<	11.8	5149.7	0.00	1.24	0.05	3.04	0.028
	79	41616.22	3770.05	671.1>>	12846.2	2.89	68.90	2.78	13.28	0.317
	79	38097.53	2017.91	-564.8<<	-11669.7	0.00	56.34	2.41	7.11	0.192
	80	35317.48	4615.94>>	403.5	-945.5	8.26	39.29	1.76	16.25	0.290
	80	44429.19	654.26<<	11.8	6040.4	0.00	1.24	0.05	2.30	0.020
	80	41595.34	3558.13	667.6>>	17077.2	2.00	68.53	2.77	12.53	0.304
	80	38118.41	1793.69	-564.8<<	-9496.0	0.00	56.35	2.41	6.32	0.181

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	80	35337.69	4785.12>>	403.5	-956.1	9.01	39.30	1.76	16.85	0.300
	80	44449.40	823.44<<	11.8	6029.8	0.00	1.24	0.05	2.90	0.027
	80	41615.55	3727.31	667.6>>	17066.7	2.71	68.54	2.77	13.13	0.314
	80	38138.62	1962.87	-564.8<<	-9506.6	0.00	56.36	2.41	6.91	0.189
	81	35358.56	4560.90>>	403.5	4400.3	8.00	39.31	1.76	16.06	0.287
	81	44428.53	613.17<<	11.8	6873.7	0.00	1.24	0.05	2.16	0.019
	81	41580.92	3502.56	665.0>>	21227.1	1.77	68.25	2.76	12.33	0.300
	81	38187.29	1730.52	-565.0<<	-7406.9	0.00	56.40	2.41	6.09	0.178

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	81	35411.53	4200.17>>	339.2	3535.6	6.37	33.06	1.48	14.79	0.251
	81	44440.49	645.37<<	12.3	6840.6	0.00	1.29	0.05	2.27	0.020
	81	41669.79	2147.36	542.9>>	11689.0	0.00	55.76	2.25	7.56	0.196
	81	38176.59	2739.71	-524.9<<	2160.9	0.00	52.39	2.24	9.65	0.218
	82	35432.40	3975.95>>	339.2	8219.5	5.36	33.07	1.48	14.00	0.238
	82	44419.62	435.10<<	12.3	7479.8	0.00	1.29	0.05	1.53	0.012
	82	41648.92	1935.44	539.4>>	14054.6	0.00	55.39	2.24	6.82	0.184
	82	38197.46	2515.49	-524.9<<	5165.2	0.00	52.40	2.24	8.86	0.206

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	82	35449.26	4145.70>>	339.2	8206.0	6.12	33.07	1.48	14.60	0.248
	82	44436.48	604.85<<	12.3	7466.4	0.00	1.29	0.05	2.13	0.018
	82	41665.78	2105.19	539.4>>	14041.1	0.00	55.40	2.24	7.41	0.193
	82	38214.32	2685.25	-524.9<<	5151.8	0.00	52.41	2.24	9.46	0.215
	83	35470.13	3921.48>>	339.2	12827.0	5.11	33.08	1.48	13.81	0.235
	83	44415.61	394.58<<	12.3	8058.8	0.00	1.29	0.05	1.39	0.011
	83	41625.13	1883.15	537.2>>	16306.8	0.00	55.15	2.23	6.63	0.181
	83	38274.87	2454.17	-525.4<<	8068.9	0.00	52.48	2.24	8.64	0.203

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	83	35512.01	3561.88>>	290.9	11960.8	3.49	28.38	1.27	12.54	0.205
	83	44417.73	400.07<<	-229.3	10554.3	0.00	24.06	0.93	1.41	0.048
	83	35621.99	1793.98	476.4>>	15615.2	0.00	46.52	2.08	6.32	0.157
	83	44327.61	2191.19	-528.0<<	8798.8	0.00	55.37	2.14	7.72	0.197
	84	35532.88	3337.66>>	290.9	15910.4	2.48	28.38	1.27	11.75	0.193
	84	44396.86	189.80<<	-229.3	10911.1	0.00	24.06	0.93	0.67	0.042
	84	35642.87	1582.05	472.9>>	17538.8	0.00	46.19	2.06	5.57	0.146
	84	44306.74	1966.97	-528.0<<	11207.4	0.00	55.36	2.14	6.93	0.186

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	84	35546.43	3508.39>>	290.9	15896.8	3.24	28.39	1.27	12.35	0.202
	84	44410.40	360.54<<	-229.3	10897.5	0.00	24.06	0.93	1.27	0.047
	84	35656.41	1752.78	472.9>>	17525.2	0.00	46.19	2.06	6.17	0.154
	84	44320.28	2137.70	-528.0<<	11193.8	0.00	55.36	2.14	7.53	0.194
	85	35567.30	3284.17>>	290.9	19784.8	2.23	28.39	1.27	11.56	0.190
	85	44389.53	150.27<<	-229.3	11208.9	0.00	24.06	0.93	0.53	0.041
	85	35652.88	1533.46	470.9>>	19327.3	0.00	46.00	2.05	5.40	0.144
	85	44348.23	1907.87	-528.7<<	13506.3	0.00	55.45	2.15	6.72	0.183

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	85	35595.75	2927.91>>	251.3	18872.8	0.63	24.53	1.10	10.31	0.162
	85	44393.84	146.66<<	-350.4	13086.2	0.00	36.76	1.42	0.52	0.068
	85	35696.66	1412.53	422.0>>	18603.1	0.00	41.23	1.84	4.97	0.127
	85	44321.77	1675.50	-523.9<<	14244.8	0.00	54.93	2.13	5.90	0.170
	86	35616.62	2703.69>>	251.3	22093.0	0.00	24.54	1.10	9.52	0.151
	86	44372.96	-63.61<<	-350.4	13151.4	0.00	36.75	1.42	0.22	0.066
	86	35717.53	1200.61	418.5>>	20087.7	0.00	40.90	1.82	4.23	0.117
	86	44300.90	1451.29	-523.9<<	16060.1	0.00	54.92	2.13	5.11	0.160

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	86	35626.70	2873.88>>	251.3	22081.2	0.38	24.54	1.10	10.12	0.160
	86	44383.04	106.58<<	-350.4	13139.6	0.00	36.75	1.42	0.38	0.067
	86	35727.60	1370.80	418.5>>	20075.9	0.00	40.90	1.82	4.83	0.124
	86	44310.97	1621.48	-523.9<<	16048.3	0.00	54.92	2.13	5.71	0.168
	87	35647.57	2649.67>>	251.3	25240.0	0.00	24.55	1.10	9.33	0.148
	87	44362.16	-103.69<<	-350.4	13159.3	0.00	36.75	1.42	0.37	0.067
	87	35720.96	1154.20	416.8>>	21422.4	0.00	40.73	1.82	4.06	0.115
	87	44345.08	1392.88	-524.8<<	17759.9	0.00	55.03	2.13	4.90	0.158

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	87	35666.10	2295.68>>	218.6	24278.5	0.00	21.36	0.95	8.08	0.124
	87	44363.90	-114.57<<	-352.1	13951.6	0.00	36.93	1.43	0.40	0.067
	87	35781.47	713.44	387.3>>	12747.6	0.00	37.88	1.69	2.51	0.091
	87	44278.36	1477.30	-523.3<<	26399.3	0.00	54.85	2.13	5.20	0.161
	88	35686.97	2071.47>>	218.6	26772.0	0.00	21.36	0.95	7.29	0.113
	88	44343.03	-324.84<<	-352.1	13716.7	0.00	36.92	1.43	1.14	0.073
	88	35802.34	501.52	383.9>>	13428.6	0.00	37.54	1.67	1.77	0.083
	88	44257.49	1253.08	-523.3<<	27987.0	0.00	54.84	2.13	4.41	0.151

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	88	35693.67	2242.81>>	218.6	26763.6	0.00	21.36	0.95	7.90	0.121
	88	44349.73	-153.49<<	-352.1	13708.3	0.00	36.93	1.43	0.54	0.068
	88	35809.05	672.86	383.9>>	13420.1	0.00	37.55	1.67	2.37	0.089
	88	44264.19	1424.43	-523.3<<	27978.6	0.00	54.84	2.13	5.02	0.159
	89	35714.54	2018.60>>	218.6	29196.1	0.00	21.37	0.95	7.11	0.110
	89	44328.86	-363.76<<	-352.1	13428.5	0.00	36.92	1.43	1.28	0.074
	89	35800.94	458.97	382.4>>	13953.1	0.00	37.40	1.66	1.62	0.081
	89	44301.24	1197.04	-524.5<<	29458.2	0.00	54.98	2.13	4.22	0.149

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	89	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	89	35723.31	1667.90>>	191.7	28122.9	0.00	18.74	0.84	5.87	0.089
	89	44327.96	-375.18<<	-346.1	14250.1	0.00	36.29	1.41	1.32	0.073
	89	35809.64	546.25	394.4>>	10472.6	0.00	38.58	1.72	1.92	0.087
	89	44271.15	752.27	-551.1<<	32833.8	0.00	57.76	2.24	2.65	0.137
	90	35744.18	1443.68>>	191.7	29894.6	0.00	18.74	0.84	5.08	0.079
	90	44307.09	-585.45<<	-346.1	13715.7	0.00	36.28	1.41	2.06	0.080
	90	35830.51	334.33	390.9>>	10961.4	0.00	38.24	1.70	1.18	0.079
	90	44250.27	528.05	-551.1<<	33587.9	0.00	57.75	2.24	1.86	0.129

BARRA	90	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	90	35747.43	1614.65>>	191.7	29890.2	0.00	18.74	0.84	5.69	0.087
	90	44310.33	-414.48<<	-346.1	13711.2	0.00	36.28	1.41	1.46	0.075
	90	35833.76	505.30	390.9>>	10957.0	0.00	38.24	1.70	1.78	0.085
	90	44253.52	699.02	-551.1<<	33583.5	0.00	57.75	2.24	2.46	0.135
	91	35772.24	1392.17>>	198.9	30069.2	0.00	19.45	0.87	4.90	0.078
	91	44314.29	-627.23<<	-355.5	14768.0	0.00	37.27	1.44	2.21	0.084
	91	35825.87	294.12	389.7>>	11293.1	0.00	38.12	1.70	1.04	0.078
	91	44290.15	472.84	-552.5<<	34226.8	0.00	57.92	2.24	1.67	0.128

BARRA	91	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	91	35857.50	1157.79>>	298.1	7386.1	0.00	29.16	1.30	4.08	0.088
	91	44224.66	-762.54<<	-458.4	37115.2	0.00	48.03	1.86	2.69	0.114
	91	35846.67	238.86	416.2>>	11012.7	0.00	40.72	1.81	0.84	0.082
	91	44236.41	158.53	-583.3<<	34319.7	0.00	61.12	2.37	0.56	0.126
	92	35905.22	946.89>>	298.6	8423.6	0.00	29.23	1.30	3.33	0.080
	92	44203.79	-986.75<<	-461.9	36126.9	0.00	48.38	1.88	3.47	0.124
	92	35867.54	26.93	412.7>>	11147.7	0.00	40.39	1.80	0.09	0.077
	92	44215.54	-65.69	-583.3<<	34390.6	0.00	61.11	2.37	0.23	0.124

BARRA	92	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	92	35903.40	1109.27>>	298.6	8425.8	0.00	29.23	1.30	3.91	0.087
	92	44201.97	-824.37<<	-461.9	36129.2	0.00	48.38	1.88	2.90	0.117
	92	35865.72	189.31	412.7>>	11149.9	0.00	40.39	1.80	0.67	0.080
	92	44213.72	96.70	-583.3<<	34392.9	0.00	61.11	2.37	0.34	0.125
	93	35924.27	899.00>>	298.6	9562.9	0.00	29.24	1.30	3.17	0.078
	93	44181.09	-1048.59<<	-465.4	35069.9	0.00	48.74	1.89	3.69	0.127
	93	35859.76	-19.16	411.6>>	11124.7	0.00	40.27	1.79	0.07	0.076
	93	44246.52	-128.29	-585.0<<	34344.1	0.00	61.31	2.38	0.45	0.126

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	93	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	93	35926.80	876.85>>	296.9	8614.8	0.00	29.07	1.29	3.09	0.077
	93	44114.98	-1401.24<<	-464.3	35639.9	0.00	48.61	1.89	4.93	0.142
	93	38597.51	-138.46	443.7>>	10762.7	0.00	44.44	1.89	0.49	0.087
	93	41468.84	-387.70	-612.9<<	34424.8	0.00	62.84	2.54	1.37	0.139
	94	35947.67	666.58>>	296.9	9484.7	0.00	29.07	1.29	2.35	0.069
	94	44094.11	-1625.45<<	-464.3	33917.4	0.00	48.60	1.89	5.72	0.153
	94	38618.38	-350.39	440.2>>	10464.1	0.00	44.10	1.87	1.23	0.092
	94	41447.96	-611.92	-612.9<<	33867.8	0.00	62.83	2.55	2.15	0.147

BARRA	94	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	94	35942.70	828.89>>	296.9	9490.5	0.00	29.07	1.29	2.92	0.075
	94	44089.13	-1463.15<<	-464.3	33923.2	0.00	48.60	1.89	5.15	0.145
	94	38613.41	-188.08	440.2>>	10469.8	0.00	44.10	1.87	0.66	0.088
	94	41442.99	-449.61	-612.9<<	33873.6	0.00	62.83	2.55	1.58	0.141
	95	35963.57	618.62>>	296.9	10305.0	0.00	29.08	1.29	2.18	0.068
	95	44068.26	-1687.36<<	-464.3	32129.3	0.00	48.59	1.89	5.94	0.156
	95	38611.09	-393.86	439.2>>	10018.8	0.00	43.99	1.87	1.39	0.093
	95	41468.52	-673.39	-614.9<<	33199.8	0.00	63.05	2.55	2.37	0.149

BARRA	95	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	95	35949.76	596.83>>	291.2	9318.6	0.00	28.51	1.27	2.10	0.066
	95	44044.90	-2042.05<<	-456.6	32597.7	0.00	47.77	1.86	7.19	0.171
	95	38595.93	-467.68	481.6>>	10613.3	0.00	48.24	2.05	1.65	0.106
	95	41418.66	-983.09	-648.1<<	32218.8	0.00	66.43	2.69	3.46	0.170
	96	35970.63	386.56>>	291.2	9866.1	0.00	28.52	1.27	1.36	0.059
	96	44024.03	-2266.27<<	-456.6	30137.8	0.00	47.76	1.86	7.98	0.182
	96	38616.80	-691.89	478.1>>	9928.6	0.00	47.90	2.03	2.44	0.113
	96	41397.78	-1195.02	-648.1<<	30983.9	0.00	66.42	2.69	4.21	0.179

BARRA	96	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	96	38250.71	548.65>>	291.2	13148.0	0.00	29.08	1.24	1.93	0.065
	96	46304.10	-2104.19<<	-456.6	33419.7	0.00	48.59	1.83	7.41	0.176
	96	40896.88	-529.81	478.1>>	13210.5	0.00	48.80	1.99	1.87	0.109
	96	43677.86	-1032.93	-648.1<<	34265.9	0.00	67.61	2.64	3.64	0.174
	97	38271.58	338.38>>	291.2	13640.7	0.00	29.09	1.24	1.19	0.058
	97	46283.23	-2328.40<<	-456.6	30888.9	0.00	48.58	1.83	8.20	0.187
	97	40899.96	-745.21	477.1>>	12374.1	0.00	48.71	1.99	2.62	0.116
	97	43692.60	-1243.20	-650.4<<	32934.7	0.00	67.87	2.65	4.38	0.184

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	97	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	97	38271.23	320.68>>	285.2	12644.7	0.00	28.49	1.22	1.13	0.056
	97	46281.61	-2680.61<<	-436.7	31321.3	0.00	46.46	1.75	9.44	0.201
	97	40897.04	-768.80	533.3>>	11527.2	0.00	54.44	2.22	2.71	0.131
	97	43679.96	-1589.40	-685.1<<	33205.6	0.00	71.48	2.80	5.60	0.209
	98	38292.11	110.41>>	285.2	12874.8	0.00	28.49	1.22	0.39	0.050
	98	46260.74	-2904.82<<	-436.7	28127.2	0.00	46.45	1.75	10.23	0.213
	98	40917.91	-993.02	529.9>>	10496.4	0.00	54.09	2.21	3.50	0.139
	98	43659.08	-1799.67	-685.1<<	31274.4	0.00	71.47	2.80	6.34	0.219

BARRA	98	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	98	38285.31	272.32>>	285.2	12893.0	0.00	28.49	1.22	0.96	0.055
	98	46253.94	-2742.91<<	-436.7	28145.4	0.00	46.45	1.75	9.66	0.204
	98	40911.11	-831.11	529.9>>	10514.6	0.00	54.09	2.21	2.93	0.133
	98	43652.29	-1637.76	-685.1<<	31292.7	0.00	71.47	2.80	5.77	0.211
	99	38306.18	62.05>>	285.2	13067.7	0.00	28.49	1.22	0.22	0.049
	99	46233.07	-2967.13<<	-436.7	24879.9	0.00	46.45	1.75	10.45	0.217
	99	40910.85	-1058.21	529.0>>	9442.7	0.00	54.01	2.21	3.73	0.142
	99	43641.99	-1859.51	-687.7<<	29366.5	0.00	71.73	2.81	6.55	0.222

BARRA	99	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	99	38325.62	54.82>>	172.6	11156.8	0.00	17.25	0.74	0.19	0.027
	99	46240.43	-3317.53<<	-406.2	25267.3	0.00	43.21	1.63	11.68	0.229
	99	40913.76	-1029.36	602.0>>	9289.5	0.00	61.46	2.51	3.62	0.159
	99	43638.61	-2238.43	-730.9<<	28799.7	0.00	76.24	2.98	7.88	0.253
	100	38346.49	-155.45>>	172.6	11081.5	0.00	17.25	0.74	0.55	0.029
	100	46219.55	-3541.74<<	-406.2	21341.2	0.91	43.20	1.63	12.47	0.242
	100	40934.64	-1253.58	598.6>>	7959.3	0.00	61.11	2.50	4.41	0.168
	100	43617.74	-2448.70	-730.9<<	26122.5	0.00	76.23	2.98	8.62	0.264

BARRA	100	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	100	38336.73	5.49>>	172.6	11098.9	0.00	17.25	0.74	0.02	0.026
	100	46209.79	-3380.81<<	-406.2	21358.6	0.25	43.20	1.63	11.90	0.233
	100	40924.87	-1092.64	598.6>>	7976.7	0.00	61.11	2.50	3.85	0.161
	100	43607.97	-2287.77	-730.9<<	26139.9	0.00	76.22	2.98	8.06	0.256
	101	38357.60	-204.78>>	172.6	10966.6	0.00	17.25	0.74	0.72	0.030
	101	46188.91	-3605.03<<	-406.2	17359.4	1.18	43.19	1.63	12.69	0.245
	101	40942.86	-1320.99	598.0>>	6592.4	0.00	61.07	2.49	4.65	0.171
	101	43588.62	-2512.16	-733.5<<	23439.5	0.00	76.47	3.00	8.85	0.268

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	101	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	101	38384.62	-194.51>>	-31.6	8760.4	0.00	3.16	0.13	0.68	0.007
	101	46196.92	-3953.31<<	-374.7	17751.3	2.60	39.85	1.50	13.92	0.258
	101	46217.00	-1350.83	699.5>>	5542.4	0.00	74.39	2.80	4.76	0.205
	101	38297.22	-2815.70	-796.0<<	23636.0	0.00	79.53	3.39	9.92	0.294
	102	38405.50	-404.78>>	-31.6	8397.9	0.00	3.16	0.13	1.43	0.013
	102	46176.05	-4177.53<<	-374.7	13093.5	3.53	39.84	1.50	14.71	0.272
	102	46196.13	-1575.04	696.0>>	3877.4	0.00	74.01	2.79	5.55	0.214
	102	38318.10	-3025.97	-796.0<<	20259.2	0.45	79.54	3.39	10.66	0.305

BARRA	102	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	102	38392.79	-244.05>>	-31.6	8412.3	0.00	3.16	0.13	0.86	0.008
	102	46163.34	-4016.79<<	-374.7	13107.9	2.87	39.84	1.50	14.14	0.262
	102	46183.42	-1414.31	696.0>>	3891.8	0.00	74.00	2.79	4.98	0.206
	102	38305.39	-2865.23	-796.0<<	20273.6	0.00	79.53	3.39	10.09	0.297
	103	38413.66	-454.32>>	-31.6	7993.2	0.00	3.17	0.13	1.60	0.015
	103	46142.47	-4241.01<<	-374.7	8377.6	3.80	39.83	1.50	14.93	0.276
	103	46181.34	-1643.93	695.7>>	2158.5	0.00	73.97	2.79	5.79	0.217
	103	38317.02	-3092.24	-798.4<<	16841.4	0.74	79.79	3.40	10.89	0.310

BARRA	103	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	103	38411.49	-429.63>>	-23.7	7952.6	0.00	2.37	0.10	1.51	0.013
	103	46128.80	-4586.23<<	-333.1	8694.1	5.22	35.41	1.33	16.15	0.287
	103	46144.06	-1564.28	846.5>>	3486.0	0.00	89.98	3.39	5.51	0.257
	103	38284.23	-3502.76	-892.8<<	14857.7	2.54	89.19	3.81	12.33	0.359
	104	38432.36	-639.90>>	-23.7	7320.1	0.00	2.37	0.10	2.25	0.020
	104	46107.93	-4810.44<<	-333.1	3308.9	6.14	35.40	1.33	16.94	0.301
	104	46123.19	-1788.49	843.0>>	1576.0	0.00	89.60	3.38	6.30	0.266
	104	38305.11	-3713.03	-892.8<<	10691.2	3.45	89.21	3.80	13.07	0.371

BARRA	104	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	104	38374.94	-486.90>>	-23.7	7343.8	0.00	2.36	0.10	1.71	0.015
	104	46050.51	-4657.44<<	-333.1	3332.6	5.53	35.39	1.34	16.40	0.291
	104	46065.76	-1635.49	843.0>>	1599.7	0.00	89.56	3.38	5.76	0.259
	104	38247.68	-3560.03	-892.8<<	10714.9	2.80	89.17	3.81	12.54	0.362
	105	38395.81	-697.17>>	-23.7	6645.1	0.00	2.37	0.10	2.45	0.022
	105	46029.63	-4881.66<<	-333.1	-2134.9	6.45	35.38	1.34	17.19	0.305
	105	46087.27	-1866.44	843.0>>	-406.0	0.00	89.57	3.38	6.57	0.270
	105	38247.50	-3789.62	-895.1<<	6444.8	3.80	89.40	3.82	13.34	0.376

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	105	38303.37	-682.56>>	-10.9	6582.9	0.00	1.09	0.05	2.40	0.020
	105	45846.77	-5233.41<<	-302.2	-1804.6	7.95	32.05	1.21	18.43	0.320
	105	45864.61	-1867.99	1096.5>>	-1641.8	0.00	116.31	4.40	6.58	0.347
	105	38119.46	-4121.49	-1059.7<<	6660.7	5.28	105.72	4.52	14.51	0.443
	106	38324.24	-892.83>>	-10.9	5659.3	0.00	1.09	0.05	3.14	0.028
	106	45825.90	-5457.63<<	-302.2	-7934.4	8.88	32.04	1.21	19.22	0.335
	106	45907.84	-2100.27	1093.2>>	-3926.2	0.00	116.00	4.39	7.40	0.358
	106	38140.33	-4331.76	-1059.7<<	1782.4	6.20	105.74	4.52	15.25	0.455

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	106	38244.81	-746.82>>	-10.9	5656.3	0.00	1.08	0.05	2.63	0.023
	106	45746.47	-5311.62<<	-302.2	-7937.4	8.30	32.02	1.21	18.70	0.325
	106	45828.40	-1954.26	1093.2>>	-3929.3	0.00	115.93	4.39	6.88	0.351
	106	38060.89	-4185.75	-1059.7<<	1779.4	5.58	105.67	4.53	14.74	0.447
	107	38265.68	-957.09>>	-10.9	4658.9	0.00	1.09	0.05	3.37	0.031
	107	45725.59	-5535.84<<	-302.2	-14156.9	9.22	32.02	1.21	19.49	0.340
	107	45807.53	-2178.48	1093.2>>	-6287.8	0.00	115.91	4.39	7.67	0.362
	107	38049.51	-4417.94	-1061.9<<	-3254.5	6.60	105.88	4.54	15.56	0.461

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	107	38061.89	-2165.53>>	2.9	4588.6	0.00	0.29	0.01	7.63	0.084
	107	45113.80	-7347.99<<	-302.5	-13884.6	16.89	31.91	1.22	25.87	0.461
	107	45370.48	-3615.33	1527.0>>	-6858.8	1.39	161.38	6.15	12.73	0.583
	107	37574.43	-5981.97	-1374.5<<	-3068.6	13.60	136.50	5.89	21.06	0.653
	108	38076.04	-2376.47>>	2.9	1957.8	0.00	0.29	0.01	8.37	0.095
	108	45085.75	-7571.54<<	-302.5	-22450.2	17.82	31.90	1.22	26.66	0.477
	108	45419.44	-3850.64	1524.5>>	-11179.4	2.35	161.17	6.14	13.56	0.596
	108	37588.57	-6192.91	-1374.5<<	-10090.6	14.52	136.51	5.89	21.81	0.667

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	108	47394.25	-2500.74>>	2.9	6978.0	0.00	0.31	0.01	8.81	0.106
	108	54403.96	-7695.81<<	-302.5	-17430.0	15.36	34.07	1.14	27.10	0.508
	108	54737.65	-3974.91	1524.5>>	-6159.2	0.88	172.07	5.75	14.00	0.631
	108	46906.78	-6317.18	-1374.5<<	-5070.4	12.09	146.93	5.48	22.24	0.707
	109	47406.45	-2772.31>>	2.9	3927.1	0.00	0.16	0.01	2.74	0.023
	109	54373.97	-7979.99<<	-302.5	-26430.1	5.72	17.41	0.63	7.88	0.126
	109	54707.66	-4259.09	1524.5>>	-10878.1	0.00	87.91	3.18	4.20	0.119
	109	46878.38	-6612.06	-1376.8<<	-12642.0	2.67	75.52	3.02	6.53	0.147

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	109	47469.90	-2297.06>>	23.7	3836.7	0.00	1.30	0.05	2.27	0.018
	109	54764.38	-7664.83<<	-308.3	-26155.7	4.23	17.79	0.64	7.57	0.119
	109	54868.96	-3570.25	1972.5>>	-11491.2	0.00	113.85	4.11	3.52	0.142
	109	47208.40	-6486.17	-1672.4<<	-12382.1	1.98	91.94	3.66	6.40	0.165
	110	47490.78	-2567.96>>	23.7	1021.5	0.00	1.30	0.05	2.54	0.021
	110	54743.50	-7949.68<<	-308.3	-35116.5	5.45	17.78	0.64	7.85	0.126
	110	54848.08	-3855.10	1969.0>>	-15743.3	0.00	113.64	4.11	3.81	0.146
	110	47229.27	-6757.07	-1672.4<<	-20014.8	3.18	91.95	3.66	6.67	0.170

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	110	47518.05	-3781.81>>	23.7	1061.1	0.00	1.30	0.05	3.73	0.038
	110	54770.78	-9163.53<<	-308.3	-35076.8	10.57	17.79	0.64	9.05	0.154
	110	54875.36	-5068.95	1969.0>>	-15703.6	0.00	113.66	4.11	5.00	0.167
	110	47256.55	-7970.92	-1672.4<<	-19975.2	8.56	91.97	3.66	7.87	0.196
	111	47538.93	-4052.71>>	23.7	-3461.4	0.00	1.30	0.05	4.00	0.042
	111	54749.91	-9448.38<<	-308.3	-45761.0	11.79	17.79	0.64	9.33	0.161
	111	54929.75	-5364.46	1968.1>>	-21769.2	0.00	113.65	4.10	5.30	0.172
	111	47239.45	-8268.99	-1673.2<<	-29501.2	9.89	92.01	3.66	8.16	0.203

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	111	48075.72	9515.30>>	870.9	-44845.3	15.03	48.15	1.90	9.39	0.182
	111	54806.38	3853.91<<	-35.3	-3716.4	0.00	2.04	0.07	3.80	0.040
	111	53018.63	8300.29	1930.5>>	-21897.1	7.62	110.18	4.07	8.19	0.229
	111	49747.01	5232.86	-1636.0<<	-29073.8	0.00	91.45	3.52	5.17	0.141
	112	48096.59	9230.45>>	870.9	-34084.1	13.76	48.16	1.90	9.11	0.175
	112	54785.51	3583.01<<	-35.3	577.5	0.00	2.04	0.07	3.54	0.036
	112	52997.76	8027.73	1927.1>>	-12490.8	6.46	109.96	4.06	7.93	0.222
	112	49767.88	4949.67	-1636.0<<	-23236.5	0.00	91.46	3.52	4.89	0.136

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	112	48270.75	8119.98>>	870.9	-33936.5	8.79	48.22	1.89	8.02	0.150
	112	54959.68	2472.54<<	-35.3	725.1	0.00	2.04	0.07	2.44	0.021
	112	53171.93	6917.26	1927.1>>	-12343.2	1.64	110.08	4.06	6.83	0.198
	112	49942.05	3839.20	-1636.0<<	-23088.9	0.00	91.57	3.52	3.79	0.117
	113	48291.63	7835.13>>	870.9	-24780.1	7.52	48.22	1.89	7.73	0.143
	113	54938.80	2201.63<<	-35.3	3430.4	0.00	2.04	0.07	2.17	0.017
	113	53204.62	6657.26	1925.7>>	-4591.5	0.52	110.03	4.06	6.57	0.193
	113	49936.29	3576.70	-1636.6<<	-18986.7	0.00	91.60	3.52	3.53	0.114

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	113	53212.34	7935.16>>	713.2	-25907.4	5.98	40.75	1.50	7.83	0.141
	113	50225.14	2674.26<<	-24.6	3771.4	0.00	1.38	0.05	2.64	0.023
	113	53249.15	6790.38	1500.7>>	-5225.3	1.07	85.77	3.16	6.70	0.163
	113	50148.13	3960.72	-1239.7<<	-18249.9	0.00	69.48	2.66	3.91	0.093
	114	53200.59	7649.64>>	713.2	-16923.8	15.54	79.68	2.72	26.94	0.611
	114	50254.69	2404.02<<	-24.6	6675.2	0.00	2.69	0.10	8.47	0.104
	114	53237.00	6517.15	1497.2>>	2448.2	11.10	167.31	5.70	22.95	0.786
	114	50178.07	3678.19	-1239.7<<	-13873.0	0.63	135.67	4.82	12.95	0.502

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	114	43592.01	7179.20>>	713.2	-22126.2	16.70	74.36	2.91	25.28	0.550
	114	40646.10	1933.59<<	-24.6	1472.8	0.00	2.50	0.10	6.81	0.076
	114	43628.42	6046.72	1497.2>>	-2754.2	11.95	156.15	6.11	21.29	0.719
	114	40569.48	3207.75	-1239.7<<	-19075.4	0.74	126.21	5.19	11.30	0.453
	115	43578.31	6954.32>>	713.2	-13977.5	15.76	74.35	2.91	24.49	0.535
	115	40673.70	1723.99<<	-24.6	3559.4	0.00	2.50	0.10	6.07	0.066
	115	43614.33	5834.12	1493.7>>	4098.5	11.07	155.77	6.10	20.54	0.703
	115	40597.48	2985.86	-1239.7<<	-15529.9	0.00	126.24	5.18	10.51	0.440

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	115	38857.34	5199.89>>	569.5	-14779.1	9.78	57.17	2.42	18.31	0.371
	115	45424.21	429.79<<	-6.4	3568.3	0.00	0.68	0.03	1.51	0.012
	115	43643.77	4054.64	1093.2>>	3326.4	3.61	114.02	4.46	14.28	0.462
	115	40577.76	1727.56	-859.6<<	-14876.0	0.00	87.52	3.60	6.08	0.261
	116	38878.21	4975.67>>	569.5	-8945.7	8.80	57.18	2.42	17.52	0.358
	116	45403.34	219.51<<	-6.4	3959.5	0.00	0.68	0.03	0.77	0.005
	116	43622.89	3842.71	1089.7>>	7885.3	2.73	113.64	4.45	13.53	0.448
	116	40598.63	1503.34	-859.6<<	-13035.7	0.00	87.53	3.59	5.29	0.251

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	116	36588.25	5146.46>>	569.5	-12321.3	10.24	56.08	2.46	18.12	0.364
	116	43113.38	390.31<<	-6.4	583.9	0.00	0.67	0.03	1.37	0.010
	116	41332.93	4013.51	1089.7>>	4509.6	4.00	111.62	4.53	14.13	0.453
	116	38308.67	1674.13	-859.6<<	-16411.3	0.00	85.90	3.66	5.90	0.256
	117	36609.12	4922.24>>	569.5	-6549.6	9.24	56.09	2.46	17.33	0.350
	117	43092.51	180.04<<	-6.4	929.5	0.00	0.67	0.03	0.63	0.004
	117	41314.46	3786.30	1086.6>>	9065.7	3.04	111.28	4.52	13.33	0.439
	117	38324.76	1440.09	-860.0<<	-14613.6	0.00	85.94	3.66	5.07	0.245

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	117	36550.50	4574.92>>	470.8	-7338.1	7.71	46.35	2.04	16.11	0.305
	117	43090.05	228.05<<	1.6	887.2	0.00	0.17	0.01	0.80	0.005
	117	41287.68	3414.86	835.9>>	1360.9	1.46	85.60	3.48	12.02	0.343
	117	38289.42	1518.45	-659.5<<	-6642.4	0.00	65.89	2.81	5.35	0.193
	118	36571.38	4350.71>>	470.8	-2223.5	6.71	46.35	2.04	15.32	0.292
	118	43069.17	17.78<<	1.6	1046.2	0.00	0.17	0.01	0.06	0.000
	118	41266.81	3202.94	832.5>>	5183.8	0.56	85.23	3.46	11.28	0.330
	118	38310.30	1294.24	-659.5<<	-5042.7	0.00	65.90	2.81	4.56	0.183

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	118	36596.75	4532.99>>	470.8	-2231.6	7.52	46.36	2.04	15.96	0.303
	118	43094.55	200.06<<	1.6	1038.1	0.00	0.17	0.01	0.70	0.004
	118	41292.18	3385.22	832.5>>	5175.7	1.33	85.24	3.46	11.92	0.340
	118	38335.67	1476.51	-659.5<<	-5050.8	0.00	65.91	2.81	5.20	0.191
	119	36617.62	4308.77>>	470.8	2834.8	6.52	46.37	2.04	15.17	0.290
	119	43073.67	-10.22<<	1.6	1165.1	0.00	0.17	0.01	0.04	0.000
	119	41265.53	3160.68	829.7>>	8974.5	0.38	84.94	3.45	11.13	0.327
	119	38368.85	1243.88	-659.9<<	-3496.9	0.00	65.97	2.81	4.38	0.182

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	119	36650.22	3962.24>>	398.1	2005.8	4.97	39.23	1.72	13.95	0.252
	119	43087.02	38.10<<	11.9	1138.4	0.00	1.24	0.05	0.13	0.001
	119	36762.91	2862.33	661.8>>	8167.4	0.08	65.27	2.86	10.08	0.258
	119	42939.47	1232.20	-561.8<<	-2542.1	0.00	58.28	2.31	4.34	0.159
	120	36671.10	3738.03>>	398.1	6415.9	3.97	39.23	1.72	13.16	0.240
	120	43066.14	-172.17<<	11.9	1079.1	0.00	1.24	0.05	0.61	0.004
	120	36783.79	2650.41	658.3>>	11319.7	0.00	64.94	2.84	9.33	0.246
	120	42918.60	1007.99	-561.8<<	-1236.1	0.00	58.27	2.31	3.55	0.149

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	120	36692.78	3923.22>>	398.1	6402.3	4.79	39.24	1.72	13.81	0.250
	120	43087.82	13.03<<	11.9	1065.6	0.00	1.24	0.05	0.05	0.001
	120	36805.47	2835.60	658.3>>	11306.1	0.00	64.95	2.84	9.99	0.256
	120	42940.28	1193.18	-561.8<<	-1249.7	0.00	58.28	2.31	4.20	0.157
	121	36713.65	3699.00>>	398.1	10767.5	3.79	39.25	1.72	13.03	0.238
	121	43066.95	-197.24<<	11.9	977.4	0.00	1.24	0.05	0.69	0.005
	121	36813.89	2613.74	655.9>>	14408.7	0.00	64.71	2.83	9.20	0.244
	121	42945.12	961.88	-562.3<<	0.1	0.00	58.33	2.31	3.39	0.148

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	121	36763.52	3354.60>>	347.6	9942.3	2.25	34.28	1.50	11.81	0.207
	121	43086.79	-146.65<<	18.0	909.3	0.00	1.87	0.07	0.52	0.004
	121	36852.55	2334.33	539.3>>	12502.0	0.00	53.22	2.33	8.22	0.199
	121	42989.39	923.61	-508.5<<	1941.9	0.00	52.77	2.09	3.25	0.132
	122	36784.39	3130.38>>	347.6	13653.1	1.26	34.28	1.50	11.02	0.195
	122	43065.92	-356.92<<	18.0	637.2	0.00	1.87	0.07	1.26	0.010
	122	36873.42	2122.41	535.8>>	15046.6	0.00	52.89	2.31	7.47	0.188
	122	42968.52	699.39	-508.5<<	2892.5	0.00	52.76	2.09	2.46	0.124

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	122	36801.98	3315.33>>	347.6	13637.7	2.07	34.29	1.50	11.67	0.205
	122	43083.51	-171.97<<	18.0	621.8	0.00	1.87	0.07	0.61	0.005
	122	36891.02	2307.35	535.8>>	15031.2	0.00	52.90	2.31	8.12	0.197
	122	42986.11	884.34	-508.5<<	2877.1	0.00	52.77	2.09	3.11	0.131
	123	36822.86	3091.11>>	347.6	17303.9	1.08	34.29	1.50	10.88	0.193
	123	43062.63	-382.24<<	18.0	320.9	0.00	1.87	0.07	1.35	0.011
	123	36894.10	2088.19	533.6>>	17503.7	0.00	52.69	2.30	7.35	0.186
	123	43001.51	654.32	-509.3<<	3761.0	0.00	52.86	2.09	2.30	0.122

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	123	36861.76	2749.01>>	306.9	16433.1	0.00	30.29	1.32	9.68	0.166
	123	43070.16	-351.52<<	-213.9	2912.0	0.00	22.21	0.88	1.24	0.043
	123	36999.96	1042.90	478.1>>	6448.9	0.00	47.25	2.06	3.67	0.126
	123	42948.95	1378.24	-499.4<<	14837.6	0.00	51.81	2.05	4.85	0.149
	124	36882.63	2524.79>>	306.9	19448.0	0.00	30.30	1.32	8.89	0.154
	124	43049.29	-561.79<<	-213.9	2404.7	0.00	22.21	0.88	1.98	0.050
	124	37020.83	830.97	474.6>>	7508.9	0.00	46.91	2.04	2.93	0.117
	124	42928.07	1154.03	-499.4<<	16311.5	0.00	51.80	2.05	4.06	0.140

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	124	36896.42	2711.10>>	306.9	19433.2	0.00	30.30	1.32	9.55	0.164
	124	43063.08	-375.48<<	-213.9	2389.9	0.00	22.21	0.88	1.32	0.044
	124	37034.62	1017.28	474.6>>	7494.1	0.00	46.92	2.04	3.58	0.124
	124	42941.87	1340.34	-499.4<<	16296.7	0.00	51.81	2.05	4.72	0.148
	125	36917.30	2486.88>>	306.9	22404.4	0.00	30.30	1.32	8.76	0.153
	125	43042.21	-585.75<<	-213.9	1854.9	0.00	22.21	0.88	2.06	0.051
	125	37033.76	800.83	472.7>>	8466.5	0.00	46.73	2.04	2.82	0.115
	125	42965.08	1111.57	-500.4<<	17696.9	0.00	51.92	2.05	3.91	0.138

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^2 +(Td/Tul)^2
	125	36943.26	2146.48>>	274.2	21482.7	0.00	27.08	1.18	7.56	0.129
	125	43049.40	-570.55<<	-325.6	3785.1	0.00	33.80	1.34	2.01	0.075
	125	37101.98	529.36	436.0>>	6487.5	0.00	43.13	1.88	1.86	0.096
	125	42916.17	1057.02	-490.2<<	19654.2	0.00	50.84	2.01	3.72	0.133
	126	36964.13	1922.26>>	274.2	23804.7	0.00	27.09	1.18	6.77	0.118
	126	43028.53	-780.82<<	-325.6	3025.9	0.00	33.80	1.34	2.75	0.082
	126	37122.85	317.44	432.5>>	6956.8	0.00	42.79	1.86	1.12	0.089
	126	42895.29	832.80	-490.2<<	20758.6	0.00	50.84	2.01	2.93	0.124

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^2 +(Td/Tul)^2
	126	36973.58	2110.02>>	274.2	23793.2	0.00	27.09	1.18	7.43	0.127
	126	43037.98	-593.06<<	-325.6	3014.4	0.00	33.80	1.34	2.09	0.075
	126	37132.30	505.19	432.5>>	6945.3	0.00	42.79	1.86	1.78	0.095
	126	42904.74	1020.56	-490.2<<	20747.2	0.00	50.84	2.01	3.59	0.132
	127	36994.45	1885.80>>	274.2	26072.9	0.00	27.10	1.18	6.64	0.116
	127	43017.11	-803.33<<	-325.6	2228.9	0.00	33.79	1.34	2.83	0.083
	127	37129.02	291.44	430.9>>	7318.5	0.00	42.63	1.85	1.03	0.088
	127	42932.78	793.02	-491.4<<	21774.2	0.00	50.98	2.02	2.79	0.123

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^2 +(Td/Tul)^2
	127	37009.43	1547.03>>	246.5	25097.8	0.00	24.36	1.06	5.45	0.095
	127	43021.08	-799.64<<	-316.9	3011.2	0.00	32.90	1.30	2.82	0.081
	127	37187.88	51.66	425.1>>	218.2	0.00	42.07	1.83	0.18	0.080
	127	42868.53	702.25	-497.8<<	28785.0	0.00	51.62	2.04	2.47	0.121
	128	37030.30	1322.81>>	246.5	26730.4	0.00	24.37	1.06	4.66	0.085
	128	43000.21	-1009.91<<	-316.9	1988.4	0.00	32.89	1.30	3.56	0.090
	128	37208.75	-160.26	421.6>>	138.2	0.00	41.74	1.81	0.56	0.082
	128	42847.66	478.03	-497.8<<	29481.5	0.00	51.61	2.04	1.68	0.113

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^2 +(Td/Tul)^2
	128	37035.56	1510.37>>	246.5	26723.5	0.00	24.37	1.06	5.32	0.093
	128	43005.46	-822.35<<	-316.9	1981.5	0.00	32.89	1.30	2.90	0.082
	128	37214.00	27.30	421.6>>	131.3	0.00	41.74	1.81	0.10	0.079
	128	42852.91	665.59	-497.8<<	29474.5	0.00	51.61	2.04	2.34	0.120
	129	37056.43	1286.16>>	246.5	28313.8	0.00	24.37	1.06	4.53	0.084
	129	43009.51	-1033.50<<	-318.9	1004.7	0.00	33.10	1.31	3.64	0.091
	129	37209.95	-183.75	420.1>>	-48.8	0.00	41.59	1.81	0.65	0.082
	129	42882.55	439.28	-499.3<<	30091.2	0.00	51.78	2.05	1.55	0.112

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	129	37060.89	951.06>>	223.4	27229.5	0.00	22.09	0.96	3.35	0.065
	129	43009.01	-1030.00<<	-296.5	1805.7	0.00	30.77	1.22	3.63	0.086
	129	38850.01	-114.15	446.2>>	-2562.6	0.00	44.79	1.89	0.40	0.087
	129	41220.95	38.08	-526.2<<	32426.7	0.00	53.85	2.19	0.13	0.107
	130	37110.26	727.97>>	229.1	26644.3	0.00	22.66	0.99	2.56	0.058
	130	42984.38	-1242.02<<	-305.3	1940.1	0.00	31.68	1.25	4.37	0.097
	130	38870.88	-326.08	442.8>>	-2833.5	0.00	44.45	1.88	1.15	0.092
	130	41200.07	-186.13	-526.2<<	32359.1	0.00	53.84	2.19	0.66	0.110

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	130	37110.41	911.06>>	229.1	26643.8	0.00	22.66	0.99	3.21	0.065
	130	42984.53	-1058.93<<	-305.3	1939.6	0.00	31.68	1.25	3.73	0.089
	130	38871.02	-142.99	442.8>>	-2833.9	0.00	44.45	1.88	0.50	0.087
	130	41200.22	-3.05	-526.2<<	32358.6	0.00	53.84	2.19	0.01	0.106
	131	37131.28	700.79>>	229.1	27553.2	0.00	22.67	0.99	2.47	0.057
	131	42963.65	-1283.15<<	-308.8	610.8	0.00	32.04	1.27	4.52	0.099
	131	38867.89	-351.34	441.4>>	-3207.4	0.00	44.31	1.87	1.24	0.093
	131	41228.10	-228.14	-527.9<<	32206.8	0.00	54.03	2.20	0.80	0.112

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	131	37217.77	624.46>>	337.2	6515.6	0.00	33.38	1.45	2.20	0.077
	131	42820.14	-1556.06<<	-415.0	21308.1	0.00	43.01	1.70	5.48	0.136
	131	38882.06	-372.29	479.0>>	-3883.2	0.00	48.10	2.03	1.31	0.103
	131	41178.73	-560.58	-558.5<<	32607.0	0.00	57.13	2.32	1.97	0.130
	132	37238.65	414.19>>	337.2	7095.2	0.00	33.39	1.45	1.46	0.070
	132	42799.27	-1780.28<<	-415.0	19407.4	0.00	43.00	1.71	6.27	0.147
	132	41157.85	-784.79	-558.5<<	31851.2	0.00	57.12	2.32	2.76	0.138

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	132	38902.93	-584.21	475.6>>	-4450.8	0.00	47.76	2.02	2.06	0.109
	132	37233.96	591.96>>	337.2	7100.8	0.00	33.38	1.45	2.08	0.076
	132	42794.58	-1602.51<<	-415.0	19412.9	0.00	43.00	1.71	5.64	0.139
	132	38898.24	-406.45	475.6>>	-4445.3	0.00	47.76	2.02	1.43	0.103
	132	41153.17	-607.02	-558.5<<	31856.7	0.00	57.12	2.32	2.14	0.132
	133	37254.83	381.69>>	337.2	7643.0	0.00	33.39	1.45	1.34	0.069
	133	42773.71	-1826.73<<	-415.0	17458.8	0.00	42.99	1.71	6.43	0.149
	133	38897.75	-612.11	474.3>>	-5113.4	0.00	47.63	2.01	2.16	0.109
	133	41175.84	-830.90	-560.5<<	31013.3	0.00	57.34	2.33	2.93	0.141

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	133	37251.05	372.50>>	335.7	6674.4	0.00	33.24	1.44	1.31	0.068
	133	42764.56	-2167.53<<	-409.7	17951.7	0.00	42.44	1.68	7.63	0.165
	133	38913.54	-759.09	518.7>>	-3750.3	0.00	52.10	2.20	2.67	0.126
	133	41121.34	-1041.07	-593.7<<	29262.1	0.00	60.71	2.47	3.67	0.158
	134	37271.92	162.23>>	335.7	6964.5	0.00	33.25	1.44	0.57	0.062
	134	42743.69	-2391.75<<	-409.7	15348.1	0.00	42.43	1.68	8.42	0.176
	134	38934.42	-983.31	515.3>>	-4769.5	0.00	51.76	2.18	3.46	0.134
	134	41100.46	-1252.99	-593.7<<	27961.0	0.00	60.70	2.47	4.41	0.167

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	134	43676.65	339.61>>	335.7	10698.9	0.00	35.02	1.37	1.20	0.069
	134	49148.41	-2214.36<<	-409.7	19082.5	0.00	44.51	1.61	7.80	0.172
	134	45339.14	-805.92	515.3>>	-1035.1	0.00	54.44	2.08	2.84	0.131
	134	47505.19	-1075.60	-593.7<<	31695.4	0.00	63.74	2.35	3.79	0.164
	135	43697.52	129.34>>	335.7	10950.9	0.00	35.02	1.37	0.46	0.064
	135	49127.54	-2438.58<<	-409.7	16424.7	0.00	44.50	1.61	8.59	0.184
	135	45343.04	-1021.21	514.0>>	-2155.2	0.00	54.31	2.07	3.60	0.139
	135	47519.12	-1285.96	-595.9<<	30326.0	0.00	63.98	2.36	4.53	0.174

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	135	43733.70	124.82>>	333.3	9968.8	0.00	34.78	1.36	0.44	0.063
	135	49166.88	-2776.67<<	-391.2	16882.7	0.00	42.50	1.53	9.78	0.198
	135	45381.93	-1031.27	575.2>>	-3019.8	0.00	60.79	2.32	3.63	0.156
	135	47544.25	-1618.52	-633.4<<	30655.3	0.00	68.02	2.51	5.70	0.200
	136	43754.57	-85.45>>	333.3	9973.9	0.00	34.79	1.36	0.30	0.062
	136	49146.01	-3000.89<<	-391.2	13578.5	0.00	42.50	1.53	10.57	0.210
	136	47523.38	-1828.79	-633.4<<	28690.9	0.00	68.01	2.51	6.44	0.210

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	136	43754.47	90.41>>	333.3	9994.3	0.00	34.79	1.36	0.32	0.062
	136	49145.91	-2825.03<<	-391.2	13598.9	0.00	42.50	1.53	9.95	0.201
	136	45402.71	-1079.63	571.7>>	-4331.8	0.00	60.43	2.30	3.80	0.157
	136	47523.28	-1652.93	-633.4<<	28711.3	0.00	68.01	2.51	5.82	0.201
	137	43775.36	-119.87>>	333.3	9959.7	0.00	34.80	1.36	0.42	0.063
	137	49125.03	-3049.25<<	-391.2	10238.9	0.00	42.49	1.53	10.74	0.213
	137	45401.21	-1306.65	570.7>>	-5700.5	0.00	60.33	2.30	4.60	0.167
	137	47513.16	-1874.79	-635.6<<	26733.2	0.00	68.25	2.52	6.60	0.213

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	137	43800.18	-114.63>>	224.1	7987.1	0.00	23.41	0.91	0.40	0.039
	137	49140.46	-3385.79<<	-361.5	10638.0	0.00	39.27	1.42	11.92	0.225
	137	45413.17	-1267.46	648.0>>	-5963.0	0.00	68.50	2.61	4.46	0.186
	137	47515.30	-2236.99	-680.4<<	26329.5	0.00	73.06	2.70	7.88	0.244
	138	43821.05	-324.90>>	224.1	7717.0	0.00	23.41	0.91	1.14	0.045
	138	49119.58	-3610.01<<	-361.5	6633.5	0.58	39.26	1.42	12.71	0.238
	138	45434.04	-1491.68	644.5>>	-7566.8	0.00	68.15	2.60	5.25	0.195
	138	47494.43	-2447.26	-680.4<<	23654.1	0.00	73.05	2.70	8.62	0.255

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	138	43817.31	-149.58>>	224.1	7737.4	0.00	23.41	0.91	0.53	0.040
	138	49115.84	-3434.69<<	-361.5	6653.8	0.00	39.26	1.42	12.09	0.228
	138	45430.30	-1316.36	644.5>>	-7546.5	0.00	68.14	2.60	4.64	0.187
	138	47490.69	-2271.94	-680.4<<	23674.4	0.00	73.05	2.70	8.00	0.246
	139	43838.18	-359.85>>	224.1	7426.3	0.00	23.41	0.91	1.27	0.046
	139	49094.97	-3658.91<<	-361.5	2592.2	0.78	39.26	1.42	12.88	0.241
	139	45445.02	-1544.65	643.8>>	-9199.5	0.00	68.07	2.59	5.44	0.197
	139	47472.50	-2496.44	-682.7<<	20957.2	0.00	73.28	2.71	8.79	0.258

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^á +(Td/Tul)^á
	139	43869.78	-336.38>>	25.0	5096.2	0.00	2.61	0.10	1.18	0.011
	139	49111.54	-3994.38<<	-330.1	2990.1	2.12	35.85	1.29	14.07	0.254
	139	45429.41	-1531.00	749.9>>	-10276.9	0.00	79.29	3.02	5.39	0.226
	139	47484.94	-2818.79	-746.0<<	21209.9	0.00	80.08	2.96	9.93	0.293
	140	43890.65	-546.65>>	25.0	4570.9	0.00	2.61	0.10	1.92	0.018
	140	49090.67	-4218.60<<	-330.1	-1714.5	3.03	35.85	1.29	14.86	0.268
	140	45450.29	-1755.22	746.5>>	-12184.0	0.00	78.94	3.01	6.18	0.236
	140	47464.07	-3029.06	-746.0<<	17865.2	0.00	80.07	2.96	10.67	0.305

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	140	43883.12	-371.57>>	25.0	4588.2	0.00	2.61	0.10	1.31	0.012
	140	49083.13	-4043.52<<	-330.1	-1697.2	2.33	35.85	1.29	14.24	0.257
	140	45442.75	-1580.14	746.5>>	-12166.7	0.00	78.93	3.01	5.56	0.228
	140	47456.54	-2853.98	-746.0<<	17882.5	0.00	80.07	2.96	10.05	0.295
	141	43903.99	-581.84>>	25.0	4022.2	0.00	2.61	0.10	2.05	0.019
	141	49062.26	-4267.73<<	-330.1	-6458.6	3.23	35.84	1.29	15.03	0.271
	141	45477.12	-1809.73	745.9>>	-14137.3	0.00	78.89	3.00	6.37	0.238
	141	47428.58	-3081.07	-748.1<<	14463.4	0.00	80.28	2.97	10.85	0.309

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^. +(Td/Tu1)^.
	141	43905.37	-541.46>>	36.7	3985.3	0.00	3.84	0.15	1.91	0.019
	141	49052.91	-4601.03<<	-289.2	-6150.5	4.58	31.40	1.13	16.20	0.282
	141	45419.08	-1801.39	900.5>>	-15016.0	0.00	95.20	3.63	6.34	0.283
	141	47430.56	-3395.90	-842.8<<	14696.0	0.06	90.44	3.34	11.96	0.354
	142	43926.24	-751.73>>	36.7	3224.0	0.00	3.84	0.15	2.65	0.027
	142	49032.04	-4825.25<<	-289.2	-11553.0	5.48	31.39	1.13	16.99	0.296
	142	45439.96	-2025.60	897.0>>	-17234.3	0.00	94.85	3.61	7.13	0.293
	142	47409.69	-3606.17	-842.8<<	10687.4	0.92	90.42	3.34	12.70	0.366

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^. +(Td/Tul)^.
	142	43870.36	-585.80>>	36.7	3254.3	0.00	3.84	0.15	2.06	0.020
	142	48976.16	-4659.32<<	-289.2	-11522.7	4.83	31.38	1.13	16.41	0.286
	142	45384.08	-1859.68	897.0>>	-17204.0	0.00	94.81	3.61	6.55	0.285
	142	47353.81	-3440.24	-842.8<<	10717.7	0.26	90.38	3.35	12.11	0.357
	143	43891.23	-796.07>>	36.7	2441.9	0.00	3.84	0.15	2.80	0.028
	143	48955.29	-4883.54<<	-289.2	-16992.3	5.73	31.37	1.14	17.20	0.300
	143	45439.99	-2090.61	896.6>>	-19513.8	0.00	94.80	3.61	7.36	0.296
	143	47315.05	-3669.91	-844.7<<	6585.8	1.20	90.57	3.35	12.92	0.371

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^. +(Td/Tul)^.
	143	43797.69	-766.11>>	50.8	2411.3	0.00	5.30	0.21	2.70	0.029
	143	48776.19	-5224.14<<	-254.8	-16701.3	7.15	27.60	1.00	18.40	0.314
	143	45229.44	-2082.97	1151.3>>	-20797.6	0.00	121.55	4.64	7.33	0.374
	143	47181.16	-3989.29	-1005.0<<	6821.8	2.53	107.65	4.00	14.05	0.438
	144	43818.57	-976.38>>	50.8	1391.9	0.00	5.30	0.21	3.44	0.037
	144	48755.32	-5448.35<<	-254.8	-22820.1	8.06	27.60	1.00	19.19	0.328
	144	45250.32	-2307.19	1147.8>>	-23339.4	0.00	121.20	4.63	8.12	0.385
	144	47160.29	-4199.56	-1005.0<<	2131.1	3.39	107.63	4.00	14.79	0.451

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vul)^. +(Td/Tul)^.
	144	43740.86	-817.70>>	50.8	1394.5	0.00	5.30	0.21	2.88	0.031
	144	48677.62	-5289.67<<	-254.8	-22817.4	7.44	27.58	1.00	18.63	0.318
	144	45172.61	-2148.51	1147.8>>	-23336.8	0.00	121.13	4.63	7.57	0.377
	144	47082.58	-4040.88	-1005.0<<	2133.8	2.76	107.57	4.00	14.23	0.441
	145	43761.73	-1027.98>>	50.8	315.4	0.00	5.30	0.21	3.62	0.040
	145	48656.74	-5513.89<<	-254.8	-29012.0	8.35	27.58	1.00	19.42	0.333
	145	45248.16	-2380.81	1147.5>>	-25999.7	0.00	121.16	4.63	8.38	0.388
	145	47033.64	-4273.12	-1006.7<<	-2733.4	3.72	107.72	4.01	15.05	0.456

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	145	43557.75	-2397.35>>	70.5	251.2	0.00	7.35	0.29	8.44	0.107
	145	48045.28	-7409.33<<	-253.2	-28769.2	16.18	27.29	1.00	26.09	0.461
	145	44819.60	-3789.79	1582.0>>	-26604.7	2.24	166.50	6.40	13.35	0.610
	145	46553.80	-6111.91	-1311.2<<	-2539.9	11.35	139.79	5.24	21.52	0.670
	146	43571.90	-2608.29>>	70.5	-2646.5	0.00	7.35	0.29	9.18	0.118
	146	48017.23	-7632.88<<	-253.2	-37405.5	17.09	27.28	1.00	26.88	0.477
	146	44898.69	-4026.15	1578.7>>	-31173.3	3.20	166.25	6.38	14.18	0.624
	146	46526.20	-6321.52	-1311.2<<	-9675.4	12.22	139.76	5.24	22.26	0.685

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	146	54255.83	-2505.48>>	70.5	2439.0	0.00	7.93	0.27	8.82	0.119
	146	58701.17	-7530.08<<	-253.2	-32320.0	13.50	29.31	0.93	26.52	0.494
	146	55582.62	-3923.35	1578.7>>	-26087.8	0.51	179.18	5.92	13.82	0.650
	146	57210.13	-6218.71	-1311.2<<	-4589.9	8.92	150.38	4.87	21.90	0.713
	147	54268.03	-2777.05>>	70.5	-617.5	0.00	4.05	0.15	2.74	0.025
	147	58671.18	-7814.26<<	-253.2	-41129.6	3.42	14.95	0.52	7.71	0.123
	147	55594.38	-4208.86	1578.7>>	-30783.7	0.00	91.53	3.28	4.16	0.122
	147	57145.22	-6512.44	-1312.8<<	-12047.4	0.00	76.82	2.70	6.43	0.148

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	147	54537.46	-2141.75>>	91.7	-563.8	0.00	5.28	0.19	2.11	0.017
	147	59266.03	-7424.61<<	-260.2	-40757.5	1.60	15.41	0.53	7.33	0.115
	147	55981.36	-3555.38	2022.8>>	-31312.3	0.00	117.54	4.19	3.51	0.147
	147	57669.50	-6119.72	-1604.1<<	-11652.4	0.00	94.15	3.29	6.04	0.161
	148	54558.33	-2412.65>>	91.7	-3200.4	0.00	5.28	0.19	2.38	0.021
	148	59245.16	-7709.46<<	-260.2	-49442.1	2.78	15.41	0.53	7.61	0.121
	148	57648.62	-6390.63	-1604.1<<	-18828.2	0.00	94.14	3.29	6.31	0.166

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	148	54742.79	-3808.17>>	91.7	-3030.7	0.00	5.29	0.19	3.76	0.040
	148	59429.61	-9104.97<<	-260.2	-49272.3	8.46	15.43	0.53	8.99	0.155
	148	56186.68	-5235.74	2019.3>>	-35412.8	0.00	117.49	4.18	5.17	0.175
	148	57833.07	-7786.14	-1604.1<<	-18658.5	3.61	94.24	3.29	7.69	0.196
	149	54763.66	-4079.07>>	91.7	-7583.6	0.00	5.29	0.19	4.03	0.045
	149	59408.74	-9389.82<<	-260.2	-59889.2	9.64	15.43	0.53	9.27	0.162
	149	56268.83	-5531.40	2017.6>>	-41716.7	0.00	117.45	4.17	5.46	0.181
	149	57780.60	-8084.20	-1604.3<<	-27971.9	4.86	94.22	3.29	7.98	0.203

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	149	55470.36	10798.07>>	893.1	-59775.6	17.17	51.74	1.86	10.66	0.223
	149	59279.58	5450.83<<	17.9	-7644.1	0.00	1.06	0.04	5.38	0.069
	149	58822.35	10023.08	1962.8>>	-41895.0	12.49	115.98	4.00	9.89	0.280
	149	55811.41	6284.61	-1578.6<<	-27576.7	0.00	91.64	3.27	6.20	0.161
	150	55491.23	10513.22>>	893.1	-47539.3	15.96	51.74	1.86	10.38	0.215
	150	59258.71	5179.93<<	17.9	-1513.8	0.00	1.06	0.04	5.11	0.064
	150	58801.48	9750.52	1959.4>>	-30507.5	11.37	115.76	3.99	9.63	0.273
	150	55832.28	6001.41	-1578.6<<	-20530.0	0.00	91.65	3.27	5.92	0.155

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	150	55666.71	9561.49>>	893.1	-47397.2	11.88	51.80	1.85	9.44	0.191
	150	59434.19	4228.20<<	17.9	-1371.7	0.00	1.06	0.04	4.17	0.047
	150	58976.95	8798.79	1959.4>>	-30365.4	7.37	115.88	3.99	8.69	0.250
	150	56007.76	5049.68	-1578.6<<	-20387.9	0.00	91.75	3.27	4.99	0.137
	151	55687.58	9276.64>>	893.1	-36582.7	10.67	51.81	1.85	9.16	0.184
	151	59413.31	3957.30<<	17.9	3352.9	0.00	1.06	0.04	3.91	0.043
	151	58993.10	8540.42	1957.2>>	-20457.1	6.30	115.76	3.98	8.43	0.243
	151	56009.57	4792.39	-1578.7<<	-14916.6	0.00	91.75	3.27	4.73	0.132

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	151	58990.98	9579.72>>	713.5	-37519.7	10.59	42.20	1.45	9.46	0.185
	151	56253.15	4724.41<<	0.1	3468.9	0.00	0.00	0.00	4.66	0.055
	151	59016.82	8919.35	1507.5>>	-21125.9	7.85	89.18	3.07	8.81	0.217
	151	56194.01	5465.08	-1204.4<<	-14418.5	0.00	70.08	2.49	5.40	0.119
	152	58979.22	9294.20>>	713.5	-26644.0	20.06	82.75	2.62	32.73	0.755
	152	56282.69	4454.17<<	0.1	8731.6	2.40	0.01	0.00	15.68	0.228
	152	56223.99	5180.90	-1204.4<<	-8311.7	5.20	137.26	4.50	18.24	0.601

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	152	48092.77	8497.54>>	713.5	-31863.7	20.57	76.93	2.82	29.92	0.658
	152	45396.24	3657.51<<	0.1	3511.9	1.56	0.01	0.00	12.88	0.169
	152	48118.22	7849.46	1504.1>>	-16222.6	17.94	162.20	5.94	27.64	0.863
	152	45337.54	4384.23	-1204.4<<	-13531.3	4.58	127.25	4.85	15.44	0.521
	153	48079.08	8272.65>>	713.5	-22198.1	19.66	76.92	2.82	29.13	0.641
	153	45423.84	3447.91<<	0.1	7582.1	0.69	0.01	0.00	12.14	0.157
	153	48104.13	7636.87	1500.6>>	-7295.6	17.08	161.81	5.93	26.89	0.846
	153	45365.59	4160.68	-1204.4<<	-8633.0	3.65	127.28	4.85	14.65	0.508

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	153	44978.38	6412.91>>	567.4	-22947.2	13.06	59.79	2.29	22.58	0.462
	153	48642.25	1938.19<<	-8.5	7590.5	0.00	0.92	0.03	6.83	0.078
	153	48195.10	5704.96	1077.6>>	-8106.3	9.24	116.27	4.25	20.09	0.572
	153	45358.29	2711.42	-844.6<<	-7893.1	0.00	89.25	3.40	9.55	0.313
	154	44999.25	6188.69>>	567.4	-15718.8	12.13	59.80	2.29	21.79	0.447
	154	48621.38	1727.92<<	-8.5	9716.3	0.00	0.92	0.03	6.08	0.067
	154	48174.22	5493.03	1074.1>>	-1649.6	8.39	115.88	4.24	19.34	0.557
	154	45379.16	2487.20	-844.6<<	-4921.5	0.00	89.26	3.40	8.76	0.301

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	154	46793.79	6346.02>>	567.4	-18641.3	12.24	60.61	2.26	22.35	0.462
	154	50415.92	1885.24<<	-8.5	6793.9	0.00	0.94	0.03	6.64	0.076
	154	49968.76	5650.36	1074.1>>	-4572.1	8.55	117.37	4.19	19.90	0.572
	154	47173.70	2644.53	-844.6<<	-7844.0	0.00	90.46	3.36	9.31	0.312
	155	46814.66	6121.80>>	567.4	-11490.2	11.32	60.62	2.26	21.56	0.446
	155	50395.05	1674.97<<	-8.5	8858.5	0.00	0.94	0.03	5.90	0.065
	155	49940.31	5418.06	1070.7>>	1865.5	7.63	116.97	4.17	19.08	0.556
	155	47194.57	2420.31	-844.6<<	-4949.6	0.00	90.47	3.36	8.52	0.300

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	155	46749.44	5765.51>>	455.8	-12276.1	9.88	48.66	1.82	20.30	0.394
	155	50392.41	1706.21<<	-24.8	8790.8	0.00	2.72	0.10	6.01	0.069
	155	49925.45	5093.41	799.5>>	1059.2	6.34	87.34	3.12	17.94	0.451
	155	47147.55	2431.45	-659.7<<	-3909.9	0.00	70.64	2.62	8.56	0.248
	156	46770.31	5541.29>>	455.8	-5792.2	8.96	48.67	1.82	19.51	0.379
	156	50371.54	1495.94<<	-24.8	10649.9	0.00	2.72	0.10	5.27	0.059
	156	49904.58	4881.49	796.1>>	6812.7	5.50	86.95	3.10	17.19	0.436
	156	47168.42	2207.23	-659.7<<	-1260.1	0.00	70.65	2.62	7.77	0.236

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	156	46795.95	5712.29>>	455.8	-5797.5	9.65	48.68	1.82	20.11	0.390
	156	50397.18	1666.93<<	-24.8	10644.5	0.00	2.72	0.10	5.87	0.067
	156	49930.22	5052.49	796.1>>	6807.4	6.17	86.96	3.10	17.79	0.447
	156	47194.06	2378.23	-659.7<<	-1265.4	0.00	70.67	2.62	8.37	0.245
	157	46816.82	5488.07>>	455.8	625.0	8.73	48.69	1.82	19.33	0.375
	157	50376.31	1456.66<<	-24.8	12458.3	0.00	2.72	0.10	5.13	0.057
	157	49892.37	4822.87	793.1>>	12510.9	5.27	86.61	3.09	16.98	0.431
	157	47214.94	2154.01	-659.7<<	1322.9	0.00	70.68	2.62	7.58	0.233

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	157	46843.56	5132.49>>	372.4	-174.8	7.27	39.79	1.48	18.07	0.332
	157	50363.56	1476.37<<	-222.6	12942.5	0.00	24.39	0.87	5.20	0.093
	157	49949.67	4280.96	607.4>>	18565.1	3.09	66.37	2.37	15.07	0.344
	157	47250.25	2366.93	-577.8<<	-4569.2	0.00	61.92	2.30	8.33	0.222
	158	46864.43	4908.27>>	372.4	5581.0	6.35	39.80	1.48	17.28	0.318
	158	50342.68	1266.10<<	-222.6	14537.2	0.00	24.39	0.87	4.46	0.083
	158	49928.80	4069.03	604.0>>	23384.1	2.25	65.98	2.35	14.33	0.330
	158	47271.13	2142.72	-577.8<<	-1993.8	0.00	61.93	2.30	7.55	0.210

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	158	46886.93	5081.43>>	372.4	5569.5	7.05	39.80	1.48	17.89	0.329
	158	50365.18	1439.26<<	-222.6	14525.6	0.00	24.39	0.87	5.07	0.091
	158	49951.30	4242.19	604.0>>	23372.5	2.93	65.99	2.35	14.94	0.341
	158	47293.63	2315.88	-577.8<<	-2005.3	0.00	61.94	2.30	8.15	0.219
	159	46907.80	4857.21>>	372.4	11266.4	6.13	39.81	1.48	17.10	0.315
	159	50344.31	1228.99<<	-222.6	16077.4	0.00	24.39	0.87	4.33	0.081
	159	49905.58	4015.28	601.4>>	28103.6	2.04	65.68	2.34	14.14	0.326
	159	47314.50	2091.66	-577.8<<	511.2	0.00	61.95	2.29	7.37	0.208

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	159	46955.26	4502.21>>	307.4	10459.2	4.67	32.88	1.22	15.85	0.277
	159	50346.78	1240.30<<	-340.5	16935.7	0.00	37.31	1.32	4.37	0.109
	159	49970.91	2638.48	469.3>>	17339.5	0.00	51.28	1.83	9.29	0.211
	159	47373.99	3131.11	-542.7<<	11357.6	0.00	58.21	2.15	11.03	0.254
	160	47010.58	4277.99>>	307.4	15461.0	3.74	32.89	1.22	15.06	0.263
	160	50291.46	1030.03<<	-340.5	18287.6	0.00	37.29	1.32	3.63	0.099
	160	49915.59	2426.55	465.8>>	20298.3	0.00	50.88	1.82	8.54	0.198
	160	47429.31	2906.89	-542.7<<	14782.6	0.00	58.23	2.15	10.24	0.242

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^ +(Td/Tu1)^
	160	47060.92	4448.76>>	307.4	15422.2	4.43	32.90	1.22	15.67	0.274
	160	50341.79	1200.79<<	-340.5	18248.8	0.00	37.31	1.32	4.23	0.107
	160	49965.93	2597.32	465.8>>	20259.5	0.00	50.90	1.82	9.15	0.208
	160	47479.65	3077.66	-542.7<<	14743.8	0.00	58.25	2.15	10.84	0.252
	161	47116.24	4224.54>>	307.4	20362.7	3.50	32.92	1.22	14.88	0.260
	161	50286.47	990.52<<	-340.5	19555.4	0.00	37.29	1.32	3.49	0.098
	161	49879.21	2373.12	463.6>>	23093.8	0.00	50.63	1.81	8.36	0.195
	161	47600.69	2845.88	-542.9<<	18074.6	0.00	58.33	2.15	10.02	0.239

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	161	47219.59	3864.42>>	254.1	19423.1	2.01	27.22	1.01	13.61	0.227
	161	50383.95	986.33<<	-367.7	20389.1	0.00	40.30	1.43	3.47	0.104
	161	50007.76	2254.91	396.9>>	22422.5	0.00	43.38	1.55	7.94	0.172
	161	47640.78	2617.94	-553.5<<	18764.1	0.00	59.49	2.19	9.22	0.229
	162	47274.91	3640.21>>	254.1	23691.7	1.09	27.24	1.01	12.82	0.214
	162	50328.63	776.05<<	-367.7	21449.1	0.00	40.28	1.43	2.73	0.095
	162	49952.44	2042.98	393.4>>	24940.4	0.00	42.99	1.53	7.19	0.160
	162	47696.10	2393.73	-553.5<<	21599.2	0.00	59.51	2.19	8.43	0.217

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	162	47353.80	3811.44>>	254.1	23614.9	1.77	27.25	1.01	13.42	0.224
	162	50407.52	947.29<<	-367.7	21372.3	0.00	40.30	1.43	3.34	0.102
	162	50031.33	2214.21	393.4>>	24863.6	0.00	43.01	1.53	7.80	0.169
	162	47774.99	2564.96	-553.5<<	21522.4	0.00	59.55	2.19	9.03	0.227
	163	47409.12	3587.22>>	254.1	27822.4	0.84	27.26	1.01	12.63	0.211
	163	50352.20	737.01<<	-367.7	22387.2	0.00	40.29	1.43	2.60	0.094
	163	49939.45	1992.74	391.6>>	27229.4	0.00	42.79	1.53	7.02	0.157
	163	47906.44	2334.41	-554.0<<	24251.5	0.00	59.66	2.19	8.22	0.215

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	163	47497.21	3231.70>>	213.3	26849.1	0.00	22.90	0.85	11.38	0.181
	163	50442.85	733.47<<	-430.8	23666.4	0.00	47.23	1.67	2.58	0.109
	163	50064.46	1875.72	337.3>>	26461.9	0.00	36.88	1.31	6.61	0.138
	163	47917.32	2107.88	-558.1<<	24995.7	0.00	60.10	2.21	7.42	0.204
	164	47552.53	3007.48>>	213.3	30390.1	0.00	22.91	0.85	10.59	0.169
	164	50387.53	523.20<<	-430.8	24435.7	0.00	47.21	1.67	1.84	0.101
	164	47972.64	1883.66	-558.1<<	27244.4	0.00	60.12	2.21	6.63	0.193

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	164	47627.83	3181.14>>	213.3	30305.1	0.00	22.92	0.85	11.20	0.179
	164	50462.83	696.86<<	-430.8	24350.6	0.00	47.24	1.67	2.45	0.108
	164	50084.45	1837.45	333.8>>	28458.8	0.00	36.51	1.30	6.47	0.135
	164	48047.94	2057.32	-558.1<<	27159.3	0.00	60.15	2.20	7.24	0.201
	165	47683.16	2956.92>>	213.3	33787.9	0.00	22.93	0.84	10.41	0.166
	165	50407.51	486.58<<	-430.8	25077.8	0.00	47.22	1.67	1.71	0.100
	165	49988.94	1618.71	332.3>>	30369.9	0.00	36.32	1.29	5.70	0.124
	165	48186.81	1827.99	-558.9<<	29295.5	0.00	60.30	2.21	6.44	0.190

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	165	47761.56	2604.78>>	181.2	32734.1	0.00	19.49	0.72	9.17	0.140
	165	50482.88	483.66<<	-446.9	25843.2	0.00	49.01	1.74	1.70	0.104
	165	50096.93	1296.62	297.5>>	22478.3	0.00	32.54	1.16	4.57	0.101
	165	48190.13	1806.97	-566.5<<	37087.6	0.00	61.12	2.24	6.36	0.191
	166	47816.88	2380.56>>	181.2	35554.1	0.00	19.50	0.72	8.38	0.128
	166	50427.56	273.39<<	-446.9	26325.1	0.00	48.99	1.74	0.96	0.097
	166	50041.61	1084.70	294.0>>	23894.2	0.00	32.14	1.15	3.82	0.091
	166	48245.45	1582.75	-566.5<<	38990.1	0.00	61.14	2.23	5.57	0.181

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	166	47888.97	2558.40>>	181.2	35465.1	0.00	19.51	0.72	9.01	0.138
	166	50499.65	451.23<<	-446.9	26236.1	0.00	49.02	1.74	1.59	0.103
	166	50113.71	1262.53	294.0>>	23805.2	0.00	32.16	1.14	4.45	0.099
	166	48317.55	1760.59	-566.5<<	38901.1	0.00	61.18	2.23	6.20	0.189
	167	47944.30	2334.18>>	181.2	38231.8	0.00	19.52	0.72	8.22	0.126
	167	50444.33	240.96<<	-446.9	26680.8	0.00	49.00	1.74	0.85	0.096
	167	50016.20	1046.52	292.9>>	25039.9	0.00	32.01	1.14	3.69	0.089
	167	48460.62	1532.46	-567.6<<	40689.5	0.00	61.36	2.24	5.40	0.179

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	167	48016.72	1986.59>>	158.9	37027.2	0.00	17.12	0.63	7.00	0.104
	167	50514.27	239.48<<	-459.7	27467.6	0.00	50.42	1.78	0.84	0.099
	167	50116.53	1152.86	292.9>>	21746.1	0.00	32.04	1.14	4.06	0.093
	167	48457.47	1088.16	-597.0<<	43633.3	0.00	64.54	2.35	3.83	0.167
	168	48072.04	1762.37>>	158.9	39136.1	0.00	17.13	0.63	6.21	0.093
	168	50458.94	29.21<<	-459.7	27668.6	0.00	50.40	1.79	0.10	0.094
	168	48512.79	863.94	-597.0<<	44708.9	0.00	64.57	2.35	3.04	0.157

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	168	48140.43	1942.81>>	158.9	39048.0	0.00	17.13	0.63	6.84	0.102
	168	50527.33	209.65<<	-459.7	27580.5	0.00	50.43	1.78	0.74	0.099
	168	50129.60	1121.37	289.4>>	22908.3	0.00	31.66	1.13	3.95	0.091
	168	48581.18	1044.38	-597.0<<	44620.8	0.00	64.60	2.35	3.68	0.165
	169	48195.75	1718.59>>	158.9	41106.7	0.00	17.14	0.63	6.05	0.090
	169	50472.01	-0.62<<	-459.7	27747.3	0.00	50.41	1.79	0.00	0.094
	169	50031.79	908.08	288.6>>	23971.6	0.00	31.55	1.12	3.20	0.082
	169	48725.08	817.44	-598.6<<	45581.6	0.00	64.83	2.35	2.88	0.156

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	169	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	169	48264.45	1411.09>>	255.9	16623.2	0.00	27.62	1.01	4.97	0.096
	169	50537.44	-54.27<<	-580.0	51667.6	0.00	63.63	2.25	0.19	0.127
	169	50549.26	815.24	298.9>>	23727.0	0.00	32.80	1.16	2.87	0.081
	169	48293.86	553.09	-626.5<<	45459.2	0.00	67.65	2.47	1.95	0.153
	170	48320.44	1194.04>>	259.1	16413.7	0.00	27.98	1.02	4.20	0.087
	170	50481.44	-271.70<<	-583.2	53187.1	0.00	63.96	2.26	0.96	0.133
	170	50493.94	603.31	295.5>>	24589.0	0.00	32.40	1.15	2.12	0.072
	170	48349.18	328.87	-626.5<<	45919.5	0.00	67.68	2.47	1.16	0.146

BARRA	170	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	170	48382.69	1364.23>>	259.1	16333.5	0.00	28.00	1.02	4.80	0.095
	170	50543.69	-101.51<<	-583.2	53107.0	0.00	63.98	2.26	0.36	0.129
	170	50556.19	773.51	295.5>>	24508.8	0.00	32.42	1.15	2.72	0.078
	170	48411.43	499.06	-626.5<<	45839.3	0.00	67.71	2.47	1.76	0.151
	171	48438.01	1152.31>>	259.1	17733.9	0.00	28.01	1.02	4.06	0.085
	171	50529.42	-325.42<<	-586.1	53062.7	0.00	64.30	2.28	1.15	0.136
	171	50459.81	562.93	294.9>>	25169.3	0.00	32.34	1.15	1.98	0.070
	171	48552.69	273.31	-628.4<<	46171.7	0.00	67.98	2.47	0.96	0.144

BARRA	171	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	171	48552.65	1127.98>>	265.7	16326.2	0.00	28.74	1.05	3.97	0.086
	171	50588.61	-670.76<<	-597.2	53525.6	0.00	65.54	2.32	2.36	0.151
	171	50563.22	522.14	309.7>>	25829.0	0.00	33.99	1.20	1.84	0.072
	171	48536.14	-56.47	-649.7<<	44982.3	0.00	70.28	2.56	0.20	0.145
	172	48607.97	917.71>>	265.7	17455.7	0.00	28.75	1.05	3.23	0.077
	172	50533.29	-894.98<<	-600.6	52671.8	0.00	65.89	2.33	3.15	0.161
	172	50507.90	297.92	306.3>>	26346.9	0.00	33.59	1.19	1.05	0.064
	172	48591.46	-268.40	-649.7<<	44748.7	0.00	70.30	2.56	0.95	0.150

BARRA	172	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	172	48649.10	1089.08>>	265.7	17407.8	0.00	28.76	1.04	3.84	0.084
	172	50574.41	-723.61<<	-600.6	52623.9	0.00	65.91	2.33	2.55	0.154
	172	50549.02	469.30	306.3>>	26299.1	0.00	33.60	1.19	1.65	0.069
	172	48632.59	-97.03	-649.7<<	44700.8	0.00	70.32	2.56	0.34	0.146
	173	48704.42	878.81>>	265.7	18492.9	0.00	28.77	1.04	3.09	0.075
	173	50519.09	-947.82<<	-604.1	51709.5	0.00	66.27	2.35	3.34	0.164
	173	50455.86	249.14	306.0>>	26606.2	0.00	33.55	1.19	0.88	0.062
	173	48767.63	-309.31	-652.0<<	44356.2	0.00	70.65	2.56	1.09	0.152

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA	173	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^é +(Td/Tu1)^é
	173	48634.10	851.18>>	281.1	17354.9	0.00	30.42	1.11	3.00	0.077
	173	50370.37	-1298.62<<	-613.1	52305.1	0.00	67.18	2.38	4.57	0.182
	173	50424.62	136.10	333.8>>	26837.6	0.00	36.59	1.30	0.48	0.065
	173	48612.54	-578.70	-671.1<<	43708.5	0.00	72.63	2.64	2.04	0.167
	174	48689.42	640.91>>	281.1	18166.1	0.00	30.43	1.11	2.26	0.069
	174	50315.05	-1522.84<<	-613.1	50729.2	0.00	67.15	2.38	5.36	0.192
	174	50336.52	-83.02	330.4>>	26764.2	0.00	36.19	1.28	0.29	0.063
	174	48667.86	-790.63	-671.1<<	42874.5	0.00	72.65	2.64	2.78	0.175

BARRA	174	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^é +(Td/Tu1)^é
	174	48452.90	806.14>>	281.1	18209.0	0.00	30.38	1.11	2.84	0.076
	174	50078.53	-1357.61<<	-613.1	50772.2	0.00	67.04	2.39	4.78	0.184
	174	50100.01	82.21	330.4>>	26807.2	0.00	36.13	1.29	0.29	0.063
	174	48431.35	-625.40	-671.1<<	42917.4	0.00	72.53	2.64	2.20	0.168
	175	48508.22	595.87>>	281.1	18968.7	0.00	30.39	1.11	2.10	0.067
	175	50023.21	-1581.83<<	-613.1	49128.7	0.00	67.02	2.39	5.57	0.195
	175	50044.69	-140.35	330.4>>	26820.4	0.00	36.12	1.29	0.49	0.065
	175	48556.43	-836.49	-673.9<<	41969.2	0.00	72.90	2.65	2.95	0.177

BARRA	175	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^é +(Td/Tu1)^é
	175	48455.76	563.55>>	320.1	17709.5	0.00	34.61	1.26	1.98	0.075
	175	49978.55	-1937.30<<	-620.8	49560.4	0.00	67.84	2.42	6.82	0.214
	175	50012.60	-179.17	379.1>>	25708.1	0.00	41.44	1.48	0.63	0.077
	175	48448.37	-1193.53	-689.0<<	42341.9	0.00	74.47	2.71	4.20	0.197
	176	48511.08	353.28>>	320.1	18190.0	0.00	34.62	1.26	1.24	0.068
	176	49923.23	-2161.52<<	-620.8	47250.1	0.00	67.81	2.42	7.61	0.226
	176	49931.46	-395.62	376.0>>	25285.0	0.00	41.08	1.47	1.39	0.083
	176	48503.69	-1405.46	-689.0<<	40800.7	0.00	74.50	2.71	4.95	0.206

BARRA	176	Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^é +(Td/Tu1)^é
	176	48435.32	515.76>>	320.1	18267.9	0.00	34.60	1.26	1.82	0.073
	176	49847.47	-1999.04<<	-620.8	47328.0	0.00	67.77	2.42	7.04	0.217
	176	49855.70	-233.14	376.0>>	25362.9	0.00	41.06	1.47	0.82	0.078
	176	48427.94	-1242.98	-689.0<<	40878.7	0.00	74.46	2.71	4.38	0.199
	177	48490.64	305.49>>	320.1	18693.6	0.00	34.62	1.26	1.08	0.066
	177	49792.15	-2223.26<<	-620.8	44946.9	0.00	67.75	2.42	7.83	0.229
	177	49800.38	-455.71	376.0>>	25013.5	0.00	41.04	1.47	1.60	0.085
	177	48539.25	-1452.87	-692.3<<	39227.0	0.00	74.89	2.73	5.12	0.210

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	177	48403.24	284.23>>	212.6	16740.4	0.00	22.98	0.84	1.00	0.042
	177	49734.19	-2582.30<<	-628.7	45257.4	0.00	68.58	2.45	9.09	0.250
	177	49743.07	-503.24	443.7>>	24009.9	0.00	48.41	1.73	1.77	0.104
	177	48432.01	-1816.67	-704.1<<	39503.5	0.00	76.10	2.77	6.40	0.230
	178	48458.56	73.96>>	212.6	16899.6	0.00	22.98	0.84	0.26	0.036
	178	49678.87	-2806.52<<	-628.7	42205.2	0.00	68.55	2.45	9.88	0.262
	178	49670.58	-717.04	441.0>>	23233.1	0.00	48.09	1.72	2.52	0.111
	178	48526.22	-2025.35	-704.6<<	37197.7	0.00	76.20	2.77	7.13	0.241

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	178	48379.11	232.77>>	212.6	16965.5	0.00	22.97	0.84	0.82	0.040
	178	49599.42	-2647.71<<	-628.7	42271.2	0.00	68.52	2.46	9.32	0.254
	178	49591.14	-558.23	441.0>>	23299.1	0.00	48.06	1.72	1.97	0.105
	178	48446.78	-1866.54	-704.6<<	37263.6	0.00	76.16	2.78	6.57	0.233
	179	48434.43	22.50>>	212.6	17065.6	0.00	22.98	0.84	0.08	0.035
	179	49544.10	-2871.93<<	-628.7	39143.9	0.00	68.49	2.46	10.11	0.266
	179	49535.82	-780.79	441.0>>	22575.7	0.00	48.04	1.72	2.75	0.113
	179	48502.10	-2078.47	-708.0<<	34948.5	0.00	76.57	2.79	7.32	0.245

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	179	48329.02	39.55>>	-102.0	14933.5	0.00	11.02	0.40	0.14	0.014
	179	49406.72	-3239.33<<	-644.0	39317.7	0.00	70.09	2.52	11.41	0.291
	179	49418.03	-916.67	382.7>>	22692.7	0.00	41.65	1.50	3.23	0.104
	179	48343.20	-2434.62	-720.6<<	34932.8	0.00	77.84	2.84	8.57	0.267
	180	48384.34	-170.73>>	-102.0	14811.2	0.00	11.03	0.40	0.60	0.018
	180	49351.40	-3463.54<<	-644.0	35509.9	0.00	70.07	2.52	12.20	0.304
	180	48406.12	-2657.96	-721.9<<	32055.5	0.00	78.02	2.84	9.36	0.279

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	180	48301.18	-15.15>>	-102.0	14859.4	0.00	11.02	0.40	0.05	0.014
	180	49268.24	-3307.97<<	-644.0	35558.0	0.00	70.03	2.52	11.65	0.295
	180	49259.38	-989.73	380.5>>	21641.4	0.00	41.37	1.49	3.49	0.107
	180	48322.97	-2502.39	-721.9<<	32103.6	0.00	77.97	2.85	8.81	0.271
	181	48356.51	-225.42>>	-102.0	14674.5	0.00	11.02	0.40	0.79	0.019
	181	49212.92	-3532.19<<	-644.0	31671.5	0.25	70.00	2.52	12.44	0.308
	181	49204.06	-1213.95	380.5>>	20421.0	0.00	41.36	1.49	4.27	0.116
	181	48378.29	-2714.32	-725.4<<	29057.5	0.00	78.38	2.86	9.56	0.283

SANT BOI ELU(t=I):1.35*G+1.00*P+1.5*UIC+0.9*(GT+Vc)

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	181	48181.80	-1745.69>>	-99.1	14652.7	0.00	10.69	0.39	6.15	0.081
	181	48713.21	-5476.48<<	-655.1	31719.2	8.18	70.95	2.58	19.28	0.432
	181	48911.10	-3001.30	196.8>>	20268.4	0.00	21.34	0.77	10.57	0.166
	181	47899.86	-4621.78	-721.7<<	28829.7	4.93	77.71	2.85	16.27	0.394
	182	48230.39	-1957.73>>	-99.1	12475.4	0.00	10.69	0.39	6.89	0.091
	182	48650.71	-5698.93<<	-655.1	25336.6	9.09	70.91	2.58	20.07	0.446
	182	48844.65	-3229.00	195.4>>	16758.4	0.00	21.18	0.77	11.37	0.179
	182	47946.91	-4849.69	-723.7<<	23401.7	5.84	77.95	2.86	17.08	0.409

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	182	48149.44	-1805.48>>	-99.1	12502.5	0.00	10.68	0.39	6.36	0.084
	182	48569.76	-5546.68<<	-655.1	25363.7	8.50	70.87	2.58	19.53	0.436
	182	48763.70	-3076.75	195.4>>	16785.5	0.00	21.17	0.77	10.83	0.170
	182	47865.96	-4697.44	-723.7<<	23428.8	5.25	77.90	2.86	16.54	0.399
	183	48196.09	-2078.15>>	-99.1	10221.6	0.00	5.48	0.22	2.05	0.016
	183	48505.32	-5829.76<<	-655.1	18865.4	0.00	36.32	1.42	5.76	0.092
	183	48699.26	-3359.82	195.4>>	13129.1	0.00	10.85	0.42	3.32	0.035
	183	47912.56	-4971.77	-727.2<<	17819.4	0.00	40.16	1.58	4.91	0.080

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	183	48218.71	-506.01>>	-73.7	10188.9	0.00	4.08	0.16	0.50	0.003
	183	48855.45	-4618.53<<	-517.3	18762.0	0.00	28.75	1.12	4.56	0.065
	183	48849.20	-2035.92	4.1>>	12904.0	0.00	0.23	0.01	2.01	0.015
	183	48227.36	-3753.94	-566.5<<	17694.4	0.00	31.36	1.23	3.71	0.053
	184	48274.03	-776.91>>	-73.7	9404.5	0.00	4.08	0.16	0.77	0.004
	184	48800.13	-4903.38<<	-517.3	13333.5	0.00	28.74	1.12	4.84	0.070
	184	48278.70	-4043.52	-569.0<<	13195.5	0.00	31.50	1.24	3.99	0.057

BARRA		Fxd (kN)	Fzd (kN)	Mxd (m.kN)	Myd (m.kN)	Arm.cortante (cm2/m)	Arm.tor.long (cm2/m)	Arm.tor.tran (cm2/m)	Arm.ras (cm2/m)	(Vrd/Vu1)^á +(Td/Tu1)^á
	184	48199.05	-665.34>>	-73.7	9405.1	0.00	4.08	0.16	0.66	0.003
	184	48725.15	-4791.81<<	-517.3	13334.1	0.00	28.73	1.12	4.73	0.068
	184	48724.04	-2215.63	3.1>>	10455.5	0.00	0.17	0.01	2.19	0.017
	184	48203.72	-3931.95	-569.0<<	13196.1	0.00	31.49	1.24	3.88	0.056
	185	48254.37	-936.25>>	-73.7	8437.3	0.00	4.08	0.16	0.92	0.005
	185	48669.83	-5076.66<<	-517.3	7706.1	0.00	28.72	1.12	5.01	0.073
	185	48668.72	-2500.48	3.1>>	7790.1	0.00	0.17	0.01	2.47	0.020
	185	48259.04	-4204.51	-572.5<<	8470.8	0.00	31.69	1.24	4.15	0.060

7.5.3. E.L.U. de Fatiga

Proyecto de construcción de plataforma. Línea de Alta Velocidad Madrid – Zaragoza – Barcelona – Frontera Francesa. Tramo: Sant Boi de Llobregat - Hospitalet

VIADUCTO SOBRE EL LLOBREGAT

7.5.3.1. Esfuerzos CP + Grad + Tren 71 en 1 vía

TITULO
=======
SANT BOI CPGT711:1.00*G+1.0*UICdcha+0.6*GT

FICHERO DE GEOMETRIA COMPLETA
==============================
GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS
================================
4

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
1	869	1138	2	CP.TXT
2	869	1138	394	SC.TXT
4	869	1138	1	TEMP.TXT
6	869	1138	55	PRET.TXT

Fich	Hipotesis	Caracter	Coeficiente
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1	2	1	1.00
2	1	2	0.00
2	2	2	0.00
2	3	2	0.00
2	4	2	0.00
2	5	2	0.00
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5691

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2	394	8	0.00
4	1	2	0.60
6	1	1	7.8291
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6	4	1	5.8719
6	5	1	5.8719
6	6	1	5.8719
6	7	1	7.8291
6	8	1	5.8719
6	9	1	5.8719
6	10	1	5.8719
6	11	1	5.8719
6	12	1	7.3398
6	13	1	7.3398
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6	17	1	7.3398
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5693

TITULO

SANT BOI CPGT711:1.00*G+1.0*UICizda+0.6*GT

FICHERO DE GEOMETRIA COMPLETA

GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS

4

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
1	869	1138	2	CP.TXT
2	869	1138	394	SC.TXT
4	869	1138	1	TEMP.TXT
6	869	1138	55	PRET.TXT

Fich	Hipotesis	Caracter	Coeficiente
1	1	1	1.00
1	2	1	1.00
2	1	2	0.00
2	2	2	0.00
2	3	2	0.00
2	4	2	0.00
2	5	2	0.00
2	6	2	0.00
2	7	2	0.00
2	8	2	0.00
2	9	2	0.00
2	10	2	0.00
2	11	2	0.00
2	12	2	0.00
2	13	2	0.00
2	14	2	0.00
2	15	2	0.00
2	16	2	1.00
2	17	2	1.00
2	18	2	1.00
2	19	2	1.00
2	20	2	1.00
2	21	3	0.00
2	22	3	0.00
2	23	3	0.00
2	24	3	0.00
2	25	3	0.00
2	26	3	0.00
2	27	3	0.00
2	28	3	0.00
2	29	3	0.00
2	30	3	0.00
2	31	3	0.00
2	32	3	0.00
2	33	3	0.00
2	34	3	0.00
2	35	3	0.00
2	36	3	0.00
2	37	3	0.00
2	38	3	0.00
2	39	3	0.00
2	40	3	0.00
2	41	3	0.00
2	42	3	0.00
2	43	3	0.00
2	44	3	0.00
2	45	3	0.00
2	46	3	0.00
2	47	3	0.00
2	48	3	0.00
2	49	3	0.00
2	50	3	0.00
2	51	3	0.00
2	52	3	0.00
2	53	3	0.00
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2	57	3	0.00
2	58	3	0.00
2	59	3	0.00
2	60	3	0.00
2	61	3	0.00
2	62	3	0.00
2	63	3	0.00
2	64	3	0.00
2	65	3	0.00
2	66	3	0.00
2	67	3	0.00
2	68	3	0.00
2	69	3	0.00
2	70	3	0.00
2	71	3	0.00
2	72	3	0.00
2	73	3	0.00
2	74	3	0.00
2	75	3	0.00
2	76	3	0.00
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2	78	3	0.00
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2	80	3	0.00
2	81	3	0.00
2	82	3	0.00
2	83	3	0.00
2	84	3	0.00
2	85	3	0.00
2	86	3	0.00
2	87	3	0.00
2	88	3	0.00
2	89	3	0.00
2	90	3	0.00
2	91	3	0.00
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2	105	3	0.00
2	106	3	0.00
2	107	3	0.00
2	108	3	0.00
2	109	3	0.00
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2	112	3	0.00
2	113	3	0.00
2	114	3	0.00
2	115	3	0.00
2	116	3	0.00
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2	133	3	0.00
2	134	3	0.00
2	135	3	0.00
2	136	3	0.00
2	137	3	0.00
2	138	3	0.00
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2	142	3	0.00
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2	301	4	1.00
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2	304	4	1.00
2	305	4	1.00

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2	308	4	1.00
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2	310	4	1.00
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2	369	4	1.00
2	370	4	1.00
2	371	4	1.00
2	372	4	1.00
2	373	4	1.00
2	374	4	1.00
2	375	4	1.00
2	376	4	1.00
2	377	4	1.00
2	378	4	1.00
2	379	4	1.00
2	380	4	1.00
2	381	5	0.00
2	382	5	0.00
2	383	8	0.00
2	384	8	0.00
2	385	8	0.00
2	386	8	0.00
2	387	8	0.00
2	388	8	0.00
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2	390	8	0.00
2	391	8	0.00
2	392	8	0.00
2	393	8	0.00
2	394	8	0.00
4	1	2	0.60
6	1	1	7.8291
6	2	1	7.8291
6	3	1	5.8719
6	4	1	5.8719
6	5	1	5.8719
6	6	1	5.8719
6	7	1	7.8291
6	8	1	5.8719
6	9	1	5.8719
6	10	1	5.8719
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6	23	1	2.4466
6	24	1	2.4466
6	25	1	0.0000
6	26	1	0.0000
6	27	1	0.0000
6	28	1	0.0000
6	29	1	4.8932
6	30	1	2.4466
6	31	1	2.4466
6	32	1	2.4466
6	33	1	2.4466
6	34	1	4.2121
6	35	1	4.2121
6	36	1	4.2121
6	37	1	4.2121
6	38	1	4.2121
6	39	1	4.2121
6	40	1	4.2121
6	41	1	4.2121
6	42	1	4.2121
6	43	1	4.2121
6	44	1	4.2121
6	45	1	4.2121
6	46	1	2.4680
6	47	1	3.9488
6	48	1	2.4680
6	49	1	3.9488
6	50	1	2.4466
6	51	1	2.4466
6	52	1	4.8932
6	53	1	2.4466
6	54	1	0.0000
6	55	1	0.0000

TITULO

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

NUMERO DE FICHEROS DE RESULTADOS

2

NUMERO DE BARRAS EN LOS FICHEROS

1138

Fich	NOMBRE FICHERO
1	CPGT711d.PNE
2	CPGT711i.PNE

PONDERACION DE ESFUERZOS

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	1	39539.36	5.06	-358.24	157.5	7121.7>>	-23.5
	1	39529.01	3.82	-614.21	-45.6	7015.0<<	-26.8
	2	39488.61	5.57	692.91	173.7	8012.5>>	-71.3
	2	39563.96	8.34	-1095.80	41.2	5922.0<<	-18.5
BARRA	2	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	2	39637.38	5.57	856.03	173.7	8015.4>>	-71.3
	2	39712.73	8.34	-932.67	41.2	5925.0<<	-18.5
	3	39637.38	5.57	655.37	173.7	8884.5>>	-77.8
	3	39712.73	8.34	-1133.34	41.2	4737.0<<	-28.1
BARRA	3	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	3	39897.24	-285.76	1862.41	158.5	8760.2>>	-75.6
	3	39937.30	-98.27	266.56	44.8	4685.6<<	-26.7
	4	39903.66	-285.76	1661.74	158.5	10787.5>>	253.1
	4	39943.72	-98.27	65.89	44.8	4876.8<<	86.3
BARRA	4	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	4	40060.43	-285.76	1886.12	158.5	10748.3>>	253.1
	4	40100.50	-98.27	290.27	44.8	4837.6<<	86.3
	5	40064.88	-278.35	1742.95	184.3	12837.4>>	570.1
	5	40105.27	-98.33	134.50	44.8	5081.9<<	199.3
BARRA	5	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	5	40155.48	24.75	349.57	91.9	12640.3>>	428.2
	5	40199.83	15.29	-1023.38	45.0	4994.2<<	168.1
	6	40158.17	24.46	226.73	140.6	12967.4>>	390.3
	6	40199.83	15.29	-1179.14	45.0	3727.9<<	150.6
BARRA	6	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	6	40315.39	24.46	454.84	140.6	12899.9>>	390.3
	6	40357.05	15.29	-951.02	45.0	3660.4<<	150.6
	7	40315.39	24.46	299.09	140.6	13333.4>>	362.1
	7	40357.05	15.29	-1106.78	45.0	2477.1<<	132.9

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	7	40451.99	78.21	215.21	71.2	13083.9>>	326.3
	7	40495.98	36.98	-972.86	45.6	2362.6<<	135.6
	8	40451.99	78.21	59.46	71.2	13242.0>>	236.2
	8	40495.98	36.98	-1128.62	45.6	1154.3<<	92.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	8	40601.28	78.21	293.94	71.2	13153.2>>	236.2
	8	40645.27	36.98	-894.13	45.6	1065.6<<	92.9
	9	40603.72	76.66	171.81	117.5	13417.4>>	142.8
	9	40645.27	36.98	-1049.89	45.6	-52.2<<	50.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	9	40763.42	50.88	52.32	-2.0	13155.4>>	142.8
	9	40791.00	26.14	-909.85	49.5	-182.3<<	61.3
	10	40764.92	50.11	-58.98	58.8	13144.2>>	82.7
	10	40791.00	26.14	-1065.60	49.5	-1318.2<<	31.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	10	40906.64	50.11	183.81	58.8	13045.1>>	82.7
	10	40932.72	26.14	-822.82	49.5	-1417.3<<	31.2
	11	40906.64	50.11	28.05	58.8	13167.0>>	25.1
	11	40932.72	26.14	-978.57	49.5	-2452.9<<	1.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	11	41063.69	18.37	-49.91	-9.3	12885.6>>	23.6
	11	41072.75	12.56	-832.14	54.5	-2589.2<<	11.0
	12	41063.69	18.37	-205.66	-9.3	12738.5>>	2.4
	12	41072.75	12.56	-987.90	54.5	-3635.9<<	-3.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	12	41153.09	18.37	43.09	-9.3	12689.6>>	2.4
	12	41162.15	12.56	-739.14	54.5	-3684.8<<	-3.5
	13	41153.63	18.29	-67.68	51.3	12690.3>>	-18.8
	13	41162.15	12.56	-894.90	54.5	-4624.1<<	-18.0

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	13	41132.86	-0.30	-189.78	-82.7	12616.8>>	-25.0
	13	41128.46	3.90	-743.15	59.6	-4547.0<<	-10.7
	14	41132.95	-0.14	-294.90	-15.6	12346.7>>	-24.6
	14	41128.46	3.90	-898.91	59.6	-5491.2<<	-15.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	14	41099.55	-0.14	-53.20	-15.6	12459.8>>	-24.6
	14	41095.06	3.90	-657.21	59.6	-5378.1<<	-15.2
	15	41099.55	0.00	-163.40	45.0	12324.3>>	-24.4
	15	41095.06	3.90	-812.97	59.6	-6223.8<<	-19.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	15	41073.51	-9.86	-305.28	-90.4	12251.0>>	-32.6
	15	41059.19	-1.98	-681.43	65.7	-6146.9<<	-13.3
	16	41073.25	-9.69	-409.79	-23.4	11825.2>>	-21.5
	16	41059.19	-1.98	-837.19	65.7	-7020.1<<	-11.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	16	43009.52	-9.69	-181.53	-23.4	15118.0>>	-21.5
	16	42995.46	-1.98	-608.93	65.7	-3727.3<<	-11.3
	17	43009.52	-9.69	-337.28	-23.4	14819.9>>	-10.4
	17	42995.46	-1.98	-764.68	65.7	-4517.0<<	-9.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	17	42981.50	-19.49	-436.97	-98.4	14750.0>>	-18.9
	17	42959.24	-9.20	-637.48	78.2	-4430.4<<	-3.5
	18	42981.50	-19.49	-592.72	-98.4	14158.0>>	3.7
	18	42959.24	-9.20	-793.23	78.2	-5252.9<<	7.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	18	42941.97	-19.49	-367.79	-98.4	14278.7>>	3.7
	18	42919.71	-9.20	-568.30	78.2	-5132.2<<	7.3
	19	42941.47	-19.43	-471.61	-31.7	13822.4>>	25.7
	19	42919.71	-9.20	-724.06	78.2	-5875.3<<	17.5

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	19	42911.28	-34.50	-625.14	-170.3	13737.8>>	18.2
	19	42880.47	-18.98	-603.00	98.8	-5791.5<<	22.5
	20	42910.65	-34.72	-732.07	-110.4	12978.1>>	58.3
	20	42880.47	-18.98	-758.75	98.8	-6574.4<<	44.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	20	42894.56	-34.72	-509.56	-110.4	13044.6>>	58.3
	20	42864.38	-18.98	-536.24	98.8	-6507.8<<	44.1
	21	42893.88	-35.01	-612.59	-44.4	12413.0>>	99.2
	21	42864.38	-18.98	-691.99	98.8	-7213.9<<	65.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	21	42887.64	-50.73	-764.00	-192.1	12236.3>>	92.6
	21	42847.82	-25.65	-569.71	128.4	-7215.7<<	69.3
	22	42886.90	-51.59	-870.08	-133.2	11307.1>>	153.6
	22	42847.82	-25.65	-725.47	128.4	-7960.6<<	98.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	22	42863.48	-51.59	-646.89	-133.2	11333.5>>	153.6
	22	42824.40	-25.65	-502.27	128.4	-7934.2<<	98.7
	23	42862.67	-52.59	-749.03	-68.4	10537.5>>	217.3
	23	42824.40	-25.65	-658.03	128.4	-8601.4<<	128.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	23	42842.08	-45.90	-902.44	-231.2	10350.1>>	215.0
	23	42794.50	-12.92	-539.00	171.2	-8603.3<<	132.9
	24	42841.02	-47.05	-1007.61	-174.0	9258.9>>	274.6
	24	42794.50	-12.92	-694.75	171.2	-9312.7<<	147.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	24	42814.29	-47.05	-787.55	-174.0	9276.4>>	274.6
	24	42767.76	-12.92	-474.69	171.2	-9295.2<<	147.8
	25	42813.09	-47.74	-888.84	-110.3	8319.0>>	335.4
	25	42767.76	-12.92	-630.45	171.2	-9930.5<<	162.6

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	25	42700.67	40.92	-1054.31	-303.7	8128.7>>	341.5
	25	42657.39	53.03	-521.07	236.2	-9915.9<<	173.5
	26	42698.35	43.37	-1158.78	-246.3	6864.8>>	295.2
	26	42657.39	53.03	-676.83	236.2	-10604.9<<	112.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	26	42592.28	43.37	-955.21	-246.3	6879.3>>	295.2
	26	42551.31	53.03	-473.26	236.2	-10590.4<<	112.5
	27	42589.90	46.26	-1055.84	-179.7	5732.7>>	238.1
	27	42551.31	53.03	-629.02	236.2	-11223.9<<	51.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	27	42303.84	325.65	-2597.94	-428.3	5477.3>>	246.3
	27	42323.66	234.60	-1878.63	346.6	-11234.3<<	41.7
	28	42373.73	209.14	-1698.13	-71.1	3172.7>>	-120.4
	28	42241.96	353.06	-3036.35	58.4	-14213.5<<	-248.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	28	51675.44	209.14	-1248.72	-71.1	8193.5>>	-120.4
	28	51543.66	353.06	-2586.94	58.4	-9192.7<<	-248.9
	29	51720.79	148.37	-1248.54	11.3	6851.9>>	-262.8
	29	51537.24	353.06	-2787.61	58.4	-12284.6<<	-655.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	29	51757.18	17.11	-668.18	21.3	6807.8>>	-219.5
	29	51684.33	39.30	-2365.30	79.0	-12400.3<<	-531.3
	30	51757.18	17.11	-868.85	21.3	5924.0>>	-238.9
	30	51684.33	39.30	-2565.97	79.0	-15235.8<<	-576.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	30	51685.03	17.11	-2672.05	21.3	5890.6>>	-238.9
	30	51612.17	39.30	-4369.16	79.0	-15269.2<<	-576.2
	31	51685.03	17.11	-2872.72	21.3	2702.3>>	-258.5
	31	51612.17	39.30	-4569.83	79.0	-20409.2<<	-621.3

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	31	51626.76	-46.21	3333.09	16.5	2601.8>>	-257.0
	31	51593.41	-111.09	5549.02	58.2	-20590.2<<	-617.9
	32	51626.76	-46.21	3132.42	16.5	6319.3>>	-204.0
	32	51593.60	-110.59	5336.30	51.5	-14331.4<<	-489.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	32	51614.29	-46.21	2208.88	16.5	6311.9>>	-204.0
	32	51581.14	-110.59	4412.76	51.5	-14338.8<<	-489.2
	33	51614.29	-46.21	2008.21	16.5	8736.7>>	-150.7
	33	51580.77	-110.29	4004.54	-6.7	-9431.2<<	-377.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	33	51703.36	-148.35	2620.56	16.4	8768.0>>	-159.6
	33	51673.48	-360.98	4459.94	-11.8	-9480.4<<	-391.7
	34	51706.68	-206.89	2687.40	103.9	11728.1>>	31.9
	34	51679.90	-360.98	4259.28	-11.8	-4464.1<<	23.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	34	42212.27	-206.89	1945.91	103.9	6600.2>>	31.9
	34	42185.50	-360.98	3517.79	-11.8	-9592.0<<	23.7
	35	42213.85	-200.11	1843.82	173.0	8794.5>>	272.0
	35	42190.48	-360.98	3362.03	-11.8	-5634.0<<	438.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	35	42252.94	-4.71	414.45	22.4	8703.3>>	201.6
	35	42234.24	-24.30	1906.87	-12.8	-5717.0<<	301.4
	36	42253.47	-3.45	315.71	88.8	9146.9>>	205.1
	36	42234.24	-24.30	1751.12	-12.8	-3613.6<<	329.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	36	39865.06	-3.45	469.29	88.8	5756.0>>	205.1
	36	39845.84	-24.30	1904.70	-12.8	-7004.6<<	329.3
	37	39831.44	-0.14	1526.18	304.6	7315.0>>	331.6
	37	39880.21	-27.15	587.54	-171.8	-5962.8<<	229.2

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	37	39820.69	72.70	1315.16	86.8	7108.8>>	317.4
	37	39877.47	39.26	649.51	-110.2	-6005.3<<	208.8
	38	39822.39	71.36	1215.56	149.8	8594.9>>	229.1
	38	39877.47	39.26	493.75	-110.2	-5347.8<<	163.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	38	39845.70	71.36	1382.71	149.8	8589.9>>	229.1
	38	39900.78	39.26	660.90	-110.2	-5352.8<<	163.6
	39	39847.30	70.01	1277.36	206.3	10146.4>>	144.1
	39	39900.78	39.26	505.14	-110.2	-4682.1<<	118.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	39	39869.99	54.31	1123.84	85.9	9946.6>>	156.3
	39	39922.69	36.21	567.56	-72.7	-4732.8<<	120.3
	40	39870.98	53.55	1017.73	144.0	11150.1>>	92.3
	40	39922.69	36.21	411.80	-72.7	-4169.8<<	78.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	40	39891.18	53.55	1186.91	144.0	11139.6>>	92.3
	40	39942.89	36.21	580.99	-72.7	-4180.3<<	78.6
	41	39889.81	50.02	1304.36	120.1	12716.9>>	34.8
	41	39944.26	39.74	152.03	-48.8	-3903.8<<	33.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	41	39920.27	22.42	1152.02	18.9	12512.8>>	42.5
	41	39968.10	20.71	217.78	-22.4	-3955.1<<	43.8
	42	39920.27	22.42	996.26	18.9	13747.8>>	16.7
	42	39968.10	20.71	62.03	-22.4	-3794.5<<	20.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	42	39937.14	22.42	1166.02	18.9	13734.6>>	16.7
	42	39984.97	20.71	231.78	-22.4	-3807.7<<	20.0
	43	39937.58	22.24	1059.30	78.1	15041.4>>	-9.3
	43	39984.97	20.71	76.03	-22.4	-3630.6<<	-4.1

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	43	39961.40	4.61	907.42	-7.3	14835.8>>	-5.9
	43	40004.58	6.61	142.89	-5.0	-3683.6<<	2.8
	44	39961.40	4.61	751.67	-7.3	15789.7>>	-11.0
	44	40004.58	6.61	-12.86	-5.0	-3608.9<<	-4.6
BARRA	44	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	44	39974.94	4.61	922.40	-7.3	15776.2>>	-11.0
	44	40018.12	6.61	157.87	-5.0	-3622.4<<	-4.6
	45	39975.11	4.63	815.24	52.5	16796.8>>	-16.4
	45	40018.12	6.61	2.11	-5.0	-3530.4<<	-12.4
BARRA	45	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	45	39991.10	-2.35	611.95	-88.1	16593.2>>	-16.6
	45	40031.48	0.42	71.52	6.8	-3584.0<<	-8.3
	46	39991.17	-2.29	509.99	-21.6	17263.6>>	-13.7
	46	40031.48	0.42	-84.23	6.8	-3590.9<<	-8.7
BARRA	46	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	46	40001.25	-2.29	680.18	-21.6	17251.9>>	-13.7
	46	40041.56	0.42	85.96	6.8	-3602.6<<	-8.7
	47	40001.30	-2.24	572.70	38.5	17985.1>>	-11.1
	47	40041.56	0.42	-69.79	6.8	-3593.4<<	-9.2
BARRA	47	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	47	40011.01	-2.99	370.63	-94.7	17787.8>>	-12.8
	47	40049.25	-0.59	0.49	14.5	-3644.0<<	-6.8
	48	40011.01	-2.94	268.41	-28.0	18170.2>>	-9.2
	48	40049.25	-0.59	-155.27	14.5	-3733.2<<	-5.9
BARRA	48	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	48	40017.69	-2.94	439.75	-28.0	18161.7>>	-9.2
	48	40055.94	-0.59	16.07	14.5	-3741.7<<	-5.9
	49	40017.68	-2.89	332.08	32.3	18608.1>>	-6.0
	49	40055.94	-0.59	-139.68	14.5	-3812.7<<	-5.4

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	49	40022.60	-1.19	131.37	-96.0	18416.7>>	-7.7
	49	40059.08	0.59	-68.36	19.9	-3860.4<<	-3.2
	50	40022.54	-1.15	29.01	-29.1	18512.8>>	-6.1
	50	40057.79	1.32	-301.85	25.4	-4058.2<<	-3.7
BARRA	50	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	50	40025.78	-1.15	199.99	-29.1	18508.4>>	-6.1
	50	40061.03	1.32	-130.87	25.4	-4062.6<<	-3.7
	51	40025.72	-1.11	92.24	31.3	18667.4>>	-5.1
	51	40061.03	1.32	-286.63	25.4	-4302.8<<	-5.4
BARRA	51	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	51	40025.86	0.73	-113.33	-94.7	18483.4>>	-6.3
	51	40058.73	2.58	-220.31	29.9	-4344.5<<	-1.4
	52	40025.75	0.77	-215.70	-27.8	18286.5>>	-7.1
	52	40058.73	2.58	-376.07	29.9	-4687.5<<	-4.3
BARRA	52	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	52	40023.93	0.77	-53.32	-27.8	18288.5>>	-7.1
	52	40056.91	2.58	-213.69	29.9	-4685.4<<	-4.3
	53	40023.81	0.81	-161.03	32.6	18144.7>>	-8.0
	53	40056.91	2.58	-369.44	29.9	-5020.6<<	-7.2
BARRA	53	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	53	40020.17	1.13	-370.87	-95.1	17965.6>>	-8.4
	53	40050.93	2.49	-307.63	32.0	-5058.9<<	-2.6
	54	40020.00	1.17	-473.14	-28.3	17461.1>>	-9.9
	54	40050.93	2.49	-463.39	32.0	-5502.3<<	-5.6
BARRA	54	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	54	40015.02	1.17	-310.84	-28.3	17466.8>>	-9.9
	54	40045.96	2.49	-301.09	32.0	-5496.6<<	-5.6
	55	40015.02	1.17	-466.59	-28.3	17019.9>>	-11.2
	55	40045.96	2.49	-456.84	32.0	-5932.3<<	-8.4

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	55	39996.90	-2.14	-631.04	-99.7	16835.8>>	-10.7
	55	40025.95	-0.55	-397.98	32.7	-5971.8<<	-3.3
	56	39996.62	-2.10	-733.11	-32.9	16021.6>>	-8.4
	56	40025.95	-0.55	-553.74	32.7	-6519.1<<	-2.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	56	44567.75	-2.10	-571.02	-32.9	22575.8>>	-8.4
	56	44597.08	-0.55	-391.66	32.7	35.0<<	-2.7
	57	44567.75	-2.10	-726.78	-32.9	21829.4>>	-6.0
	57	44597.08	-0.55	-547.41	32.7	-505.1<<	-2.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	57	44569.99	-11.66	-939.07	-162.5	21658.1>>	-4.4
	57	44596.54	-7.77	-486.42	42.7	-521.0<<	3.2
	58	44569.63	-11.69	-1044.49	-102.3	20546.5>>	9.0
	58	44596.54	-7.77	-642.17	42.7	-1169.9<<	12.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	58	44567.04	-11.69	-882.58	-102.3	20570.7>>	9.0
	58	44593.95	-7.77	-480.27	42.7	-1145.6<<	12.1
	59	44566.63	-11.74	-984.32	-35.9	19520.7>>	22.6
	59	44593.95	-7.77	-636.02	42.7	-1787.6<<	21.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	59	44570.08	-28.34	-1196.45	-166.4	19350.8>>	24.6
	59	44593.53	-18.33	-575.11	63.6	-1798.5<<	25.5
	60	44569.61	-28.64	-1301.47	-106.8	17936.5>>	58.2
	60	44593.53	-18.33	-730.86	63.6	-2549.1<<	46.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	60	44564.04	-28.64	-1140.54	-106.8	17959.9>>	58.2
	60	44587.96	-18.33	-569.93	63.6	-2525.7<<	46.9
	61	44563.49	-29.01	-1241.82	-41.1	16607.8>>	92.1
	61	44587.96	-18.33	-725.69	63.6	-3271.0<<	67.9

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	61	44566.30	-46.33	-1454.54	-179.4	16433.2>>	94.8
	61	44585.44	-25.69	-666.21	94.3	-3279.9<<	70.6
	62	44565.75	-47.25	-1559.02	-120.9	14718.4>>	151.0
	62	44585.44	-25.69	-821.97	94.3	-4135.7<<	100.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	62	44557.22	-47.25	-1398.28	-120.9	14738.9>>	151.0
	62	44576.91	-25.69	-661.23	94.3	-4115.1<<	100.2
	63	44579.11	-49.25	-1375.83	-67.8	13198.7>>	212.4
	63	44554.37	-24.75	-940.10	105.7	-5074.5<<	127.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	63	44571.95	-43.53	-1589.92	-221.2	13011.6>>	217.0
	63	44540.37	-12.44	-882.51	152.7	-5080.7<<	133.4
	64	44571.08	-44.74	-1693.76	-164.2	11142.3>>	274.0
	64	44540.37	-12.44	-1038.27	152.7	-6185.2<<	147.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	64	44517.82	-44.74	-1540.76	-164.2	11172.0>>	274.0
	64	44487.11	-12.44	-885.26	152.7	-6155.5<<	147.8
	65	44516.76	-45.50	-1640.83	-100.8	9362.1>>	332.0
	65	44487.11	-12.44	-1041.02	152.7	-7263.4<<	161.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	65	44407.05	43.38	-1866.83	-282.9	9164.6>>	344.0
	65	44381.71	53.55	-993.01	223.0	-7260.6<<	174.4
	66	44404.92	45.75	-1970.20	-225.8	6981.7>>	294.7
	66	44381.71	53.55	-1148.77	223.0	-8492.1<<	112.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	66	44329.64	45.75	-1824.20	-225.8	6984.6>>	294.7
	66	44306.44	53.55	-1002.77	223.0	-8489.1<<	112.6
	67	44368.16	36.28	-852.70	-5.2	5965.5>>	122.3
	67	44265.70	65.83	-2229.64	68.6	-10842.9<<	163.8

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	67	44160.40	210.67	-2298.40	-78.8	5813.1>>	121.4
	67	43969.74	358.51	-3743.25	91.9	-10956.3<<	154.5
	68	44156.29	210.69	-2395.46	3.5	3082.0>>	-136.0
	68	43964.75	358.51	-3899.01	91.9	-15352.9<<	-258.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	68	54817.18	210.69	-2561.07	3.5	8166.2>>	-136.0
	68	54625.64	358.51	-4064.63	91.9	-10268.7<<	-258.1
	69	54862.11	150.41	-2618.84	2.7	5253.5>>	-266.2
	69	54619.22	358.51	-4265.30	91.9	-15060.9<<	-670.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	69	54897.82	17.83	-1870.79	19.4	5180.2>>	-219.5
	69	54770.06	39.60	-3676.11	124.6	-15201.1<<	-539.6
	70	54897.82	17.83	-2071.46	19.4	2913.1>>	-240.0
	70	54770.06	39.60	-3876.78	124.6	-19544.2<<	-585.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	70	54931.67	17.83	-3286.26	19.4	2958.6>>	-240.0
	70	54803.91	39.60	-5091.58	124.6	-19498.8<<	-585.2
	71	54931.67	17.83	-3486.93	19.4	-936.0>>	-260.4
	71	54803.91	39.60	-5292.25	124.6	-25469.5<<	-630.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	71	55137.77	-45.77	3666.32	18.0	-808.9>>	-256.3
	71	55052.15	-113.11	5911.92	104.2	-25421.8<<	-627.3
	72	55137.77	-45.77	3465.65	18.0	3292.0>>	-203.6
	72	55049.58	-112.08	5505.59	64.6	-18952.7<<	-505.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	72	55306.20	-45.77	2536.52	18.0	3436.3>>	-203.6
	72	55218.01	-112.08	4576.46	64.6	-18808.4<<	-505.5
	73	55306.20	-45.77	2335.85	18.0	6238.2>>	-151.1
	73	55218.01	-112.08	4375.79	64.6	-13660.6<<	-376.7

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	73	55388.32	-148.50	3066.63	20.7	6274.0>>	-156.5
	73	55304.87	-360.15	4944.37	45.5	-13709.1<<	-392.3
	74	55392.68	-206.99	3128.59	107.2	9832.4>>	35.7
	74	55311.29	-360.15	4743.70	45.5	-8135.4<<	22.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	74	44472.37	-206.99	2341.48	107.2	4596.7>>	35.7
	74	44390.98	-360.15	3956.58	45.5	-13371.1<<	22.0
	75	44473.93	-200.22	2239.03	176.1	7255.4>>	276.1
	75	44395.97	-360.15	3800.82	45.5	-8908.2<<	436.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	75	44525.99	-3.84	738.21	29.6	7167.5>>	205.1
	75	44458.14	-26.41	2273.30	33.2	-8990.7<<	293.5
	76	44494.91	0.67	1782.05	249.7	8141.9>>	340.0
	76	44489.71	-29.68	974.65	-120.7	-6616.5<<	192.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	76	39845.78	0.67	1935.64	249.7	1394.5>>	340.0
	76	39840.59	-29.68	1128.24	-120.7	-13363.8<<	192.0
	77	39846.49	1.11	1830.85	306.5	3587.4>>	333.5
	77	39840.59	-29.68	972.48	-120.7	-12155.8<<	225.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	77	39836.44	72.71	1675.76	154.1	3385.1>>	314.9
	77	39840.65	36.25	1033.05	-68.2	-12199.5<<	200.9
	78	39838.01	71.35	1570.21	210.6	5224.7>>	226.8
	78	39840.65	36.25	877.29	-68.2	-11101.2<<	159.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	78	39861.30	71.35	1737.35	210.6	5219.8>>	226.8
	78	39863.94	36.25	1044.44	-68.2	-11106.1<<	159.3
	79	39861.30	71.35	1581.60	210.6	7128.1>>	144.5
	79	39863.94	36.25	888.68	-68.2	-9994.6<<	117.3

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	79	39882.95	55.52	1427.27	89.9	6930.5>>	158.9
	79	39888.27	33.52	949.43	-39.4	-10047.3<<	114.4
	80	39884.63	51.14	1559.08	125.5	8582.6>>	93.6
	80	39887.55	37.14	555.59	-16.9	-9142.5<<	75.8
BARRA	80	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	80	39904.84	51.14	1728.26	125.5	8572.0>>	93.6
	80	39907.76	37.14	724.77	-16.9	-9153.0<<	75.8
	81	39904.84	51.14	1572.50	125.5	10470.1>>	35.1
	81	39907.76	37.14	569.02	-16.9	-8409.0<<	33.4
BARRA	81	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	81	39934.25	23.43	1419.55	24.0	10266.5>>	44.6
	81	39933.78	18.45	633.17	1.5	-8463.4<<	39.0
	82	39934.67	23.24	1312.73	83.2	11810.1>>	17.5
	82	39933.78	18.45	477.42	1.5	-7824.5<<	17.8
BARRA	82	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	82	39951.53	23.24	1482.48	83.2	11796.6>>	17.5
	82	39950.64	18.45	647.17	1.5	-7838.0<<	17.8
	83	39951.53	23.24	1326.73	83.2	13412.0>>	-9.2
	83	39950.96	18.40	491.38	2.4	-7183.3<<	-3.5
BARRA	83	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	83	39974.34	5.53	1174.31	-3.2	13205.8>>	-4.0
	83	39972.81	4.53	556.81	12.3	-7239.3<<	-1.2
	84	39974.34	5.53	1018.56	-3.2	14466.7>>	-10.3
	84	39972.81	4.53	401.06	12.3	-6688.6<<	-6.3
BARRA	84	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	84	39987.89	5.53	1189.29	-3.2	14453.1>>	-10.3
	84	39986.35	4.53	571.79	12.3	-6702.1<<	-6.3
	85	39988.05	5.55	1082.07	56.6	15780.8>>	-16.6
	85	39986.35	4.53	416.03	12.3	-6134.1<<	-11.5

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	85	40003.01	-1.43	878.36	-85.5	15577.0>>	-15.0
	85	40001.97	-1.53	484.17	17.0	-6189.9<<	-12.1
	86	40003.06	-1.37	776.35	-19.1	16552.7>>	-13.1
	86	40001.97	-1.53	328.41	17.0	-5722.9<<	-10.2
BARRA	86	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	86	40013.14	-1.37	946.55	-19.1	16540.9>>	-13.1
	86	40012.04	-1.53	498.61	17.0	-5734.7<<	-10.2
	87	40013.17	-1.32	839.05	41.1	17580.4>>	-11.6
	87	40012.04	-1.53	342.85	17.0	-5250.5<<	-8.6
BARRA	87	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	87	40021.84	-2.08	636.52	-93.7	17382.0>>	-11.1
	87	40022.02	-2.50	411.94	18.6	-5304.3<<	-10.4
	88	40021.82	-2.03	534.30	-27.0	18069.6>>	-8.7
	88	40022.02	-2.50	256.18	18.6	-4920.0<<	-7.5
BARRA	88	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	88	40028.52	-2.03	705.64	-27.0	18061.1>>	-8.7
	88	40028.72	-2.50	427.53	18.6	-4928.5<<	-7.5
	89	40028.49	-1.98	597.99	33.3	18812.1>>	-6.4
	89	40028.72	-2.50	271.78	18.6	-4526.4<<	-4.6
BARRA	89	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	89	40032.35	-0.31	396.94	-96.5	18620.2>>	-6.1
	89	40034.15	-1.36	342.12	18.7	-4576.7<<	-6.7
	90	40032.28	-0.27	294.62	-29.7	19020.9>>	-5.8
	90	40034.15	-1.36	186.37	18.7	-4272.6<<	-5.1
BARRA	90	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	90	40035.53	-0.27	465.59	-29.7	19016.5>>	-5.8
	90	40037.39	-1.36	357.34	18.7	-4277.0<<	-5.1
	91	40035.45	-0.23	357.90	30.8	19479.6>>	-5.4
	91	40037.39	-1.36	201.59	18.7	-3955.7<<	-3.5

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	91	40034.56	1.60	152.26	-96.6	19295.4>>	-4.7
	91	40038.20	-0.09	267.18	18.1	-4000.7<<	-5.4
	92	40034.44	1.63	49.96	-29.7	19402.4>>	-6.6
	92	40037.08	0.61	28.63	23.2	-3871.6<<	-5.5
BARRA	92	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	92	40032.61	1.63	212.34	-29.7	19404.6>>	-6.6
	92	40035.26	0.61	191.01	23.2	-3869.3<<	-5.5
	93	40032.48	1.68	104.72	30.8	19564.9>>	-8.5
	93	40035.26	0.61	35.26	23.2	-3739.2<<	-6.2
BARRA	93	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	93	40027.79	2.02	-104.65	-96.3	19386.5>>	-7.2
	93	40031.57	0.54	97.13	23.7	-3778.8<<	-6.2
	94	40027.60	2.06	-206.83	-29.4	19187.0>>	-9.3
	94	40031.57	0.54	-58.62	23.7	-3756.6<<	-6.6
BARRA	94	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	94	40022.62	2.06	-44.52	-29.4	19192.8>>	-9.3
	94	40026.59	0.54	103.69	23.7	-3750.8<<	-6.6
	95	40022.62	2.06	-200.28	-29.4	19052.0>>	-11.8
	95	40026.59	0.54	-52.07	23.7	-3721.2<<	-7.2
BARRA	95	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	95	40003.48	-1.25	-363.51	-98.5	18869.0>>	-9.4
	95	40008.66	-2.51	7.58	25.2	-3760.4<<	-6.5
	96	40003.19	-1.21	-465.44	-31.7	18361.4>>	-8.0
	96	40008.66	-2.51	-148.17	25.2	-3841.5<<	-3.6
BARRA	96	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	96	42283.26	-1.21	-303.36	-31.7	21643.3>>	-8.0
	96	42288.74	-2.51	13.91	25.2	-559.6<<	-3.6
	97	42283.26	-1.21	-459.11	-31.7	21205.1>>	-6.6
	97	42288.74	-2.51	-141.84	25.2	-632.9<<	-0.7

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	97	42280.25	-10.73	-671.63	-161.1	21028.6>>	-3.1
	97	42286.27	-9.81	-81.29	34.1	-655.6<<	0.3
	98	42279.87	-10.77	-776.91	-100.9	20223.9>>	9.2
	98	42286.27	-9.81	-237.05	34.1	-838.8<<	11.6
BARRA	98	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	98	42273.07	-10.77	-615.00	-100.9	20242.1>>	9.2
	98	42279.48	-9.81	-75.14	34.1	-820.6<<	11.6
	99	42272.64	-10.82	-716.58	-34.5	19499.8>>	21.7
	99	42279.48	-9.81	-230.90	34.1	-996.5<<	22.9
BARRA	99	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	99	42270.80	-27.38	-929.60	-167.1	19323.0>>	25.9
	99	42277.14	-20.50	-171.01	51.8	-1015.6<<	23.1
	100	42270.31	-27.68	-1034.46	-107.5	18215.6>>	57.9
	100	42277.14	-20.50	-326.76	51.8	-1301.5<<	46.7
BARRA	100	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	100	42260.54	-27.68	-873.53	-107.5	18233.1>>	57.9
	100	42267.37	-20.50	-165.83	51.8	-1284.1<<	46.7
	101	42259.97	-28.05	-974.63	-41.8	17188.8>>	90.7
	101	42267.37	-20.50	-321.59	51.8	-1564.4<<	70.1
BARRA	101	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	101	42257.49	-45.30	-1188.19	-182.9	17007.5>>	95.6
	101	42262.92	-27.91	-263.02	79.4	-1581.0<<	68.8
	102	42256.90	-46.23	-1292.48	-124.4	15599.7>>	150.3
	102	42262.92	-27.91	-418.78	79.4	-1973.3<<	100.8
BARRA	102	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	102	42244.20	-46.23	-1131.75	-124.4	15614.1>>	150.3
	102	42250.22	-27.91	-258.04	79.4	-1958.9<<	100.8
	103	42255.88	-51.08	-1004.34	-79.0	14504.8>>	214.1
	103	42237.86	-24.11	-641.68	98.6	-2576.9<<	127.1

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	103	42246.76	-45.28	-1219.43	-236.9	14309.1>>	214.4
	103	42218.56	-11.80	-584.54	144.3	-2589.1<<	135.5
	104	42245.85	-46.50	-1323.07	-180.0	12867.8>>	273.3
	104	42218.56	-11.80	-740.29	144.3	-3350.7<<	149.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	104	42188.42	-46.50	-1170.07	-180.0	12891.5>>	273.3
	104	42161.14	-11.80	-587.29	144.3	-3327.0<<	149.1
	105	42187.33	-47.26	-1269.95	-116.6	11510.1>>	333.4
	105	42161.14	-11.80	-743.05	144.3	-4092.1<<	162.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	105	42075.61	41.39	-1496.96	-303.9	11304.2>>	341.3
	105	42050.25	54.52	-695.43	213.4	-4094.7<<	177.2
	106	42115.11	31.29	-511.61	-94.0	9609.6>>	167.9
	106	42008.57	66.99	-1939.70	60.5	-5044.6<<	240.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	106	42035.67	31.29	-365.61	-94.0	9606.6>>	167.9
	106	41929.13	66.99	-1793.69	60.5	-5047.7<<	240.9
	107	42033.42	34.09	-465.01	-27.8	9157.0>>	124.9
	107	41929.13	66.99	-1949.45	60.5	-7199.9<<	163.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	107	41836.99	207.06	-1837.24	-107.8	8998.9>>	122.0
	107	41637.19	360.45	-3388.45	83.8	-7318.2<<	157.8
	108	41884.72	146.84	-1789.42	-26.1	6839.3>>	-88.0
	108	41632.21	360.45	-3544.21	83.8	-11306.7<<	-256.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	108	51202.93	146.84	-1913.69	-26.1	11859.6>>	-88.0
	108	50950.42	360.45	-3668.48	83.8	-6286.5<<	-256.6
	109	51196.51	146.84	-2114.36	-26.1	9542.6>>	-257.1
	109	50944.00	360.45	-3869.15	83.8	-10622.5<<	-671.5

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	109	51213.61	16.74	-1484.39	-14.5	9462.0>>	-218.4
	109	51077.54	41.07	-3397.07	118.4	-10765.9<<	-540.6
	110	51213.61	16.74	-1685.06	-14.5	7639.4>>	-237.5
	110	51077.54	41.07	-3597.74	118.4	-14788.1<<	-587.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	110	51240.89	16.74	-2898.91	-14.5	7679.0>>	-237.5
	110	51104.82	41.07	-4811.59	118.4	-14748.5<<	-587.8
	111	51240.89	16.74	-3099.58	-14.5	4229.9>>	-256.9
	111	51101.23	44.03	-5230.76	68.5	-20531.0<<	-640.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	111	51457.88	-46.44	3019.62	-12.4	4367.8>>	-257.3
	111	51359.57	-111.05	4997.71	56.4	-20468.4<<	-636.5
	112	51459.13	-46.42	2854.34	-21.9	7736.0>>	-203.3
	112	51359.57	-111.05	4797.05	56.4	-14836.4<<	-509.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	112	51633.30	-46.42	1743.87	-21.9	7883.6>>	-203.3
	112	51533.74	-111.05	3686.58	56.4	-14688.8<<	-509.0
	113	51633.30	-46.42	1543.20	-21.9	9773.6>>	-149.9
	113	51533.74	-111.05	3485.91	56.4	-10564.7<<	-381.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	113	51725.69	-150.52	2074.16	-9.8	9794.6>>	-159.2
	113	51632.34	-360.84	3853.23	43.1	-10627.5<<	-396.2
	114	51729.45	-209.09	2106.65	84.7	12117.5>>	35.1
	114	51638.76	-360.84	3652.56	43.1	-6309.5<<	19.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	114	42120.86	-209.09	1636.21	84.7	6915.1>>	35.1
	114	42030.18	-360.84	3182.13	43.1	-11511.9<<	19.1
	115	42122.45	-202.32	1533.26	153.7	8766.8>>	277.9
	115	42035.14	-359.61	3026.35	47.4	-7940.1<<	433.8

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	115	42159.59	-3.81	179.11	79.0	8678.2>>	204.2
	115	42077.88	-26.06	1588.91	36.1	-8026.7<<	292.4
	116	42128.21	0.01	1150.32	293.9	9355.1>>	335.8
	116	42109.97	-29.43	356.62	-122.0	-6847.5<<	190.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	116	39838.25	0.01	1321.11	293.9	5979.4>>	335.8
	116	39820.01	-29.43	527.42	-122.0	-10223.2<<	190.4
	117	39838.25	0.01	1165.36	293.9	7409.1>>	335.5
	117	39820.01	-29.43	371.66	-122.0	-9706.2<<	224.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	117	39833.69	71.75	1027.59	147.5	7213.2>>	314.6
	117	39824.05	36.35	449.68	-67.0	-9748.1<<	199.7
	118	39835.25	70.41	921.48	204.0	8310.1>>	227.7
	118	39824.05	36.35	293.93	-67.0	-9320.5<<	158.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	118	39860.63	70.41	1103.76	204.0	8302.0>>	227.7
	118	39849.42	36.35	476.21	-67.0	-9328.6<<	158.1
	119	39860.63	70.41	948.00	204.0	9481.9>>	146.8
	119	39849.42	36.35	320.45	-67.0	-8870.4<<	116.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	119	39885.43	54.49	811.08	90.4	9286.8>>	158.6
	119	39875.27	33.62	398.86	-33.6	-8923.6<<	113.7
	120	39869.75	52.19	920.80	127.9	10375.1>>	93.3
	120	39891.89	35.17	26.54	-13.1	-8794.6<<	76.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	120	39891.43	52.19	1106.00	127.9	10361.5>>	93.3
	120	39913.57	35.17	211.74	-13.1	-8808.2<<	76.3
	121	39891.43	52.19	950.24	127.9	11544.0>>	33.5
	121	39913.57	35.17	55.98	-13.1	-8654.1<<	36.1

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	121	39920.86	24.41	814.72	33.2	11343.1>>	45.1
	121	39942.63	16.70	137.78	10.0	-8708.4<<	38.0
	122	39921.26	24.23	707.33	92.5	12190.3>>	16.9
	122	39942.63	16.70	-17.98	10.0	-8639.9<<	18.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	122	39938.85	24.23	892.27	92.5	12174.9>>	16.9
	122	39960.22	16.70	166.96	10.0	-8655.3<<	18.8
	123	39938.85	24.23	736.52	92.5	13111.6>>	-10.9
	123	39960.22	16.70	11.21	10.0	-8552.7<<	-0.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	123	39960.95	6.62	602.71	11.6	12906.5>>	-3.6
	123	39984.50	3.00	95.51	24.5	-8608.6<<	-1.9
	124	39960.95	6.62	446.96	11.6	13510.2>>	-11.2
	124	39984.50	3.00	-60.25	24.5	-8588.1<<	-5.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	124	39974.74	6.62	633.27	11.6	13495.4>>	-11.2
	124	39998.30	3.00	126.06	24.5	-8602.9<<	-5.3
	125	39974.87	6.65	525.48	71.5	14181.4>>	-18.6
	125	39998.30	3.00	-29.69	24.5	-8547.5<<	-8.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	125	39988.10	-0.14	339.09	-65.7	13980.5>>	-14.9
	125	40015.38	-2.89	55.53	34.0	-8602.0<<	-13.0
	126	39988.12	-0.08	236.52	0.8	14333.5>>	-14.6
	126	40015.38	-2.89	-100.23	34.0	-8627.6<<	-9.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	126	39997.57	-0.08	424.28	0.8	14322.0>>	-14.6
	126	40024.83	-2.89	87.52	34.0	-8639.0<<	-9.6
	127	39997.57	-0.02	316.23	61.0	14756.6>>	-14.5
	127	40024.83	-2.89	-60.23	34.0	-8628.2<<	-6.2

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	127	40003.77	-0.42	130.09	-70.4	14562.3>>	-12.1
	127	40035.60	-3.65	17.10	39.9	-8679.1<<	-12.0
	128	40003.70	-0.36	27.34	-3.6	14663.2>>	-11.6
	128	40035.60	-3.65	-138.65	39.9	-8748.8<<	-7.8
BARRA	128	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	128	40008.95	-0.36	214.90	-3.6	14656.3>>	-11.6
	128	40040.85	-3.65	48.91	39.9	-8755.7<<	-7.8
	129	40008.88	-0.31	106.72	56.7	14838.1>>	-11.1
	129	40040.85	-3.65	-106.85	39.9	-8789.0<<	-3.5
BARRA	129	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	129	40009.63	1.40	-78.10	-71.4	14650.1>>	-8.6
	129	40046.48	-2.62	-20.32	43.9	-8836.1<<	-9.3
	130	40009.50	1.45	-180.92	-4.6	14498.7>>	-10.2
	130	40046.87	-1.95	-270.02	48.9	-8990.2<<	-6.2
BARRA	130	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	130	40009.64	1.45	2.17	-4.6	14498.3>>	-10.2
	130	40047.01	-1.95	-86.93	48.9	-8990.6<<	-6.2
	131	40009.49	1.51	-106.00	55.9	14423.0>>	-11.8
	131	40047.01	-1.95	-242.69	48.9	-9180.0<<	-3.9
BARRA	131	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	131	40004.15	2.27	-300.54	-71.9	14243.3>>	-8.6
	131	40045.95	-1.74	-165.80	52.8	-9219.0<<	-7.9
	132	40003.93	2.32	-403.30	-5.0	13823.7>>	-11.1
	132	40045.95	-1.74	-321.56	52.8	-9499.2<<	-5.7
BARRA	132	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	132	39999.24	2.32	-225.53	-5.0	13829.2>>	-11.1
	132	40041.26	-1.74	-143.79	52.8	-9493.7<<	-5.7
	133	39999.24	2.32	-381.29	-5.0	13480.3>>	-13.8
	133	40041.26	-1.74	-299.55	52.8	-9748.6<<	-3.7

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BARRA	133	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	133	39990.94	-0.51	-529.50	-75.0	13303.3>>	-9.5
	133	40037.48	-4.44	-224.09	56.3	-9784.5<<	-6.9
	134	39990.61	-0.47	-632.08	-8.3	12608.9>>	-8.8
	134	40037.48	-4.44	-379.84	56.3	-10131.4<<	-1.7
BARRA	134	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	134	46395.33	-0.47	-454.69	-8.3	16343.3>>	-8.8
	134	46442.20	-4.44	-202.45	56.3	-6397.0<<	-1.7
	135	46395.33	-0.47	-610.45	-8.3	15730.7>>	-8.4
	135	46442.20	-4.44	-350.21	56.3	-6719.4<<	3.3
BARRA	135	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	135	46429.52	-9.76	-756.93	-78.1	15564.3>>	-2.9
	135	46480.66	-11.55	-281.24	66.9	-6732.1<<	0.5
	136	46429.52	-9.76	-912.68	-78.1	14604.4>>	8.3
	136	46480.66	-11.55	-436.99	66.9	-7145.0<<	13.7
BARRA	136	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	136	46429.42	-9.76	-736.82	-78.1	14624.8>>	8.3
	136	46480.56	-11.55	-261.13	66.9	-7124.5<<	13.7
	137	46428.93	-9.80	-839.09	-11.7	13743.0>>	19.6
	137	46480.56	-11.55	-416.89	66.9	-7514.4<<	27.0
BARRA	137	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	137	46431.84	-26.16	-1035.84	-144.9	13567.9>>	25.9
	137	46486.28	-22.13	-340.50	86.1	-7530.1<<	23.4
	138	46431.28	-26.46	-1141.39	-85.2	12338.1>>	56.3
	138	46486.28	-22.13	-496.26	86.1	-8010.8<<	48.6
BARRA	138	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	138	46427.53	-26.46	-966.07	-85.2	12358.4>>	56.3
	138	46482.54	-22.13	-320.94	86.1	-7990.5<<	48.6
	139	46426.88	-26.82	-1067.89	-19.5	11205.6>>	88.0
	139	46482.54	-22.13	-476.70	86.1	-8449.6<<	74.2

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	139	46428.70	-43.89	-1266.10	-160.9	11025.5>>	94.7
	139	46485.72	-29.46	-402.49	115.2	-8463.2<<	68.8
	140	46428.01	-44.81	-1371.11	-102.4	9525.6>>	147.8
	140	46485.72	-29.46	-558.25	115.2	-9015.5<<	102.5
BARRA	140	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	140	46420.47	-44.81	-1196.03	-102.4	9542.9>>	147.8
	140	46478.19	-29.46	-383.17	115.2	-8998.2<<	102.5
	141	46432.32	-49.97	-1021.94	-58.1	8133.0>>	210.2
	141	46465.54	-25.34	-814.23	135.6	-9538.4<<	130.0
BARRA	141	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	141	46427.41	-44.01	-1222.36	-218.2	7937.5>>	211.3
	141	46452.93	-12.91	-741.68	182.7	-9547.1<<	135.1
	142	46426.37	-45.21	-1326.74	-161.2	6487.3>>	268.7
	142	46452.93	-12.91	-897.43	182.7	-10489.6<<	149.8
BARRA	142	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	142	46370.49	-45.21	-1160.81	-161.2	6517.5>>	268.7
	142	46397.05	-12.91	-731.51	182.7	-10459.4<<	149.8
	143	46369.27	-45.96	-1261.42	-97.7	5140.1>>	327.6
	143	46397.05	-12.91	-887.26	182.7	-11390.3<<	164.7
BARRA	143	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	143	46258.41	42.16	-1474.37	-287.8	4938.0>>	336.5
	143	46289.42	53.29	-824.75	253.2	-11385.6<<	176.0
	144	46256.10	44.55	-1578.26	-230.6	3201.1>>	288.6
	144	46289.42	53.29	-980.50	253.2	-12423.4<<	114.5
BARRA	144	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	144	46178.40	44.55	-1419.59	-230.6	3203.7>>	288.6
	144	46211.71	53.29	-821.83	253.2	-12420.7<<	114.5
	145	46220.55	34.74	-512.42	-1.4	2082.2>>	118.8
	145	46167.17	65.92	-1984.89	90.4	-14005.4<<	165.1

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	145	46023.96	204.43	-2060.20	-152.3	1922.5>>	125.5
	145	45875.28	358.72	-3545.73	113.5	-14120.3<<	154.8
	146	46017.23	206.31	-2161.96	-83.6	-482.0>>	-122.1
	146	45870.30	358.72	-3701.49	113.5	-18289.9<<	-257.7
BARRA	146	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	146	56701.17	206.31	-2059.15	-83.6	4603.5>>	-122.1
	146	56554.23	358.72	-3598.68	113.5	-13204.3<<	-257.7
	147	56751.66	144.94	-2027.72	-8.9	2240.1>>	-260.8
	147	56547.81	358.72	-3799.35	113.5	-17460.1<<	-670.9
BARRA	147	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	147	56975.36	15.07	-1280.94	-4.5	2299.1>>	-219.8
	147	56888.09	39.80	-3207.94	144.0	-17460.9<<	-536.6
	148	56975.36	15.07	-1481.61	-4.5	710.6>>	-237.2
	148	56888.09	39.80	-3408.61	144.0	-21265.5<<	-582.4
BARRA	148	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	148	57159.82	15.07	-2877.12	-4.5	880.3>>	-237.2
	148	57072.54	39.80	-4804.12	144.0	-21095.7<<	-582.4
	149	57159.82	15.07	-3077.79	-4.5	-2543.8>>	-254.5
	149	57072.54	39.80	-5004.79	144.0	-26735.9<<	-628.1
BARRA	149	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	149	57368.97	-47.52	4026.35	-15.1	-2427.2>>	-254.8
	149	57320.35	-112.12	6177.21	117.8	-26694.4<<	-622.1
	150	57368.97	-47.52	3825.68	-15.1	2087.7>>	-200.3
	150	57315.21	-110.94	5745.64	77.0	-19721.6<<	-502.0
BARRA	150	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	150	57544.45	-47.52	2873.95	-15.1	2229.8>>	-200.3
	150	57490.68	-110.94	4793.91	77.0	-19579.5<<	-502.0
	151	57544.45	-47.52	2673.28	-15.1	5419.7>>	-145.9
	151	57490.68	-110.94	4593.25	77.0	-14181.6<<	-374.6

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	151	57622.76	-148.03	3451.71	-17.4	5447.4>>	-157.4
	151	57574.05	-356.99	5209.27	49.0	-14236.2<<	-388.0
	152	57623.97	-206.36	3487.63	77.3	9322.6>>	33.8
	152	57580.47	-356.99	5008.60	49.0	-8357.9<<	22.8

BARRA	152	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	152	46737.52	-206.36	2690.97	77.3	4102.9>>	33.8
	152	46694.02	-356.99	4211.94	49.0	-13577.6<<	22.8
	153	46739.26	-199.60	2589.77	146.2	7160.1>>	273.4
	153	46699.00	-356.99	4056.18	49.0	-8820.9<<	433.5

BARRA	153	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	153	46807.58	-5.40	1018.20	-6.9	7065.1>>	201.2
	153	46769.71	-24.56	2455.83	26.8	-8908.2<<	296.4
	154	46806.05	-1.26	2096.43	214.9	8503.8>>	339.6
	154	46772.08	-27.47	1124.04	-128.7	-6468.3<<	190.0

BARRA	154	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	154	48600.59	-1.26	2253.76	214.9	5581.3>>	339.6
	154	48566.62	-27.47	1281.37	-128.7	-9390.8<<	190.0
	155	48601.68	-0.84	2150.21	271.6	8139.6>>	335.9
	155	48566.62	-27.47	1125.61	-128.7	-8006.9<<	221.9

BARRA	155	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	155	48597.27	70.24	1999.20	113.3	7932.8>>	312.7
	155	48566.54	38.25	1189.01	-82.4	-8052.3<<	201.8
	156	48599.35	68.85	1894.83	169.8	10146.6>>	227.4
	156	48566.54	38.25	1033.25	-82.4	-6774.3<<	157.7

BARRA	156	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	156	48624.99	68.85	2065.83	169.8	10141.2>>	227.4
	156	48592.19	38.25	1204.25	-82.4	-6779.6<<	157.7
	157	48624.99	68.85	1910.07	169.8	12427.4>>	148.4
	157	48592.19	38.25	1048.49	-82.4	-5484.3<<	113.9

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BARRA	157	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	157	48652.19	52.97	1760.54	45.2	12228.6>>	157.7
	157	48616.39	35.46	1112.84	-57.4	-5538.4<<	115.4
	158	48653.61	52.18	1655.35	103.2	14172.0>>	95.3
	158	48616.39	35.46	957.08	-57.4	-4348.1<<	74.4

BARRA	158	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	158	48676.11	52.18	1828.51	103.2	14160.5>>	95.3
	158	48638.89	35.46	1130.24	-57.4	-4359.6<<	74.4
	159	48676.11	52.18	1672.75	103.2	16173.6>>	35.4
	159	48638.89	35.46	974.49	-57.4	-3149.6<<	33.8

BARRA	159	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	159	48707.11	24.45	1524.87	0.5	15976.0>>	47.1
	159	48668.51	17.10	1041.95	-45.1	-3208.9<<	36.6
	160	48707.94	24.25	1418.95	59.6	17647.1>>	19.2
	160	48668.51	17.10	886.19	-45.1	-2100.4<<	17.1

BARRA	160	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	160	48758.27	24.25	1589.72	59.6	17608.3>>	19.2
	160	48718.84	17.10	1056.96	-45.1	-2139.2<<	17.1
	161	48758.27	24.25	1433.96	59.6	19346.9>>	-8.8
	161	48718.84	17.10	901.20	-45.1	-1013.3<<	-2.6

BARRA	161	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	161	48845.19	6.88	1281.43	-27.2	19092.7>>	-1.4
	161	48807.01	3.49	965.04	-40.4	-1129.8<<	-3.2
	162	48845.70	6.89	1174.88	32.6	20478.2>>	-9.3
	162	48807.01	3.49	809.28	-40.4	-109.5<<	-7.2

BARRA	162	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	162	48924.59	6.89	1346.11	32.6	20401.3>>	-9.3
	162	48885.90	3.49	980.51	-40.4	-186.4<<	-7.2
	163	48924.59	6.89	1190.36	32.6	21859.7>>	-17.0
	163	48885.90	3.49	824.76	-40.4	851.5<<	-11.1

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	163	49004.01	0.61	1042.92	-43.1	21589.1>>	-13.1
	163	48968.29	-2.33	894.29	-41.0	722.8<<	-14.4
	164	49004.01	0.61	887.16	-43.1	22699.0>>	-13.9
	164	48968.29	-2.33	738.53	-41.0	1661.8<<	-11.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	164	49079.31	0.61	1060.82	-43.1	22614.0>>	-13.9
	164	49043.60	-2.33	912.19	-41.0	1576.8<<	-11.9
	165	49079.70	0.66	953.71	17.0	23791.5>>	-14.3
	165	49043.60	-2.33	756.43	-41.0	2536.3<<	-8.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	165	49152.36	0.56	756.17	-117.4	23516.8>>	-12.0
	165	49120.46	-3.20	830.04	-44.9	2400.7<<	-13.7
	166	49152.69	0.62	654.17	-50.6	24347.5>>	-12.6
	166	49120.46	-3.20	674.28	-44.9	3265.7<<	-10.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	166	49224.79	0.62	832.01	-50.6	24258.4>>	-12.6
	166	49192.55	-3.20	852.12	-44.9	3176.6<<	-10.1
	167	49225.12	0.67	724.38	9.8	25158.3>>	-13.2
	167	49192.55	-3.20	696.36	-44.9	4067.1<<	-6.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	167	49293.22	1.92	531.48	-119.1	24885.2>>	-10.6
	167	49265.10	-2.52	774.49	-51.1	3929.7<<	-11.1
	168	49293.52	1.97	428.99	-52.1	25440.8>>	-12.7
	168	49265.10	-2.52	618.73	-51.1	4730.6<<	-8.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	168	49361.91	1.97	609.43	-52.1	25352.7>>	-12.7
	168	49333.49	-2.52	799.17	-51.1	4642.5<<	-8.1
	169	49362.23	2.03	501.35	8.4	25978.5>>	-15.1
	169	49333.49	-2.52	643.41	-51.1	5472.1<<	-5.2

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	169	49425.57	0.26	303.65	-116.7	25713.2>>	-11.2
	169	49400.93	-3.00	716.68	-58.4	5339.4<<	-9.6
	170	49425.87	0.30	200.73	-49.5	25987.1>>	-11.6
	170	49400.93	-3.00	560.93	-58.4	6073.8<<	-6.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	170	49488.12	0.30	370.92	-49.5	25906.9>>	-11.6
	170	49463.17	-3.00	731.12	-58.4	5993.7<<	-6.1
	171	49488.12	0.30	215.16	-49.5	26244.0>>	-11.9
	171	49463.17	-3.00	575.36	-58.4	6744.9<<	-2.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	171	49549.84	-8.71	60.72	-112.1	25981.7>>	-6.3
	171	49527.27	-6.67	644.64	-66.9	6619.5<<	-6.1
	172	49549.84	-8.71	-95.04	-112.1	25961.8>>	3.7
	172	49527.27	-6.67	488.89	-66.9	7271.1<<	1.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	172	49590.97	-8.71	76.33	-112.1	25914.0>>	3.7
	172	49568.40	-6.67	660.26	-66.9	7223.2<<	1.6
	173	49591.30	-8.78	-26.98	-44.8	25964.5>>	13.8
	173	49568.40	-6.67	504.50	-66.9	7893.0<<	9.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	173	49510.81	-27.89	-234.35	-167.7	25854.3>>	20.8
	173	49487.98	-14.40	570.10	-75.8	7924.6<<	5.8
	174	49511.23	-28.27	-341.33	-106.6	25534.5>>	53.5
	174	49487.98	-14.40	414.34	-75.8	8490.5<<	22.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	174	49274.71	-28.27	-176.10	-106.6	25577.4>>	53.5
	174	49251.47	-14.40	579.57	-75.8	8533.5<<	22.2
	175	49275.18	-28.74	-279.75	-38.9	25312.3>>	87.4
	175	49251.47	-14.40	423.82	-75.8	9110.5<<	38.7

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	175	49211.51	-54.57	-490.86	-162.9	25204.5>>	96.9
	175	49185.40	-23.92	485.96	-84.8	9143.2<<	35.3
	176	49212.16	-55.79	-598.13	-101.2	24563.6>>	163.1
	176	49185.40	-23.92	330.21	-84.8	9612.4<<	62.7
BARRA	176	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	176	49136.40	-55.79	-435.66	-101.2	24641.6>>	163.1
	176	49109.64	-23.92	492.68	-84.8	9690.3<<	62.7
	177	49137.08	-57.19	-539.58	-32.8	24051.1>>	233.1
	177	49109.64	-23.92	336.93	-84.8	10167.4<<	90.4
BARRA	177	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	177	49063.42	-67.74	-753.82	-160.4	23934.1>>	249.5
	177	49037.14	-26.31	397.06	-93.1	10190.9<<	88.3
	178	49063.42	-67.74	-909.57	-160.4	22977.5>>	327.5
	178	49037.14	-26.31	241.31	-93.1	10557.8<<	118.7
BARRA	178	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	178	48983.98	-67.74	-750.76	-160.4	23043.4>>	327.5
	178	48957.70	-26.31	400.11	-93.1	10623.7<<	118.7
	179	48984.61	-69.63	-858.36	-97.3	22131.5>>	416.8
	179	48957.70	-26.31	244.36	-93.1	10994.1<<	148.9
BARRA	179	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	179	48871.02	1.79	-1067.15	-213.1	21994.1>>	443.3
	179	48867.46	0.72	301.04	-99.0	11002.9<<	152.1
	180	48870.64	2.30	-1184.23	-162.5	20695.4>>	451.8
	180	48867.46	0.72	145.29	-99.0	11259.2<<	151.2
BARRA	180	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	180	48787.49	2.30	-1028.65	-162.5	20743.6>>	451.8
	180	48784.31	0.72	300.86	-99.0	11307.4<<	151.2
	181	48787.05	3.87	-1136.70	-94.1	19480.4>>	453.4
	181	48784.31	0.72	145.10	-99.0	11563.8<<	150.4

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	181	48511.94	302.60	-2927.80	-242.0	19317.0>>	462.3
	181	48637.34	102.37	-1354.91	-96.5	11553.7<<	158.1
	182	48504.42	308.86	-3062.01	-210.6	15883.0>>	111.2
	182	48632.35	102.37	-1510.67	-96.5	9905.0<<	40.4
BARRA	182	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	182	48423.47	308.86	-2909.76	-210.6	15910.1>>	111.2
	182	48551.40	102.37	-1358.42	-96.5	9932.1<<	40.4
	183	48416.30	313.45	-3070.10	-143.8	12481.9>>	-257.1
	183	48544.98	102.37	-1559.09	-96.5	8253.6<<	-77.6
BARRA	183	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	183	48533.44	-33.81	-1696.90	-188.0	12319.1>>	-106.4
	183	48531.38	-13.83	56.97	-70.6	8233.1<<	-39.4
	184	48534.73	-37.14	-1873.50	-131.8	10257.4>>	-71.7
	184	48531.38	-13.83	-143.70	-70.6	8183.1<<	-23.5
BARRA	184	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	184	48459.75	-37.14	-1761.93	-131.8	10258.0>>	-71.7
	184	48456.40	-13.83	-32.14	-70.6	8183.7<<	-23.5
	185	48460.34	-38.34	-1944.54	-92.1	8134.0>>	-29.4
	185	48455.82	-14.86	-564.71	-149.7	8012.1<<	-13.5

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	801	39660.08	-58.77	520.87	-110.4	7181.0>>	22.6
	801	39609.67	-24.43	-357.47	-141.5	7069.8<<	11.0
	802	39700.85	-65.22	542.73	-102.0	7917.5>>	95.3
	802	39533.31	-8.99	-1115.70	-61.5	5928.3<<	20.8
BARRA	802	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	802	39849.64	-65.22	705.85	-102.0	7920.4>>	95.3
	802	39682.10	-8.99	-952.58	-61.5	5931.3<<	20.8
	803	39843.64	-61.00	538.15	-180.7	8654.0>>	160.3
	803	39682.10	-8.99	-1153.25	-61.5	4720.6<<	30.9
BARRA	803	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	803	39826.16	302.24	1685.37	-106.8	8823.1>>	285.5
	803	39817.53	103.07	246.07	-75.5	4739.8<<	75.9
	804	39827.91	299.06	1528.62	-187.1	10674.0>>	-72.8
	804	39823.95	103.07	45.41	-75.5	4907.4<<	-42.7
BARRA	804	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	804	39984.68	299.06	1753.00	-187.1	10634.6>>	-72.8
	804	39980.73	103.07	269.78	-75.5	4868.0<<	-42.7
	805	39987.14	293.36	1625.88	-235.5	12576.4>>	-416.4
	805	39985.71	103.07	114.03	-75.5	5089.0<<	-161.3
BARRA	805	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	805	40284.74	-3.12	209.68	-121.8	12730.1>>	-434.1
	805	40177.36	3.75	-1041.14	-67.9	5089.3<<	-144.7
	806	40284.74	-3.12	53.93	-121.8	12881.7>>	-430.6
	806	40177.36	3.75	-1196.90	-67.9	3802.5<<	-149.1
BARRA	806	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	806	40441.94	-3.12	282.06	-121.8	12814.2>>	-430.6
	806	40334.55	3.75	-968.77	-67.9	3735.0<<	-149.1
	807	40438.41	-3.85	168.01	-182.6	13091.2>>	-418.3
	807	40334.55	3.75	-1124.52	-67.9	2531.5<<	-153.2

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	807	40610.06	-78.40	25.53	-42.7	13216.3>>	-422.9
	807	40502.13	-22.40	-994.31	-53.0	2505.0<<	-141.2
	808	40606.42	-76.07	-82.10	-109.4	13183.9>>	-323.4
	808	40502.13	-22.40	-1150.07	-53.0	1271.7<<	-115.3
BARRA	808	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	808	40755.71	-76.07	152.38	-109.4	13095.3>>	-323.4
	808	40651.43	-22.40	-915.59	-53.0	1183.1<<	-115.3
	809	40752.43	-73.79	38.95	-166.5	13189.5>>	-229.9
	809	40651.43	-22.40	-1071.35	-53.0	40.8<<	-89.6
BARRA	809	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	809	40880.88	-66.83	-94.64	-35.6	13296.3>>	-241.5
	809	40796.80	-20.36	-935.69	-38.2	-1.6<<	-82.9
	810	40880.88	-66.83	-250.40	-35.6	13097.9>>	-164.7
	810	40796.80	-20.36	-1091.45	-38.2	-1167.2<<	-59.5
BARRA	810	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	810	41022.61	-66.83	-7.61	-35.6	12998.9>>	-164.7
	810	40938.52	-20.36	-848.66	-38.2	-1266.3<<	-59.5
	811	41020.32	-65.05	-114.77	-100.7	12952.9>>	-85.9
	811	40938.52	-20.36	-1004.42	-38.2	-2331.6<<	-36.0
BARRA	811	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	811	41135.18	-41.61	-245.75	35.3	13045.9>>	-102.2
	811	41073.54	-11.74	-862.06	-25.8	-2379.8<<	-31.0
	812	41133.90	-40.68	-353.66	-30.0	12715.0>>	-53.4
	812	41073.54	-11.74	-1017.81	-25.8	-3460.9<<	-17.6
BARRA	812	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	812	41223.30	-40.68	-104.91	-30.0	12666.1>>	-53.4
	812	41162.93	-11.74	-769.05	-25.8	-3509.8<<	-17.6
	813	41222.22	-39.88	-211.64	-94.4	12479.7>>	-6.7
	813	41162.93	-11.74	-924.81	-25.8	-4483.5<<	-4.2

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA	813	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	813	41170.15	-22.03	-336.06	40.5	12787.1>>	-23.1
	813	41127.74	-4.55	-776.20	-16.7	-4318.7<<	1.1
	814	41169.69	-21.64	-443.49	-24.3	12325.4>>	2.2
	814	41127.74	-4.55	-931.96	-16.7	-5300.9<<	6.2

BARRA	814	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	814	41136.27	-21.64	-201.79	-24.3	12438.6>>	2.2
	814	41094.32	-4.55	-690.26	-16.7	-5187.7<<	6.2
	815	41136.27	-21.64	-357.55	-24.3	12116.8>>	27.3
	815	41094.32	-4.55	-846.02	-16.7	-6071.2<<	11.6

BARRA	815	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	815	41087.17	-10.58	-450.93	46.1	12422.7>>	10.6
	815	41059.39	0.92	-716.08	-13.6	-5908.1<<	16.8
	816	41087.17	-10.58	-606.69	46.1	11814.6>>	22.8
	816	41059.39	0.92	-871.84	-13.6	-6821.2<<	15.8

BARRA	816	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	816	43023.46	-10.58	-378.43	46.1	15107.4>>	22.8
	816	42995.68	0.92	-643.58	-13.6	-3528.3<<	15.8
	817	43023.46	-10.38	-485.28	-18.4	14629.8>>	34.8
	817	42995.68	0.92	-799.33	-13.6	-4358.0<<	14.8

BARRA	817	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	817	42973.60	-0.15	-625.03	110.3	14926.5>>	19.3
	817	42958.57	8.43	-673.57	-17.9	-4189.8<<	21.0
	818	42973.88	0.06	-737.82	54.4	14163.1>>	19.6
	818	42958.57	8.43	-829.33	-17.9	-5053.9<<	11.4

BARRA	818	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	818	42934.36	0.06	-512.89	54.4	14283.8>>	19.6
	818	42919.05	8.43	-604.39	-17.9	-4933.2<<	11.4
	819	42934.69	0.27	-619.07	-9.6	13633.2>>	19.3
	819	42919.05	8.43	-760.15	-17.9	-5717.8<<	1.7

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA	819	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	819	42876.37	18.06	-766.14	128.9	13927.2>>	7.5
	819	42873.93	22.15	-641.94	-26.9	-5555.5<<	10.5
	820	42876.93	18.46	-878.22	73.7	12985.8>>	-13.4
	820	42873.93	22.15	-797.70	-26.9	-6383.2<<	-15.0

BARRA	820	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	820	42860.84	18.46	-655.71	73.7	13052.3>>	-13.4
	820	42857.85	22.15	-575.19	-26.9	-6316.7<<	-15.0
	821	42861.50	18.92	-761.14	10.4	12224.2>>	-35.3
	821	42857.85	22.15	-730.95	-26.9	-7067.8<<	-40.4

BARRA	821	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	821	42822.56	45.67	-907.00	163.0	12432.8>>	-41.3
	821	42833.61	40.19	-612.10	-43.2	-6994.5<<	-28.4
	822	42823.40	46.67	-1018.25	108.9	11319.2>>	-95.2
	822	42833.61	40.19	-767.86	-43.2	-7787.8<<	-74.6

BARRA	822	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	822	42799.97	46.67	-795.06	108.9	11345.5>>	-95.2
	822	42810.18	40.19	-544.66	-43.2	-7761.4<<	-74.6
	823	42800.95	47.82	-899.60	46.9	10350.0>>	-151.7
	823	42810.18	40.19	-700.42	-43.2	-8477.4<<	-120.8

BARRA	823	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	823	42764.94	61.68	-1048.21	219.2	10557.3>>	-156.7
	823	42788.80	42.89	-585.21	-71.8	-8410.0<<	-110.2
	824	42766.28	63.42	-1158.50	166.9	9277.0>>	-232.1
	824	42788.80	42.89	-740.97	-71.8	-9172.6<<	-159.5

BARRA	824	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	824	42739.54	63.42	-938.44	166.9	9294.5>>	-232.1
	824	42762.05	42.89	-520.91	-71.8	-9155.1<<	-159.5
	825	42741.20	65.20	-1042.01	106.4	8133.2>>	-311.8
	825	42762.05	42.89	-676.67	-71.8	-9843.7<<	-208.8

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	825	42689.59	-8.75	-1202.48	311.5	8356.3>>	-344.4
	825	42715.79	-22.37	-572.17	-120.5	-9770.7<<	-220.1
	826	42692.95	-8.49	-1311.81	260.1	6899.8>>	-340.1
	826	42715.79	-22.37	-727.93	-120.5	-10518.5<<	-194.2
BARRA	826	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	826	42586.87	-8.49	-1108.25	260.1	6914.3>>	-340.1
	826	42609.72	-22.37	-524.37	-120.5	-10504.0<<	-194.2
	827	42590.87	-8.59	-1210.83	197.6	5560.7>>	-333.9
	827	42609.72	-22.37	-680.12	-120.5	-11196.4<<	-168.6
BARRA	827	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	827	42527.63	-320.80	-2754.86	450.7	5763.8>>	-482.0
	827	42546.24	-240.30	-1945.22	-214.4	-11173.4<<	-237.9
	828	42533.67	-206.19	-1797.90	106.4	3127.4>>	-36.7
	828	42539.11	-360.55	-3165.09	68.6	-14104.6<<	-29.5
BARRA	828	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	828	51835.39	-206.19	-1348.48	106.4	8148.0>>	-36.7
	828	51840.83	-360.55	-2715.67	68.6	-9084.0<<	-29.5
	829	51790.68	-157.12	-1292.11	-20.1	6695.4>>	175.6
	829	51834.41	-360.55	-2916.33	68.6	-12324.0<<	385.3
BARRA	829	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	829	51728.81	-57.73	-708.63	-31.0	6732.1>>	156.8
	829	51765.45	-115.89	-2493.08	87.2	-12206.0<<	370.1
	830	51728.81	-57.73	-909.30	-31.0	5801.9>>	223.2
	830	51765.45	-115.89	-2693.75	87.2	-15188.4<<	503.3
BARRA	830	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	830	51656.66	-57.73	-2712.50	-31.0	5768.5>>	223.2
	830	51693.30	-115.89	-4496.95	87.2	-15221.7<<	503.3
	831	51656.66	-57.73	-2913.17	-31.0	2533.5>>	289.5
	831	51693.30	-115.89	-4697.62	87.2	-20508.8<<	636.6

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	831	51540.96	24.05	3309.54	-30.0	2518.0>>	284.5
	831	51537.74	44.87	5421.77	98.3	-20454.0<<	637.6
	832	51540.96	24.05	3108.87	-30.0	6208.6>>	257.0
	832	51537.30	44.62	5209.26	105.9	-14341.4<<	584.9
BARRA	832	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	832	51528.50	24.05	2185.34	-30.0	6201.2>>	257.0
	832	51524.85	44.62	4285.73	105.9	-14348.8<<	584.9
	833	51528.50	24.05	1984.67	-30.0	8598.9>>	229.1
	833	51527.78	42.44	3875.95	156.5	-9592.2<<	542.0
BARRA	833	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	833	51523.62	149.99	2593.47	-39.1	8714.8>>	270.2
	833	51401.05	361.24	4333.97	110.0	-9423.3<<	669.6
	834	51524.15	205.92	2602.06	-79.0	11627.4>>	126.3
	834	51407.48	361.24	4133.30	110.0	-4552.2<<	253.8
BARRA	834	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	834	42029.75	205.92	1860.56	-79.0	6499.5>>	126.3
	834	41913.08	361.24	3391.80	110.0	-9680.1<<	253.8
	835	42030.57	205.68	1762.16	-154.2	8568.3>>	-124.0
	835	41918.06	361.24	3236.04	110.0	-5866.7<<	-161.9
BARRA	835	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	835	42223.28	37.36	337.86	-1.5	8745.6>>	-111.7
	835	42202.03	62.96	1798.37	79.9	-5735.4<<	-178.4
	836	42221.00	34.94	236.51	-66.7	9071.4>>	-160.2
	836	42202.03	62.96	1642.62	79.9	-3756.8<<	-250.8
BARRA	836	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	836	39832.61	34.94	390.09	-66.7	5680.4>>	-160.2
	836	39813.63	62.96	1796.20	79.9	-7147.8<<	-250.8
	837	39840.89	45.33	1388.21	-281.0	6984.3>>	-342.6
	837	39803.11	50.46	541.70	232.8	-6089.6<<	-179.2

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA	837	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	837	39904.61	-43.58	1177.47	-84.7	7199.7>>	-328.6
	837	39857.28	-17.61	606.95	163.2	-6079.3<<	-175.3
	838	39901.86	-42.97	1075.62	-145.9	8498.9>>	-273.2
	838	39857.28	-17.61	451.20	163.2	-5470.7<<	-155.0
BARRA	838	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	838	39925.15	-42.97	1242.76	-145.9	8494.0>>	-273.2
	838	39880.58	-17.61	618.34	163.2	-5475.6<<	-155.0
	839	39922.56	-41.60	1141.60	-205.9	9867.6>>	-218.6
	839	39880.58	-17.61	462.59	163.2	-4854.0<<	-134.8
BARRA	839	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	839	39943.93	-47.46	933.85	-41.4	10066.0>>	-210.5
	839	39902.19	-29.93	528.10	116.9	-4839.5<<	-136.9
	840	39941.83	-46.14	831.38	-103.5	11090.2>>	-152.5
	840	39902.19	-29.93	372.34	116.9	-4321.7<<	-102.7
BARRA	840	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	840	39962.03	-46.14	1000.56	-103.5	11079.6>>	-152.5
	840	39922.39	-29.93	541.53	116.9	-4332.2<<	-102.7
	841	39961.32	-47.11	1160.45	-143.6	12430.3>>	-95.7
	841	39921.27	-27.75	124.05	95.6	-4052.0<<	-69.8
BARRA	841	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	841	39968.82	-29.94	954.96	0.7	12613.7>>	-94.8
	841	39934.04	-19.87	191.38	66.7	-4031.5<<	-68.6
	842	39967.61	-29.35	851.82	-62.5	13662.8>>	-59.6
	842	39934.04	-19.87	35.62	66.7	-3901.3<<	-45.9
BARRA	842	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	842	39984.48	-29.35	1021.57	-62.5	13649.5>>	-59.6
	842	39950.91	-19.87	205.37	66.7	-3914.5<<	-45.9
	843	39983.47	-28.86	919.12	-125.1	14770.6>>	-25.8
	843	39950.91	-19.87	49.61	66.7	-3767.7<<	-23.1

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA	843	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	843	39990.43	-12.35	713.76	9.1	14948.4>>	-24.7
	843	39961.34	-8.91	117.70	47.2	-3744.8<<	-20.4
	844	39989.79	-12.16	610.08	-54.8	15716.5>>	-10.7
	844	39961.34	-8.91	-38.05	47.2	-3699.2<<	-10.4
BARRA	844	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	844	40003.33	-12.16	780.81	-54.8	15702.9>>	-10.7
	844	39974.88	-8.91	132.68	47.2	-3712.8<<	-10.4
	845	40002.81	-12.01	677.88	-118.1	16541.3>>	3.3
	845	39974.88	-8.91	-23.08	47.2	-3649.7<<	0.1
BARRA	845	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	845	40010.89	-2.46	474.58	10.2	16717.9>>	4.2
	845	39985.11	-1.49	47.10	34.7	-3623.4<<	3.4
	846	40010.57	-2.40	370.49	-54.1	17204.3>>	6.8
	846	39985.11	-1.49	-108.65	34.7	-3658.6<<	4.9
BARRA	846	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	846	40020.64	-2.40	540.68	-54.1	17192.7>>	6.8
	846	39995.18	-1.49	61.53	34.7	-3670.3<<	4.9
	847	40020.38	-2.35	437.39	-117.7	17746.2>>	9.5
	847	39995.18	-1.49	-94.22	34.7	-3689.4<<	6.6
BARRA	847	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	847	40027.86	1.00	234.56	7.3	17925.2>>	9.8
	847	40004.21	1.58	-23.69	26.8	-3658.5<<	9.8
	848	40027.72	1.03	130.19	-57.1	18125.8>>	8.7
	848	40004.21	1.58	-179.44	26.8	-3775.5<<	8.1
BARRA	848	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	848	40034.41	1.03	301.54	-57.1	18117.4>>	8.7
	848	40010.90	1.58	-8.09	26.8	-3783.8<<	8.1
	849	40034.32	1.06	198.02	-120.8	18386.0>>	7.3
	849	40010.90	1.58	-163.85	26.8	-3882.7<<	6.1

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BARRA 849	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
849	40039.57	0.76	-3.98	3.2	18569.2>>	6.9
849	40017.52	1.67	-92.54	21.9	-3847.3<<	8.6
850	40039.56	0.78	-108.53	-61.2	18484.7>>	6.0
850	40017.52	1.67	-248.30	21.9	-4043.2<<	6.7

BARRA 850	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
850	40042.81	0.78	62.44	-61.2	18480.4>>	6.0
850	40020.76	1.67	-77.32	21.9	-4047.6<<	6.7
851	40042.81	0.78	-93.31	-61.2	18462.7>>	5.0
851	40021.57	1.80	-310.90	16.9	-4308.0<<	4.3

BARRA 851	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
851	40044.12	-1.04	-248.47	0.3	18653.1>>	3.9
851	40024.35	0.50	-244.99	14.6	-4265.3<<	6.6
852	40044.12	-1.04	-404.23	0.3	18277.8>>	5.3
852	40024.35	0.50	-400.74	14.6	-4636.6<<	6.3

BARRA 852	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
852	40042.29	-1.04	-241.85	0.3	18279.9>>	5.3
852	40022.52	0.50	-238.37	14.6	-4634.5<<	6.3
853	40042.40	-1.02	-346.46	-64.2	17968.9>>	6.4
853	40022.52	0.50	-394.13	14.6	-4998.3<<	5.6

BARRA 853	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
853	40039.53	-2.70	-505.87	0.1	18154.8>>	5.1
853	40020.98	-0.68	-332.38	12.2	-4950.3<<	7.5
854	40039.53	-2.70	-661.63	0.1	17483.6>>	8.3
854	40020.98	-0.68	-488.13	12.2	-5422.0<<	8.5

BARRA 854	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
854	40034.55	-2.70	-499.32	0.1	17489.4>>	8.3
854	40015.99	-0.68	-325.82	12.2	-5416.3<<	8.5
855	40034.80	-2.69	-603.87	-64.2	16870.9>>	11.3
855	40015.99	-0.68	-481.58	12.2	-5880.5<<	9.1

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BARRA 855	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
855	40015.27	-1.95	-809.26	58.2	17050.3>>	10.5
855	39998.08	0.29	-420.78	5.7	-5834.8<<	11.6
856	40015.61	-1.92	-920.00	2.3	16077.7>>	12.6
856	39998.08	0.29	-576.53	5.7	-6408.2<<	11.0

BARRA 856	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
856	44586.75	-1.92	-757.91	2.3	22631.8>>	12.6
856	44569.23	0.29	-414.45	5.7	146.0<<	11.0
857	44587.17	-1.90	-862.29	-61.8	21705.4>>	14.8
857	44569.23	0.29	-570.20	5.7	-420.3<<	10.6

BARRA 857	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
857	44582.41	5.11	-1066.34	63.6	21904.7>>	15.8
857	44566.56	6.38	-507.93	-7.8	-357.9<<	14.4
858	44582.94	5.19	-1176.84	8.1	20626.8>>	9.9
858	44566.56	6.38	-663.69	-7.8	-1031.4<<	7.0

BARRA 858	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
858	44580.36	5.19	-1014.93	8.1	20651.1>>	9.9
858	44563.97	6.38	-501.78	-7.8	-1007.2<<	7.0
859	44580.99	5.27	-1119.01	-55.7	19420.7>>	3.8
859	44563.97	6.38	-657.53	-7.8	-1673.7<<	-0.4

BARRA 859	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
859	44569.33	22.86	-1326.42	84.3	19626.0>>	8.6
859	44555.57	20.16	-598.61	-21.8	-1609.0<<	6.3
860	44570.08	23.15	-1436.56	29.4	18041.6>>	-18.0
860	44555.57	20.16	-754.37	-21.8	-2386.8<<	-17.0

BARRA 860	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
860	44564.51	23.15	-1275.63	29.4	18065.0>>	-18.0
860	44550.00	20.16	-593.44	-21.8	-2363.5<<	-17.0
861	44565.41	23.51	-1379.27	-33.7	16529.1>>	-45.1
861	44550.00	20.16	-749.19	-21.8	-3135.4<<	-40.2

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BARRA	861	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	861	44548.10	50.86	-1589.40	124.3	16737.5>>	-35.0
	861	44537.72	38.78	-693.33	-39.9	-3071.3<<	-30.2
	862	44549.08	51.76	-1699.02	70.4	14846.8>>	-94.9
	862	44537.72	38.78	-849.08	-39.9	-3958.1<<	-74.8

BARRA	862	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	862	44540.55	51.76	-1538.28	70.4	14867.2>>	-94.9
	862	44529.19	38.78	-688.34	-39.9	-3937.7<<	-74.8
	863	44517.73	52.42	-1511.62	22.0	13118.1>>	-155.8
	863	44553.20	39.16	-973.81	-53.3	-4909.5<<	-120.9

BARRA	863	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	863	44505.67	67.04	-1724.20	201.0	13323.9>>	-146.3
	863	44547.84	42.17	-921.52	-79.7	-4847.9<<	-111.1
	864	44507.12	68.66	-1833.12	148.8	11278.2>>	-228.0
	864	44547.84	42.17	-1077.27	-79.7	-5997.5<<	-159.6

BARRA	864	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	864	44453.86	68.66	-1680.12	148.8	11308.0>>	-228.0
	864	44494.58	42.17	-924.27	-79.7	-5967.7<<	-159.6
	865	44455.69	70.31	-1782.45	88.4	9307.8>>	-313.5
	865	44494.58	42.17	-1080.02	-79.7	-7120.0<<	-207.9

BARRA	865	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	865	44416.26	-1.90	-2007.62	301.9	9522.1>>	-332.1
	865	44453.51	-22.85	-1039.08	-124.8	-7060.1<<	-219.8
	866	44419.68	-1.83	-2115.81	250.6	7154.9>>	-335.7
	866	44453.51	-22.85	-1194.84	-124.8	-8344.7<<	-193.3

BARRA	866	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	866	44344.39	-1.83	-1969.81	250.6	7157.8>>	-335.7
	866	44378.23	-22.85	-1048.84	-124.8	-8341.8<<	-193.3
	867	44333.06	-5.59	-938.56	34.0	5920.2>>	-197.5
	867	44393.64	-19.40	-2337.40	29.4	-10728.6<<	-306.7

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BARRA	867	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	867	44278.01	-199.01	-2440.59	184.8	6031.1>>	-270.5
	867	44340.67	-349.37	-3876.03	55.1	-10615.1<<	-435.2
	868	44281.87	-205.01	-2546.80	123.6	3169.0>>	-33.5
	868	44335.68	-349.37	-4031.79	55.1	-15164.6<<	-33.2

BARRA	868	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	868	54942.77	-205.01	-2712.40	123.6	8253.2>>	-33.5
	868	54996.58	-349.37	-4197.40	55.1	-10080.3<<	-33.2
	869	54897.98	-154.49	-2654.85	-2.5	5245.0>>	175.3
	869	54990.16	-349.37	-4398.06	55.1	-15025.4<<	368.6

BARRA	869	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	869	54837.31	-56.23	-1909.59	-1.6	5255.1>>	158.6
	869	54927.40	-99.34	-3810.60	84.0	-14931.4<<	364.2
	870	54837.31	-56.23	-2110.26	-1.6	2943.8>>	223.5
	870	54927.40	-99.34	-4011.27	84.0	-19428.9<<	478.7

BARRA	870	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	870	54871.14	-56.23	-3325.07	-1.6	2989.1>>	223.5
	870	54961.23	-99.34	-5226.07	84.0	-19383.5<<	478.7
	871	54871.14	-56.23	-3525.74	-1.6	-950.1>>	288.0
	871	54961.23	-99.34	-5426.74	84.0	-25508.9<<	592.8

BARRA	871	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	871	55022.14	24.27	3629.47	4.8	-735.6>>	285.9
	871	55070.61	34.07	5771.91	100.7	-25219.7<<	602.2
	872	55022.14	24.27	3428.80	4.8	3322.9>>	258.1
	872	55072.39	31.21	5363.33	142.3	-18915.3<<	561.8

BARRA	872	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	872	55190.58	24.27	2499.67	4.8	3467.1>>	258.1
	872	55240.82	31.21	4434.20	142.3	-18771.1<<	561.8
	873	55189.15	24.41	2327.53	13.2	6244.6>>	230.9
	873	55240.82	31.21	4233.53	142.3	-13787.2<<	526.0

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	873	55179.42	152.95	3054.77	-1.9	6362.0>>	277.9
	873	55107.46	353.29	4808.67	106.3	-13607.0<<	654.8
	874	55182.15	208.74	3029.99	-48.5	9831.4>>	130.7
	874	55113.88	353.29	4608.00	106.3	-8189.8<<	248.3
BARRA	874	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	874	44261.85	208.74	2242.87	-48.5	4595.7>>	130.7
	874	44193.59	353.29	3820.88	106.3	-13425.5<<	248.3
	875	44262.86	208.43	2144.16	-123.7	7113.3>>	-122.7
	875	44198.57	353.29	3665.13	106.3	-9118.6<<	-158.2
BARRA	875	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	875	44469.86	38.44	649.46	23.5	7290.6>>	-110.6
	875	44494.10	61.22	2153.37	82.8	-8979.8<<	-175.7
	876	44479.74	48.44	1629.37	-195.1	8042.0>>	-290.9
	876	44482.11	48.78	916.05	236.1	-6652.6<<	-115.3
BARRA	876	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	876	39830.63	48.44	1782.96	-195.1	1294.7>>	-290.9
	876	39833.00	48.78	1069.64	236.1	-13400.0<<	-115.3
	877	39828.55	46.33	1682.06	-256.5	3289.9>>	-344.7
	877	39833.00	48.78	913.89	236.1	-12259.1<<	-171.2
BARRA	877	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	877	39893.36	-43.15	1470.93	-61.8	3503.9>>	-328.9
	877	39885.23	-17.44	977.43	173.3	-12244.2<<	-169.9
	878	39890.75	-42.53	1368.84	-123.1	5145.9>>	-274.3
	878	39885.23	-17.44	821.68	173.3	-11209.7<<	-150.0
BARRA	878	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	878	39914.04	-42.53	1535.99	-123.1	5140.9>>	-274.3
	878	39908.53	-17.44	988.82	173.3	-11214.7<<	-150.0
	879	39911.58	-41.16	1434.61	-183.1	6856.3>>	-220.1
	879	39908.53	-17.44	833.07	173.3	-10167.0<<	-130.0

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	879	39933.94	-46.92	1227.10	-21.6	7052.8>>	-210.0
	879	39928.64	-30.00	897.77	130.2	-10149.8<<	-135.3
	880	39931.77	-48.14	1352.47	-64.7	8475.3>>	-152.9
	880	39928.81	-27.44	513.99	111.2	-9264.6<<	-100.2
BARRA	880	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	880	39951.98	-48.14	1521.65	-64.7	8464.8>>	-152.9
	880	39949.02	-27.44	683.17	111.2	-9275.1<<	-100.2
	881	39950.24	-46.93	1419.66	-126.2	10165.1>>	-95.7
	881	39949.02	-27.44	527.42	111.2	-8579.1<<	-68.6
BARRA	881	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	881	39958.21	-29.64	1214.85	14.3	10346.4>>	-94.1
	881	39960.84	-20.18	594.72	82.3	-8558.2<<	-69.9
	882	39957.07	-29.05	1111.58	-48.9	11697.0>>	-59.0
	882	39960.84	-20.18	438.96	82.3	-7963.5<<	-46.5
BARRA	882	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	882	39973.95	-29.05	1281.34	-48.9	11683.7>>	-59.0
	882	39977.72	-20.18	608.72	82.3	-7976.8<<	-46.5
	883	39972.99	-28.56	1178.76	-111.5	13104.6>>	-25.6
	883	39977.72	-20.18	452.97	82.3	-7366.4<<	-23.6
BARRA	883	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	883	39980.48	-11.95	974.31	18.5	13280.6>>	-23.6
	883	39987.16	-9.63	521.41	61.1	-7343.8<<	-23.0
	884	39979.88	-11.76	870.54	-45.5	14349.3>>	-9.9
	884	39987.16	-9.63	365.65	61.1	-6833.9<<	-12.0
BARRA	884	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	884	39993.43	-11.76	1041.27	-45.5	14335.8>>	-9.9
	884	40000.71	-9.63	536.39	61.1	-6847.4<<	-12.0
	885	39992.94	-11.60	938.26	-108.7	15474.1>>	3.5
	885	40000.71	-9.63	380.63	61.1	-6320.0<<	-1.0

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	885	40001.54	-2.00	735.87	15.6	15649.1>>	5.3
	885	40009.87	-2.36	451.31	46.4	-6294.5<<	0.3
	886	40001.24	-1.94	631.74	-48.8	16435.4>>	7.7
	886	40009.87	-2.36	295.55	46.4	-5865.4<<	3.2
BARRA	886	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	886	40011.32	-1.94	801.93	-48.8	16423.6>>	7.7
	886	40019.95	-2.36	465.75	46.4	-5877.2<<	3.2
	887	40011.08	-1.89	698.62	-112.3	17277.8>>	9.9
	887	40019.95	-2.36	309.99	46.4	-5430.8<<	6.0
BARRA	887	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	887	40019.06	1.48	496.74	8.9	17455.0>>	10.8
	887	40027.85	0.68	381.18	35.8	-5401.6<<	6.8
	888	40018.93	1.51	392.35	-55.6	17956.8>>	9.2
	888	40027.85	0.68	225.43	35.8	-5052.5<<	6.2
BARRA	888	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	888	40025.62	1.51	563.69	-55.6	17948.3>>	9.2
	888	40034.54	0.68	396.77	35.8	-5061.1<<	6.2
	889	40025.53	1.54	460.18	-119.3	18517.4>>	7.6
	889	40034.54	0.68	241.01	35.8	-4694.3<<	5.6
BARRA	889	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	889	40031.35	1.24	259.06	1.4	18699.3>>	8.0
	889	40040.09	0.79	313.02	28.0	-4660.6<<	6.0
	890	40031.34	1.26	154.54	-63.1	18916.2>>	6.5
	890	40040.09	0.79	157.26	28.0	-4390.1<<	5.0
BARRA	890	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	890	40034.58	1.26	325.51	-63.1	18911.9>>	6.5
	890	40043.32	0.79	328.24	28.0	-4394.5<<	5.0
	891	40034.58	1.26	169.76	-63.1	19196.9>>	5.0
	891	40043.32	0.79	172.48	28.0	-4106.4<<	4.1

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BARRA	891	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	891	40036.39	-0.55	15.59	-4.6	19384.9>>	4.9
	891	40044.78	-0.47	239.43	21.6	-4066.8<<	4.0
	892	40036.39	-0.55	-140.16	-4.6	19313.3>>	5.6
	892	40045.74	-0.35	0.76	16.9	-3932.0<<	4.6
BARRA	892	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	892	40034.57	-0.55	22.21	-4.6	19315.4>>	5.6
	892	40043.92	-0.35	163.13	16.9	-3929.9<<	4.6
	893	40034.68	-0.53	-82.34	-69.0	19307.0>>	6.2
	893	40043.92	-0.35	7.38	16.9	-3831.8<<	5.0
BARRA	893	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	893	40032.38	-2.22	-240.62	-7.2	19490.6>>	6.1
	893	40041.33	-1.52	70.20	11.3	-3786.2<<	5.3
	894	40032.38	-2.22	-396.38	-7.2	19124.2>>	8.6
	894	40041.33	-1.52	-85.55	11.3	-3795.2<<	7.0
BARRA	894	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	894	40027.40	-2.22	-234.07	-7.2	19129.9>>	8.6
	894	40036.35	-1.52	76.76	11.3	-3789.5<<	7.0
	895	40027.65	-2.20	-338.53	-71.5	18815.5>>	11.2
	895	40036.35	-1.52	-79.00	11.3	-3790.6<<	8.8
BARRA	895	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	895	40008.69	-1.46	-543.52	49.9	18995.5>>	11.2
	895	40017.39	-0.54	-17.67	2.6	-3745.9<<	9.1
	896	40009.03	-1.43	-654.15	-5.9	18327.3>>	13.1
	896	40017.39	-0.54	-173.42	2.6	-3855.8<<	9.8
BARRA	896	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	896	42289.12	-1.43	-492.07	-5.9	21609.4>>	13.1
	896	42297.48	-0.54	-11.34	2.6	-573.8<<	9.8
	897	42289.54	-1.41	-596.33	-70.0	20987.9>>	14.7
	897	42297.48	-0.54	-167.10	2.6	-676.5<<	10.4

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	897	42281.13	5.55	-801.30	57.0	21183.3>>	16.5
	897	42289.51	5.58	-105.52	-11.0	-619.8<<	12.2
	898	42281.67	5.63	-911.67	1.5	20209.3>>	10.1
	898	42289.51	5.58	-261.28	-11.0	-830.9<<	5.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	898	42274.88	5.63	-749.77	1.5	20227.5>>	10.1
	898	42282.72	5.58	-99.37	-11.0	-812.7<<	5.7
	899	42275.52	5.71	-853.70	-62.2	19301.7>>	3.7
	899	42282.72	5.58	-255.13	-11.0	-1016.4<<	-0.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	899	42260.26	23.25	-1061.41	77.6	19501.8>>	9.5
	899	42269.03	19.47	-196.19	-27.5	-958.8<<	4.1
	900	42261.03	23.55	-1171.39	22.7	18222.1>>	-17.5
	900	42269.03	19.47	-351.94	-27.5	-1274.1<<	-18.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	900	42251.26	23.55	-1010.46	22.7	18239.5>>	-17.5
	900	42259.27	19.47	-191.02	-27.5	-1256.6<<	-18.4
	901	42252.18	23.90	-1113.94	-40.4	17008.8>>	-45.0
	901	42259.27	19.47	-346.77	-27.5	-1565.9<<	-40.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	901	42231.28	51.08	-1323.78	115.7	17211.2>>	-33.8
	901	42241.71	38.13	-290.21	-50.3	-1509.9<<	-32.4
	902	42232.30	51.98	-1433.22	61.8	15626.2>>	-94.3
	902	42241.71	38.13	-445.97	-50.3	-1933.5<<	-76.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	902	42219.60	51.98	-1272.48	61.8	15640.7>>	-94.3
	902	42229.01	38.13	-285.22	-50.3	-1919.1<<	-76.6
	903	42210.22	50.83	-1137.65	22.1	14312.7>>	-154.4
	903	42239.61	40.34	-678.69	-72.4	-2541.4<<	-122.3

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	903	42192.16	65.41	-1349.43	196.9	14510.1>>	-148.6
	903	42231.51	43.30	-625.49	-104.6	-2487.0<<	-110.1
	904	42193.66	67.03	-1458.16	144.7	12897.0>>	-228.5
	904	42231.51	43.30	-781.25	-104.6	-3296.1<<	-159.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	904	42136.24	67.03	-1305.15	144.7	12920.8>>	-228.5
	904	42174.08	43.30	-628.24	-104.6	-3272.3<<	-159.9
	905	42138.12	68.68	-1407.29	84.3	11353.5>>	-312.0
	905	42174.08	43.30	-784.00	-104.6	-4084.3<<	-209.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	905	42092.79	-3.56	-1631.47	293.3	11559.2>>	-333.8
	905	42130.36	-21.90	-741.88	-156.8	-4032.0<<	-218.8
	906	42096.27	-3.48	-1739.45	242.0	9627.1>>	-335.8
	906	42130.36	-21.90	-897.63	-156.8	-4974.8<<	-193.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	906	42016.84	-3.48	-1593.45	242.0	9624.0>>	-335.8
	906	42050.93	-21.90	-751.63	-156.8	-4977.9<<	-193.6
	907	42005.07	-7.21	-544.67	24.4	9024.2>>	-195.4
	907	42066.86	-18.47	-2057.50	-1.7	-7224.2<<	-307.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	907	41958.47	-201.21	-1970.54	168.7	9125.6>>	-271.4
	907	42021.78	-349.46	-3519.34	13.4	-7119.8<<	-433.2
	908	41962.42	-207.19	-2076.52	107.4	6807.9>>	-31.5
	908	42016.80	-349.46	-3675.09	13.4	-11258.9<<	-30.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	908	51280.64	-207.19	-2200.79	107.4	11828.1>>	-31.5
	908	51335.02	-349.46	-3799.37	13.4	-6238.6<<	-30.8
	909	51235.68	-156.70	-2141.10	-19.4	9468.2>>	180.1
	909	51328.60	-349.46	-4000.04	13.4	-10725.6<<	371.4

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	909	51151.20	-56.80	-1511.01	-25.3	9468.6>>	159.1
	909	51248.37	-96.25	-3526.78	31.5	-10641.2<<	368.1
	910	51151.20	-56.80	-1711.68	-25.3	7615.5>>	224.2
	910	51248.37	-96.25	-3727.45	31.5	-14812.5<<	478.7
BARRA	910	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	910	51178.47	-56.80	-2925.53	-25.3	7655.1>>	224.2
	910	51275.65	-96.25	-4941.30	31.5	-14772.8<<	478.7
	911	51178.47	-56.80	-3126.20	-25.3	4175.3>>	289.9
	911	51275.76	-97.89	-5358.59	80.9	-20704.6<<	583.5
BARRA	911	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	911	51336.10	22.98	3002.90	-20.7	4396.0>>	283.1
	911	51395.29	31.35	4881.46	98.5	-20405.5<<	593.7
	912	51335.33	23.19	2835.34	-11.7	7770.1>>	257.6
	912	51395.29	31.35	4680.79	98.5	-14907.0<<	557.7
BARRA	912	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	912	51509.48	23.19	1724.87	-11.7	7917.7>>	257.6
	912	51569.45	31.35	3570.32	98.5	-14759.4<<	557.7
	913	51509.48	23.19	1524.20	-11.7	9786.0>>	230.9
	913	51569.45	31.35	3369.65	98.5	-10768.9<<	521.6
BARRA	913	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	913	51506.24	150.18	2047.33	-20.9	9885.8>>	271.1
	913	51447.41	350.83	3740.06	73.0	-10602.9<<	647.1
	914	51508.43	205.77	2024.04	-67.9	12133.2>>	127.0
	914	51453.84	350.83	3539.39	73.0	-6415.2<<	243.3
BARRA	914	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	914	41899.86	205.77	1553.63	-67.9	6930.8>>	127.0
	914	41845.26	350.83	3068.97	73.0	-11617.6<<	243.3
	915	41900.87	205.48	1454.43	-143.2	8659.8>>	-123.1
	915	41850.25	350.83	2913.22	73.0	-8175.9<<	-160.3

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	915	42090.24	36.59	48.29	10.1	8832.9>>	-112.7
	915	42128.45	61.60	1488.67	60.1	-8037.9<<	-173.6
	916	42102.92	46.76	961.64	-218.0	9311.4>>	-290.2
	916	42113.66	49.01	317.41	222.8	-6889.6<<	-114.3
BARRA	916	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	916	39812.96	46.76	1132.43	-218.0	5935.9>>	-290.2
	916	39823.70	49.01	488.20	222.8	-10265.1<<	-114.3
	917	39810.88	44.66	1031.00	-279.5	7185.4>>	-342.2
	917	39823.70	49.01	332.44	222.8	-9793.7<<	-170.6
BARRA	917	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	917	39878.22	-44.43	836.30	-81.5	7400.9>>	-329.5
	917	39880.65	-16.78	412.18	163.6	-9777.5<<	-168.2
	918	39875.62	-43.80	733.67	-142.8	8315.7>>	-273.4
	918	39880.65	-16.78	256.43	163.6	-9393.1<<	-149.1
BARRA	918	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	918	39901.00	-43.80	915.95	-142.8	8307.8>>	-273.4
	918	39906.02	-16.78	438.71	163.6	-9401.1<<	-149.1
	919	39898.55	-42.41	814.03	-202.9	9312.2>>	-217.5
	919	39906.02	-16.78	282.95	163.6	-8986.1<<	-129.7
BARRA	919	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	919	39921.06	-48.22	622.11	-36.6	9508.2>>	-211.0
	919	39928.43	-29.43	363.10	125.6	-8969.8<<	-134.5
	920	39939.18	-47.50	726.98	-82.4	10378.5>>	-153.8
	920	39908.36	-28.82	-0.74	109.3	-8841.5<<	-99.1
BARRA	920	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	920	39960.86	-47.50	912.16	-82.4	10365.0>>	-153.8
	920	39930.04	-28.82	184.44	109.3	-8855.0<<	-99.1
	921	39959.16	-46.27	809.60	-143.9	11365.2>>	-97.3
	921	39930.04	-28.82	28.69	109.3	-8732.5<<	-65.8

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	921	39968.81	-29.01	620.11	2.9	11547.7>>	-94.5
	921	39940.97	-21.74	111.27	85.6	-8712.0<<	-70.9
	922	39967.70	-28.41	516.26	-60.3	12214.0>>	-60.1
	922	39940.97	-21.74	-44.49	85.6	-8673.6<<	-45.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	922	39985.30	-28.41	701.22	-60.3	12198.5>>	-60.1
	922	39958.57	-21.74	140.47	85.6	-8689.1<<	-45.9
	923	39984.39	-27.91	598.06	-123.0	12951.7>>	-27.4
	923	39958.57	-21.74	-15.29	85.6	-8617.0<<	-21.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	923	39993.03	-11.40	410.10	14.1	13129.8>>	-24.2
	923	39966.53	-11.37	69.65	70.1	-8594.2<<	-24.4
	924	39992.48	-11.20	305.75	-49.8	13548.1>>	-11.0
	924	39966.53	-11.37	-86.11	70.1	-8603.9<<	-11.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	924	40006.27	-11.20	492.06	-49.8	13533.4>>	-11.0
	924	39980.33	-11.37	100.20	70.1	-8618.6<<	-11.3
	925	40005.82	-11.04	388.48	-113.2	14038.0>>	1.6
	925	39980.33	-11.37	-55.55	70.1	-8592.8<<	1.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	925	40014.69	-1.67	201.00	18.1	14216.2>>	4.7
	925	39987.06	-4.33	30.09	60.1	-8566.2<<	-0.9
	926	40014.44	-1.60	96.29	-46.2	14385.2>>	6.6
	926	39987.06	-4.33	-125.66	60.1	-8620.7<<	4.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	926	40023.89	-1.60	284.06	-46.2	14373.7>>	6.6
	926	39996.51	-4.33	62.10	60.1	-8632.3<<	4.1
	927	40023.70	-1.54	180.18	-109.8	14628.5>>	8.3
	927	39996.51	-4.33	-93.65	60.1	-8650.3<<	9.1

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	927	40031.44	1.39	-7.52	18.8	14810.7>>	10.8
	927	40001.44	-1.65	-8.17	53.8	-8618.4<<	6.4
	928	40031.37	1.43	-112.46	-45.6	14728.1>>	9.0
	928	40001.44	-1.65	-163.93	53.8	-8717.4<<	8.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	928	40036.62	1.43	75.10	-45.6	14721.2>>	9.0
	928	40006.69	-1.65	23.63	53.8	-8724.2<<	8.1
	929	40036.60	1.46	-28.94	-109.3	14723.6>>	7.5
	929	40006.69	-1.65	-132.12	53.8	-8786.7<<	10.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	929	40041.50	0.69	-215.74	18.8	14911.8>>	8.9
	929	40008.56	-1.87	-45.63	49.1	-8749.1<<	6.5
	930	40041.59	0.72	-320.78	-45.7	14577.3>>	8.0
	930	40008.76	-1.82	-295.20	44.1	-8892.5<<	8.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	930	40041.72	0.72	-137.69	-45.7	14577.0>>	8.0
	930	40008.89	-1.82	-112.11	44.1	-8892.9<<	8.5
	931	40041.72	0.72	-293.44	-45.7	14329.0>>	7.2
	931	40008.89	-1.82	-267.87	44.1	-9111.4<<	10.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	931	40040.87	-0.99	-438.37	21.4	14519.6>>	8.3
	931	40004.95	-2.88	-191.18	41.1	-9065.0<<	6.8
	932	40040.87	-0.99	-594.12	21.4	13926.0>>	9.6
	932	40004.95	-2.88	-346.93	41.1	-9374.3<<	10.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	932	40036.19	-0.99	-416.36	21.4	13931.5>>	9.6
	932	40000.27	-2.88	-169.17	41.1	-9368.9<<	10.3
	933	40036.42	-0.96	-521.38	-43.0	13411.9>>	10.7
	933	40000.27	-2.88	-324.92	41.1	-9653.0<<	13.5

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LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	933	40030.49	-0.54	-711.34	82.5	13595.6>>	11.9
	933	39991.53	-2.08	-248.62	34.9	-9604.3<<	9.8
	934	40030.84	-0.51	-822.57	26.6	12738.4>>	12.5
	934	39991.53	-2.08	-404.37	34.9	-9979.8<<	12.1
BARRA	934	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	934	46435.56	-0.51	-645.18	26.6	16472.9>>	12.5
	934	46396.25	-2.08	-226.99	34.9	-6245.2<<	12.1
	935	46435.99	-0.48	-750.06	-37.6	15678.4>>	13.1
	935	46396.25	-2.08	-382.74	34.9	-6595.8<<	14.5
BARRA	935	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	935	46467.25	6.27	-939.23	92.1	15883.7>>	16.2
	935	46425.15	3.91	-305.44	23.1	-6528.6<<	12.1
	936	46467.82	6.36	-1050.25	36.5	14753.3>>	9.0
	936	46425.15	3.91	-461.19	23.1	-6969.4<<	7.6
BARRA	936	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	936	46467.72	6.36	-874.39	36.5	14773.9>>	9.0
	936	46425.05	3.91	-285.33	23.1	-6948.8<<	7.6
	937	46468.41	6.46	-978.99	-27.3	13705.5>>	1.5
	937	46425.05	3.91	-441.09	23.1	-7366.7<<	3.0
BARRA	937	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	937	46459.75	23.93	-1170.92	115.6	13908.7>>	8.7
	937	46415.13	17.82	-366.44	9.4	-7305.1<<	3.7
	938	46460.57	24.24	-1281.59	60.6	12503.1>>	-19.1
	938	46415.13	17.82	-522.20	9.4	-7816.0<<	-16.9
BARRA	938	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	938	46456.81	24.24	-1106.28	60.6	12523.5>>	-19.1
	938	46411.37	17.82	-346.88	9.4	-7795.6<<	-16.9
	939	46457.80	24.61	-1210.46	-2.5	11181.1>>	-47.4
	939	46411.37	17.82	-502.64	9.4	-8284.2<<	-37.2

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA	939	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	939	46443.00	51.93	-1405.34	156.2	11386.6>>	-35.1
	939	46397.05	36.72	-431.19	-10.8	-8224.1<<	-33.3
	940	46444.13	52.85	-1515.50	102.3	9705.5>>	-96.2
	940	46397.05	36.72	-586.95	-10.8	-8809.8<<	-75.5
BARRA	940	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	940	46436.58	52.85	-1340.42	102.3	9722.7>>	-96.2
	940	46389.50	36.72	-411.86	-10.8	-8792.5<<	-75.5
	941	46437.92	53.91	-1444.03	40.4	8108.1>>	-159.5
	941	46389.50	36.72	-567.62	-10.8	-9355.4<<	-117.4
BARRA	941	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	941	46428.37	68.51	-1641.58	221.0	8312.3>>	-146.8
	941	46381.01	39.81	-499.43	-42.0	-9301.1<<	-115.1
	942	46415.62	68.07	-1464.02	192.6	6657.7>>	-231.3
	942	46395.42	41.90	-942.21	-65.8	-10264.2<<	-159.9
BARRA	942	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	942	46359.75	68.07	-1298.09	192.6	6688.0>>	-231.3
	942	46339.55	41.90	-776.28	-65.8	-10233.9<<	-159.9
	943	46361.83	69.74	-1400.97	132.1	5122.5>>	-316.2
	943	46339.55	41.90	-932.04	-65.8	-11216.3<<	-208.0
BARRA	943	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	943	46318.66	-2.84	-1611.05	345.1	5335.3>>	-336.5
	943	46294.89	-23.67	-875.90	-113.2	-11154.5<<	-221.8
	944	46322.39	-2.74	-1719.79	293.8	3419.0>>	-339.5
	944	46294.89	-23.67	-1031.66	-113.2	-12251.5<<	-194.8
BARRA	944	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	944	46244.69	-2.74	-1561.11	293.8	3421.7>>	-339.5
	944	46217.19	-23.67	-872.99	-113.2	-12248.8<<	-194.8
	945	46227.46	-6.49	-594.99	74.2	2099.5>>	-199.7
	945	46238.84	-20.19	-2096.96	43.9	-13884.8<<	-307.5

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	945	46178.52	-200.92	-2144.85	227.7	2208.2>>	-277.0
	945	46189.83	-353.40	-3680.42	66.2	-13773.5<<	-440.1
	946	46182.76	-206.87	-2251.61	166.6	-320.3>>	-37.7
	946	46184.85	-353.40	-3836.18	66.2	-18097.6<<	-33.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	946	56866.70	-206.87	-2148.80	166.6	4765.2>>	-37.7
	946	56868.79	-353.40	-3733.37	66.2	-13012.1<<	-33.4
	947	56819.57	-156.81	-2058.66	48.8	2326.4>>	174.0
	947	56862.36	-353.40	-3934.04	66.2	-17423.2<<	373.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	947	56943.83	-57.69	-1311.72	51.5	2475.2>>	157.0
	947	56992.13	-106.03	-3344.34	89.2	-17190.7<<	368.9
	948	56943.83	-57.69	-1512.39	51.5	851.5>>	223.3
	948	56992.13	-106.03	-3545.01	89.2	-21151.9<<	490.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	948	57128.29	-57.69	-2907.90	51.5	1021.2>>	223.3
	948	57176.58	-106.03	-4940.53	89.2	-20982.2<<	490.9
	949	57128.29	-57.69	-3108.57	51.5	-2438.4>>	289.7
	949	57176.58	-106.03	-5141.19	89.2	-26779.3<<	612.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	949	57278.60	22.55	3965.39	51.3	-2232.8>>	285.7
	949	57289.97	40.91	6022.24	100.3	-26496.4<<	622.9
	950	57278.60	22.55	3764.72	51.3	2212.0>>	259.7
	950	57292.36	37.70	5590.00	140.8	-19712.3<<	574.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	950	57454.09	22.55	2812.99	51.3	2354.1>>	259.7
	950	57467.85	37.70	4638.27	140.8	-19570.2<<	574.0
	951	57454.09	22.55	2612.32	51.3	5473.9>>	233.7
	951	57467.85	37.70	4437.60	140.8	-14351.3<<	530.5

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	951	57438.02	155.13	3391.20	24.6	5581.4>>	282.0
	951	57336.07	358.32	5062.23	98.1	-14176.2<<	664.0
	952	57444.44	155.13	3190.54	24.6	9368.0>>	103.5
	952	57342.49	358.32	4861.56	98.1	-8467.0<<	251.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	952	46557.99	155.13	2393.86	24.6	4148.4>>	103.5
	952	46456.04	358.32	4064.89	98.1	-13686.6<<	251.6
	953	46559.07	210.98	2476.76	-97.2	7022.1>>	-124.3
	953	46461.02	358.32	3909.13	98.1	-9099.3<<	-160.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	953	46778.14	37.42	914.59	37.7	7190.7>>	-117.0
	953	46769.51	63.50	2329.77	68.1	-8963.7<<	-174.7
	954	46761.51	47.94	1926.60	-184.7	8400.7>>	-295.4
	954	46783.62	50.53	1061.51	225.3	-6588.8<<	-117.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	954	48556.04	47.94	2083.92	-184.7	5478.1>>	-295.4
	954	48578.16	50.53	1218.83	225.3	-9511.3<<	-117.7
	955	48553.42	45.81	1984.17	-246.1	7818.7>>	-348.8
	955	48578.16	50.53	1063.07	225.3	-8199.4<<	-175.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	955	48620.10	-44.48	1780.16	-64.7	8025.1>>	-334.1
	955	48635.44	-16.13	1133.15	155.2	-8188.0<<	-171.5
	956	48616.90	-43.89	1679.21	-125.9	10024.4>>	-278.0
	956	48635.44	-16.13	977.39	155.2	-6974.2<<	-153.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	956	48642.55	-43.89	1850.21	-125.9	10019.1>>	-278.0
	956	48661.10	-16.13	1148.39	155.2	-6979.5<<	-153.2
	957	48639.44	-42.55	1749.96	-185.9	12099.0>>	-221.9
	957	48661.10	-16.13	992.64	155.2	-5748.2<<	-134.4

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	957	48663.49	-48.03	1548.80	-34.0	12289.3>>	-212.6
	957	48685.55	-28.61	1063.05	105.6	-5733.4<<	-135.7
	958	48660.90	-46.73	1447.23	-96.0	14028.5>>	-153.9
	958	48685.55	-28.61	907.30	105.6	-4600.8<<	-102.8
BARRA	958	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	958	48683.41	-46.73	1620.39	-96.0	14017.0>>	-153.9
	958	48708.06	-28.61	1080.46	105.6	-4612.3<<	-102.8
	959	48681.15	-45.54	1519.43	-157.5	15836.9>>	-98.3
	959	48708.06	-28.61	924.70	105.6	-3459.2<<	-69.9
BARRA	959	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	959	48693.64	-27.85	1319.71	-20.7	16016.2>>	-92.0
	959	48721.24	-21.11	997.77	70.0	-3444.2<<	-72.5
	960	48692.03	-27.28	1217.41	-83.9	17493.9>>	-59.0
	960	48721.24	-21.11	842.01	70.0	-2386.4<<	-48.2
BARRA	960	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	960	48742.35	-27.28	1388.17	-83.9	17454.9>>	-59.0
	960	48771.56	-21.11	1012.78	70.0	-2425.4<<	-48.2
	961	48741.00	-26.80	1286.49	-146.6	19006.4>>	-27.4
	961	48771.56	-21.11	857.02	70.0	-1350.3<<	-23.9
BARRA	961	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	961	48815.81	-10.21	1081.70	-19.2	19125.9>>	-21.2
	961	48845.08	-10.54	925.84	44.0	-1388.3<<	-25.1
	962	48814.87	-10.03	978.73	-83.2	20326.5>>	-9.4
	962	48845.08	-10.54	770.08	44.0	-413.0<<	-12.9
BARRA	962	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	962	48893.76	-10.03	1149.96	-83.2	20249.8>>	-9.4
	962	48923.96	-10.54	941.31	44.0	-489.7<<	-12.9
	963	48892.96	-9.88	1047.64	-146.5	21521.4>>	1.9
	963	48923.96	-10.54	785.56	44.0	503.2<<	-1.0

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA	963	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	963	48969.55	-0.82	847.69	-24.5	21627.7>>	7.8
	963	48997.75	-3.50	859.44	25.3	456.0<<	-1.4
	964	48968.96	-0.77	744.11	-88.9	22550.9>>	8.8
	964	48997.75	-3.50	703.69	25.3	1354.8<<	2.6
BARRA	964	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	964	49044.25	-0.77	917.77	-88.9	22465.9>>	8.8
	964	49073.05	-3.50	877.35	25.3	1269.7<<	2.6
	965	49043.73	-0.71	814.87	-152.5	23460.2>>	9.5
	965	49073.05	-3.50	721.59	25.3	2189.0<<	6.6
BARRA	965	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	965	49119.92	1.63	618.35	-33.4	23560.5>>	14.7
	965	49145.69	-0.86	799.00	11.8	2137.3<<	6.0
	966	49119.50	1.66	514.22	-98.0	24207.6>>	12.8
	966	49145.69	-0.86	643.25	11.8	2966.3<<	6.9
BARRA	966	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	966	49191.60	1.66	692.05	-98.0	24118.6>>	12.8
	966	49217.79	-0.86	821.08	11.8	2877.3<<	6.9
	967	49191.21	1.68	588.63	-161.7	24839.5>>	11.0
	967	49217.79	-0.86	665.33	11.8	3731.9<<	8.0
BARRA	967	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	967	49265.17	0.55	395.90	-42.8	24939.3>>	15.0
	967	49288.05	-0.96	746.71	2.5	3679.5<<	6.5
	968	49264.84	0.56	291.26	-107.4	25315.0>>	14.3
	968	49288.05	-0.96	590.96	2.5	4448.5<<	7.4
BARRA	968	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	968	49333.22	0.56	471.70	-107.4	25226.8>>	14.3
	968	49356.43	-0.96	771.40	2.5	4360.3<<	7.4
	969	49333.22	0.56	315.95	-107.4	25679.8>>	13.9
	969	49356.43	-0.96	615.64	2.5	5157.9<<	8.8

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	969	49400.78	0.04	169.56	-50.8	25783.6>>	17.7
	969	49421.13	-1.37	691.84	-3.8	5110.8<<	6.8
	970	49400.78	0.04	13.80	-50.8	25889.1>>	17.6
	970	49421.13	-1.37	536.08	-3.8	5816.8<<	8.3
BARRA	970	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	970	49463.03	0.04	184.00	-50.8	25808.9>>	17.6
	970	49483.38	-1.37	706.28	-3.8	5736.7<<	8.3
	971	49462.74	0.06	78.90	-115.3	25980.3>>	17.7
	971	49483.38	-1.37	550.52	-3.8	6459.3<<	9.9
BARRA	971	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	971	49523.13	5.41	-116.93	0.4	26078.1>>	23.0
	971	49542.12	0.74	622.36	-7.8	6419.8<<	8.7
	972	49522.84	5.48	-228.49	-55.7	25900.3>>	17.1
	972	49542.12	0.74	466.61	-7.8	7045.9<<	7.9
BARRA	972	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	972	49563.99	5.48	-57.12	-55.7	25852.6>>	17.1
	972	49583.27	0.74	637.98	-7.8	6998.2<<	7.9
	973	49563.66	5.55	-162.63	-120.2	25724.2>>	10.8
	973	49583.27	0.74	482.23	-7.8	7642.1<<	7.0
BARRA	973	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	973	49472.38	23.10	-362.88	0.2	25982.6>>	20.1
	973	49493.03	8.29	550.23	-9.7	7760.3<<	7.4
	974	49471.96	23.42	-474.85	-55.8	25498.0>>	-6.6
	974	49493.03	8.29	394.48	-9.7	8303.4<<	-2.1
BARRA	974	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	974	49235.43	23.42	-309.61	-55.8	25541.1>>	-6.6
	974	49256.50	8.29	559.72	-9.7	8346.5<<	-2.1
	975	49234.95	23.81	-415.51	-120.2	25097.4>>	-34.0
	975	49256.50	8.29	403.96	-9.7	8900.8<<	-11.7

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA	975	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	975	49151.42	55.72	-620.43	7.3	25360.3>>	-18.2
	975	49176.73	21.84	468.07	-9.1	9020.0<<	-8.6
	976	49151.42	55.72	-776.19	7.3	24557.2>>	-82.2
	976	49176.73	21.84	312.31	-9.1	9468.7<<	-33.6
BARRA	976	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	976	49075.68	55.72	-613.71	7.3	24635.2>>	-82.2
	976	49100.99	21.84	474.79	-9.1	9546.7<<	-33.6
	977	49074.94	56.80	-726.05	-48.8	23885.8>>	-149.0
	977	49100.99	21.84	319.03	-9.1	10003.3<<	-58.7
BARRA	977	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	977	48991.65	85.29	-885.34	23.6	24116.9>>	-133.0
	977	49019.87	32.66	380.38	-5.8	10113.1<<	-53.8
	978	48991.65	85.29	-1041.09	23.6	23008.9>>	-231.1
	978	49019.87	32.66	224.62	-5.8	10460.7<<	-91.4
BARRA	978	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	978	48912.20	85.29	-882.29	23.6	23074.7>>	-231.1
	978	48940.41	32.66	383.42	-5.8	10526.5<<	-91.4
	979	48911.09	87.42	-995.01	-33.2	21986.1>>	-337.3
	979	48940.41	32.66	227.67	-5.8	10878.0<<	-129.0
BARRA	979	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	979	48860.05	34.80	-1188.93	88.5	22204.8>>	-343.8
	979	48871.09	11.33	284.10	1.9	10972.8<<	-132.0
	980	48859.69	35.78	-1317.66	52.2	20749.7>>	-393.4
	980	48871.09	11.33	128.34	1.9	11209.8<<	-145.0
BARRA	980	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	980	48776.53	35.78	-1162.09	52.2	20797.8>>	-393.4
	980	48787.94	11.33	283.91	1.9	11258.0<<	-145.0
	981	48776.53	35.78	-1317.85	52.2	19371.9>>	-434.4
	981	48787.94	11.33	128.16	1.9	11495.0<<	-158.0

7.5.3.2. Esfuerzos CP + Grad + Tren 71 en 2 vías

LAV SANT BOI ELU FATIGA CP+GT+TREN71 en 1 via

BARRA	981	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	981	48737.19	-265.36	-3037.34	117.3	19558.3>>	-559.5
	981	48730.78	-99.28	-1377.73	9.2	11570.2<<	-190.5
	982	48732.20	-265.36	-3193.10	117.3	15973.9>>	-254.1
	982	48725.80	-99.28	-1533.48	9.2	9895.3<<	-76.3

BARRA	982	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	982	48651.26	-265.36	-3040.85	117.3	16001.0>>	-254.1
	982	48644.86	-99.28	-1381.23	9.2	9922.4<<	-76.3
	983	48644.84	-265.36	-3241.51	117.3	12387.1>>	51.4
	983	48638.44	-99.28	-1581.90	9.2	8218.1<<	38.1

BARRA	983	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	983	48521.53	20.04	-1812.93	141.9	12516.2>>	74.2
	983	48526.23	4.46	28.31	18.4	8267.5<<	28.0
	984	48521.53	20.04	-2013.60	141.9	10315.9>>	51.1
	984	48526.23	4.46	-172.36	18.4	8184.6<<	22.8

BARRA	984	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	984	48446.56	20.04	-1902.03	141.9	10316.5>>	51.1
	984	48451.25	4.46	-60.79	18.4	8185.2<<	22.8
	985	48450.22	8.24	-774.50	131.3	8051.1>>	19.9
	985	48444.67	28.63	-1902.78	-6.1	7933.1<<	34.1

TITULO

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

FICHERO DE GEOMETRIA COMPLETA

GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS

4

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
1	869	1138	2	CP.TXT
2	869	1138	394	SC.TXT
4	869	1138	1	TEMP.TXT
6	869	1138	55	PRET.TXT

Fich	Hipotesis	Caracter	Coeficiente
1	1	1	1.00
1	2	1	1.00
2	1	2	0.00
2	2	2	0.00
2	3	2	0.00
2	4	2	0.00
2	5	2	0.00
2	6	2	0.00
2	7	2	0.00
2	8	2	0.00
2	9	2	0.00
2	10	2	0.00
2	11	2	1.00
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4	1	2	0.60
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6	4	1	5.8719
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6	27	1	0.0000
6	28	1	0.0000
6	29	1	4.8932
6	30	1	2.4466
6	31	1	2.4466
6	32	1	2.4466
6	33	1	2.4466
6	34	1	4.2121
6	35	1	4.2121
6	36	1	4.2121
6	37	1	4.2121
6	38	1	4.2121
6	39	1	4.2121
6	40	1	4.2121
6	41	1	4.2121
6	42	1	4.2121
6	43	1	4.2121
6	44	1	4.2121
6	45	1	4.2121
6	46	1	2.4680
6	47	1	3.9488
6	48	1	2.4680
6	49	1	3.9488
6	50	1	2.4466
6	51	1	2.4466
6	52	1	4.8932
6	53	1	2.4466
6	54	1	0.0000
6	55	1	0.0000

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PONDERACION DE ESFUERZOS

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	1	39441.67	-0.73	276.37	269.3	7173.6>>	-67.1
	1	39464.64	11.11	661.72	-28.6	6984.1<<	-82.8
	2	39390.93	-0.22	1327.53	285.5	8794.3>>	-108.3
	2	39607.66	11.04	-1250.52	28.6	5729.2<<	-9.4
BARRA	2	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	2	39539.70	-0.22	1490.65	285.5	8797.2>>	-108.3
	2	39756.43	11.04	-1087.40	28.6	5732.2<<	-9.4
	3	39539.70	-0.22	1289.98	285.5	10396.1>>	-108.1
	3	39756.43	11.04	-1288.07	28.6	4366.2<<	-22.1
BARRA	3	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	3	39868.80	-421.26	2404.66	271.4	10257.6>>	-156.6
	3	39980.18	-93.32	113.60	32.0	4311.7<<	-11.8
	4	39875.22	-421.26	2203.99	271.4	12908.8>>	328.1
	4	39986.60	-93.32	-87.07	32.0	4326.9<<	95.5
BARRA	4	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	4	40032.00	-421.26	2428.37	271.4	12869.7>>	328.1
	4	40143.37	-93.32	137.31	32.0	4287.7<<	95.5
	5	40038.34	-410.61	2290.94	312.9	15588.9>>	798.7
	5	40148.15	-93.38	-18.46	31.9	4356.0<<	202.8
BARRA	5	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	5	40090.42	30.17	789.52	179.6	15356.3>>	614.5
	5	40234.00	20.33	-1176.41	36.6	4267.1<<	179.1
	6	40096.31	30.10	677.42	250.8	16194.1>>	565.8
	6	40234.00	20.33	-1332.16	36.6	2824.9<<	155.8
BARRA	6	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	6	40253.53	30.10	905.54	250.8	16126.6>>	565.8
	6	40391.22	20.33	-1104.04	36.6	2757.4<<	155.8
	7	40253.53	30.10	749.78	250.8	17078.3>>	531.0
	7	40391.22	20.33	-1259.80	36.6	1398.1<<	132.3

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	7	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	7	40382.09	113.02	552.60	118.1	16784.7>>	479.0
	7	40526.41	41.35	-1124.83	43.0	1283.0<<	142.7
	8	40384.99	112.15	410.58	146.7	17345.2>>	345.5
	8	40526.41	41.35	-1280.58	43.0	-100.0<<	95.0
BARRA	8	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	8	40534.28	112.15	645.06	146.7	17256.5>>	345.5
	8	40675.70	41.35	-1046.10	43.0	-188.7<<	95.0
	9	40539.19	109.72	533.96	213.4	17924.8>>	210.8
	9	40675.70	41.35	-1201.85	43.0	-1481.2<<	47.4
BARRA	9	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	9	40710.39	71.57	301.54	29.7	17617.4>>	202.1
	9	40817.53	30.08	-1060.64	54.5	-1610.8<<	66.2
	10	40711.89	70.81	190.24	90.5	17892.8>>	118.2
	10	40817.53	30.08	-1216.39	54.5	-2920.1<<	31.6
BARRA	10	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	10	40853.62	70.81	433.03	90.5	17793.7>>	118.2
	10	40959.25	30.08	-973.61	54.5	-3019.2<<	31.6
	11	40855.25	70.36	291.21	118.1	18216.9>>	36.3
	11	40959.25	30.08	-1129.36	54.5	-4228.3<<	-2.9
BARRA	11	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	11	41026.88	22.46	95.33	-27.6	17876.3>>	24.5
	11	41095.21	16.31	-981.58	69.6	-4362.6<<	14.7
	12	41027.76	22.49	-44.31	4.3	17911.5>>	-1.3
	12	41095.21	16.31	-1137.33	69.6	-5581.1<<	-4.1
BARRA	12	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	12	41117.16	22.49	204.44	4.3	17862.6>>	-1.3
	12	41184.61	16.31	-888.58	69.6	-5630.0<<	-4.1
	13	41118.43	22.44	107.81	92.2	18049.5>>	-27.3
	13	41184.61	16.31	-1044.34	69.6	-6741.2<<	-22.9

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	13	41109.40	-5.54	-132.15	-120.6	17914.3>>	-45.9
	13	41146.85	7.30	-891.06	87.9	-6660.2<<	-7.8
	14	41109.76	-5.19	-220.91	-21.8	17712.7>>	-39.3
	14	41146.85	7.30	-1046.82	87.9	-7774.4<<	-16.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	14	41076.36	-5.19	20.79	-21.8	17825.8>>	-39.3
	14	41113.45	7.30	-805.12	87.9	-7661.4<<	-16.2
	15	41076.37	-5.04	-89.41	38.8	17775.3>>	-33.3
	15	41113.45	7.30	-960.88	87.9	-8677.1<<	-24.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	15	41059.82	-19.53	-351.07	-181.9	17627.3>>	-55.1
	15	41073.80	0.34	-827.67	110.8	-8593.9<<	-10.3
	16	41059.49	-19.14	-438.98	-82.6	17166.6>>	-32.8
	16	41073.80	0.34	-983.42	110.8	-9635.3<<	-10.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	16	42995.77	-19.14	-210.72	-82.6	20459.5>>	-32.8
	16	43010.07	0.34	-755.16	110.8	-6342.5<<	-10.9
	17	42995.63	-18.94	-349.83	-51.0	20137.6>>	-11.2
	17	43010.07	0.34	-910.92	110.8	-7300.3<<	-11.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	17	42976.57	-32.68	-568.79	-213.4	19989.8>>	-33.1
	17	42970.72	-8.97	-781.93	145.2	-7204.2<<	2.1
	18	42976.15	-32.57	-707.63	-181.3	19254.0>>	4.8
	18	42970.72	-8.97	-937.68	145.2	-8192.9<<	12.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	18	42936.62	-32.57	-482.69	-181.3	19374.7>>	4.8
	18	42931.19	-8.97	-712.75	145.2	-8072.2<<	12.6
	19	42935.59	-32.43	-569.53	-83.2	18786.9>>	41.8
	19	42931.19	-8.97	-868.50	145.2	-8901.4<<	22.6

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	19	42915.74	-52.87	-841.43	-312.5	18620.7>>	20.4
	19	42889.58	-21.33	-745.70	194.2	-8884.0<<	34.8
	20	42915.12	-53.09	-948.37	-252.6	17612.3>>	81.6
	20	42889.58	-21.33	-901.46	194.2	-9831.1<<	59.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	20	42899.03	-53.09	-725.85	-252.6	17678.9>>	81.6
	20	42873.49	-21.33	-678.94	194.2	-9764.5<<	59.3
	21	42897.56	-53.55	-811.59	-154.8	16818.0>>	144.4
	21	42873.49	-21.33	-834.70	194.2	-10634.6<<	83.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	21	42903.24	-73.39	-1077.30	-392.5	16549.7>>	121.9
	21	42854.42	-28.96	-711.03	260.7	-10617.7<<	94.1
	22	42901.52	-74.74	-1168.39	-307.7	15277.1>>	211.0
	22	42854.42	-28.96	-866.79	260.7	-11525.2<<	127.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	22	42878.10	-74.74	-945.19	-307.7	15303.5>>	211.0
	22	42831.00	-28.96	-643.59	260.7	-11498.8<<	127.3
	23	42876.12	-76.24	-1029.54	-211.3	14179.0>>	304.2
	23	42831.00	-28.96	-799.35	260.7	-12328.5<<	160.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	23	42863.95	-63.55	-1294.65	-470.6	13895.4>>	285.9
	23	42795.31	-11.10	-679.74	351.7	-12305.1<<	173.6
	24	42861.23	-64.61	-1384.21	-387.5	12366.8>>	368.9
	24	42795.31	-11.10	-835.50	351.7	-13176.4<<	186.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	24	42834.50	-64.61	-1164.15	-387.5	12384.4>>	368.9
	24	42768.58	-11.10	-615.44	351.7	-13158.9<<	186.5
	25	42831.15	-64.68	-1247.08	-292.0	11007.5>>	450.8
	25	42768.58	-11.10	-771.19	351.7	-13956.1<<	199.2

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	25	42707.53	58.58	-1522.42	-595.1	10714.9>>	452.4
	25	42643.22	75.67	-661.90	481.6	-13907.5<<	222.2
	26	42701.22	63.21	-1610.91	-511.0	8927.9>>	383.4
	26	42643.22	75.67	-817.65	481.6	-14758.4<<	135.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	26	42595.14	63.21	-1407.35	-511.0	8942.4>>	383.4
	26	42537.14	75.67	-614.09	481.6	-14743.9<<	135.2
	27	42588.41	68.14	-1489.51	-411.2	7292.9>>	297.1
	27	42537.14	75.67	-769.84	481.6	-15539.4<<	48.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	27	42221.05	427.17	-3127.90	-768.7	6924.7>>	351.0
	27	42276.81	314.25	-2014.52	685.8	-15501.4<<	34.3
	28	42392.58	206.84	-1661.71	-99.8	4477.1>>	-114.6
	28	42148.24	501.44	-3641.04	138.5	-19026.0<<	-351.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	28	51694.29	206.84	-1212.30	-99.8	9497.8>>	-114.6
	28	51449.95	501.44	-3191.63	138.5	-14005.3<<	-351.0
	29	51739.63	146.07	-1212.12	-17.5	8198.1>>	-254.4
	29	51443.53	501.44	-3392.30	138.5	-17793.0<<	-928.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	29	51774.43	17.51	-632.71	-14.7	8149.9>>	-214.3
	29	51667.62	48.98	-3038.36	197.3	-17927.2<<	-769.1
	30	51774.43	17.51	-833.38	-14.7	7306.9>>	-234.2
	30	51667.62	48.98	-3239.03	197.3	-21536.6<<	-825.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	30	51702.27	17.51	-2636.57	-14.7	7273.5>>	-234.2
	30	51595.47	48.98	-5042.22	197.3	-21570.0<<	-825.2
	31	51702.27	17.51	-2837.24	-14.7	4126.0>>	-254.3
	31	51595.47	48.98	-5242.89	197.3	-27484.1<<	-881.4

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	31	51642.61	-44.71	3188.55	-20.0	4023.7>>	-251.5
	31	51614.56	-169.61	6482.36	186.0	-27690.8<<	-888.3
	32	51642.61	-44.71	2987.89	-20.0	7575.0>>	-200.2
	32	51615.05	-168.72	6264.02	174.7	-20360.5<<	-691.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	32	51630.14	-44.71	2064.35	-20.0	7567.6>>	-200.2
	32	51602.58	-168.72	5340.49	174.7	-20367.9<<	-691.4
	33	51630.14	-44.71	1863.68	-20.0	9826.2>>	-148.6
	33	51597.24	-168.01	4828.53	23.2	-14421.2<<	-523.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	33	51721.82	-146.75	2478.19	-14.7	9857.9>>	-155.1
	33	51730.10	-516.85	5211.60	25.3	-14502.0<<	-577.5
	34	51725.14	-205.29	2545.03	72.7	12654.1>>	34.6
	34	51736.52	-516.85	5010.93	25.3	-8620.8<<	17.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	34	42230.74	-205.29	1803.54	72.7	7526.2>>	34.6
	34	42242.11	-516.85	4269.44	25.3	-13748.7<<	17.3
	35	42229.41	-227.76	1853.10	253.6	9684.3>>	314.1
	35	42247.10	-516.85	4113.68	25.3	-8925.9<<	611.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	35	42252.98	-3.06	377.68	33.6	9563.9>>	241.9
	35	42250.96	-34.82	2581.15	24.4	-9041.1<<	440.5
	36	42255.69	-1.31	298.61	132.7	9983.6>>	242.3
	36	42250.96	-34.82	2425.40	24.4	-6162.3<<	480.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	36	39867.29	-1.31	452.19	132.7	6592.7>>	242.3
	36	39862.55	-34.82	2578.98	24.4	-9553.3<<	480.5
	37	39825.33	4.64	2088.87	581.5	8681.8>>	457.5
	37	39907.41	-39.86	699.44	-340.8	-8273.2<<	299.1

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	37	39797.76	104.90	1764.21	243.8	8422.0>>	446.2
	37	39896.20	48.65	757.56	-228.1	-8317.8<<	270.2
	38	39801.78	102.90	1683.71	337.3	10445.6>>	318.6
	38	39896.20	48.65	601.81	-228.1	-7536.1<<	214.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	38	39825.09	102.90	1850.85	337.3	10440.6>>	318.6
	38	39919.51	48.65	768.95	-228.1	-7541.1<<	214.3
	39	39828.75	100.77	1762.32	419.6	12549.4>>	195.8
	39	39919.51	48.65	613.20	-228.1	-6746.1<<	158.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	39	39853.28	76.71	1512.60	225.8	12296.9>>	214.1
	39	39941.93	46.22	672.93	-153.6	-6798.5<<	158.5
	40	39853.15	73.79	1551.28	301.6	13998.2>>	124.5
	40	39943.04	48.38	372.38	-171.3	-6165.1<<	105.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	40	39873.36	73.79	1720.47	301.6	13987.7>>	124.5
	40	39963.25	48.38	541.57	-171.3	-6175.6<<	105.3
	41	39873.26	69.77	1854.27	304.0	16192.1>>	43.5
	41	39964.62	51.91	112.61	-147.4	-5944.5<<	45.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	41	39909.55	30.08	1584.78	104.6	15934.6>>	53.1
	41	39989.61	27.58	177.63	-89.9	-5997.6<<	60.1
	42	39910.36	29.96	1447.28	135.7	17687.6>>	18.6
	42	39989.61	27.58	21.87	-89.9	-5883.2<<	28.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	42	39927.23	29.96	1617.04	135.7	17674.4>>	18.6
	42	40006.48	27.58	191.63	-89.9	-5896.4<<	28.4
	43	39928.35	29.67	1526.35	221.7	19511.3>>	-16.0
	43	40006.48	27.58	35.87	-89.9	-5765.5<<	-3.6

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	43	39956.37	4.83	1256.38	44.6	19250.3>>	-12.8
	43	40027.20	9.16	102.81	-48.0	-5819.0<<	6.0
	44	39956.79	4.87	1118.62	76.1	20622.9>>	-18.1
	44	40027.20	9.16	-52.94	-48.0	-5790.4<<	-4.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	44	39970.33	4.87	1289.36	76.1	20609.4>>	-18.1
	44	40040.74	9.16	117.79	-48.0	-5803.9<<	-4.4
	45	39970.84	4.92	1197.99	162.9	22059.7>>	-23.6
	45	40040.74	9.16	-37.97	-48.0	-5758.0<<	-15.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	45	39989.03	-4.52	876.20	-64.6	21798.9>>	-25.3
	45	40054.35	0.95	31.97	-16.6	-5811.0<<	-9.2
	46	39989.29	-4.41	792.05	33.5	22786.2>>	-19.8
	46	40054.35	0.95	-123.79	-16.6	-5863.4<<	-10.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	46	39999.38	-4.41	962.24	33.5	22774.5>>	-19.8
	46	40064.43	0.95	46.41	-16.6	-5875.1<<	-10.2
	47	39999.56	-4.30	870.41	120.8	23834.8>>	-14.8
	47	40064.43	0.95	-109.35	-16.6	-5911.4<<	-11.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	47	40010.27	-4.97	549.71	-96.3	23578.4>>	-18.5
	47	40071.68	-0.47	-38.28	7.7	-5960.3<<	-7.6
	48	40010.31	-4.88	465.18	2.1	24174.5>>	-12.5
	48	40071.68	-0.47	-194.04	7.7	-6094.1<<	-6.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	48	40017.00	-4.88	636.53	2.1	24165.9>>	-12.5
	48	40078.37	-0.47	-22.69	7.7	-6102.6<<	-6.8
	49	40016.98	-4.83	528.85	62.5	24838.7>>	-7.1
	49	40078.37	-0.47	-178.45	7.7	-6218.2<<	-6.4

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	49	40022.39	-2.19	225.15	-120.2	24583.2>>	-10.7
	49	40080.71	1.00	-106.16	28.2	-6262.9<<	-3.0
	50	40022.25	-2.11	140.43	-21.6	24789.0>>	-8.0
	50	40079.40	2.01	-378.15	33.4	-6543.4<<	-3.9

BARRA	50	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	50	40025.49	-2.11	311.41	-21.6	24784.6>>	-8.0
	50	40082.63	2.01	-207.17	33.4	-6547.8<<	-3.9
	51	40025.42	-2.07	203.66	38.8	25071.6>>	-5.8
	51	40082.63	2.01	-362.93	33.4	-6875.7<<	-6.5

BARRA	51	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	51	40025.78	0.60	-104.71	-140.2	24815.3>>	-8.7
	51	40079.19	3.57	-295.33	52.8	-6913.2<<	-0.6
	52	40025.67	0.64	-207.09	-73.3	24628.3>>	-9.3
	52	40079.19	3.57	-451.08	52.8	-7342.4<<	-4.6

BARRA	52	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	52	40023.85	0.64	-44.71	-73.3	24630.4>>	-9.3
	52	40077.38	3.57	-288.70	52.8	-7340.4<<	-4.6
	53	40023.52	0.72	-134.77	18.9	24512.3>>	-10.1
	53	40077.38	3.57	-444.46	52.8	-7761.9<<	-8.6

BARRA	53	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	53	40020.34	1.05	-464.76	-193.7	24257.3>>	-11.7
	53	40070.37	3.30	-381.23	71.3	-7794.0<<	-2.1
	54	40019.86	1.14	-549.29	-94.4	23660.5>>	-13.2
	54	40070.37	3.30	-536.99	71.3	-8321.9<<	-6.0

BARRA	54	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	54	40014.89	1.14	-386.98	-94.4	23666.1>>	-13.2
	54	40065.39	3.30	-374.68	71.3	-8316.3<<	-6.0
	55	40014.52	1.19	-525.03	-62.6	23141.6>>	-14.6
	55	40065.39	3.30	-530.44	71.3	-8836.6<<	-9.8

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	55	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	55	39997.33	-3.68	-809.13	-219.2	22879.0>>	-14.8
	55	40044.74	-0.82	-470.07	90.7	-8867.5<<	-2.5
	56	39996.55	-3.61	-893.35	-120.0	21870.0>>	-10.8
	56	40044.74	-0.82	-625.83	90.7	-9497.7<<	-1.6

BARRA	56	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	56	44567.68	-3.61	-731.27	-120.0	28424.1>>	-10.8
	56	44615.87	-0.82	-463.74	90.7	-2943.6<<	-1.6
	57	44567.08	-3.57	-869.20	-88.2	27498.0>>	-6.8
	57	44615.87	-0.82	-619.50	90.7	-3566.6<<	-0.7

BARRA	57	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	57	44571.44	-17.05	-1200.46	-304.3	27245.3>>	-5.9
	57	44615.37	-10.25	-556.95	123.6	-3570.7<<	6.6
	58	44570.32	-17.13	-1287.88	-211.8	25838.0>>	13.7
	58	44615.37	-10.25	-712.70	123.6	-4300.8<<	18.4

BARRA	58	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	58	44567.74	-17.13	-1125.97	-211.8	25862.3>>	13.7
	58	44612.79	-10.25	-550.80	123.6	-4276.5<<	18.4
	59	44567.32	-17.18	-1227.71	-145.3	24532.4>>	33.7
	59	44612.79	-10.25	-706.55	123.6	-4999.6<<	30.3

BARRA	59	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	59	44574.05	-39.91	-1539.77	-333.4	24277.6>>	34.2
	59	44613.21	-23.55	-644.17	173.2	-4994.7<<	36.1
	60	44572.51	-40.51	-1626.57	-241.7	22469.4>>	81.6
	60	44613.21	-23.55	-799.93	173.2	-5824.8<<	63.5

BARRA	60	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	60	44566.94	-40.51	-1465.63	-241.7	22492.8>>	81.6
	60	44607.64	-23.55	-639.00	173.2	-5801.4<<	63.5
	61	44566.39	-40.88	-1566.91	-176.0	20766.9>>	129.2
	61	44607.64	-23.55	-794.75	173.2	-6626.1<<	90.5

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	61	44573.91	-63.49	-1877.52	-376.4	20500.2>>	129.2
	61	44605.82	-32.01	-734.21	240.7	-6614.1<<	94.4
	62	44573.35	-64.42	-1981.99	-317.9	18298.9>>	205.1
	62	44605.82	-32.01	-889.97	240.7	-7548.2<<	131.3
BARRA	62	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	62	44564.83	-64.42	-1821.25	-317.9	18319.4>>	205.1
	62	44597.29	-32.01	-729.22	240.7	-7527.6<<	131.3
	63	44609.30	-67.79	-1721.85	-223.0	16351.7>>	292.5
	63	44550.75	-30.34	-1066.46	242.1	-8604.4<<	162.3
BARRA	63	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	63	44603.68	-56.54	-2030.89	-444.8	16068.5>>	294.0
	63	44533.42	-12.87	-1008.42	336.8	-8584.8<<	172.3
	64	44602.81	-57.76	-2134.73	-387.8	13692.1>>	366.0
	64	44533.42	-12.87	-1164.17	336.8	-9834.1<<	187.3
BARRA	64	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	64	44549.55	-57.76	-1981.73	-387.8	13721.8>>	366.0
	64	44480.16	-12.87	-1011.17	336.8	-9804.4<<	187.3
	65	44546.13	-58.07	-2062.79	-292.5	11425.6>>	440.2
	65	44480.16	-12.87	-1166.93	336.8	-11057.0<<	201.8
BARRA	65	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	65	44416.78	66.96	-2381.69	-555.6	11128.8>>	456.2
	65	44362.00	74.17	-1119.10	471.5	-11019.9<<	222.2
	66	44410.17	71.17	-2466.05	-465.1	8357.1>>	376.0
	66	44362.00	74.17	-1274.85	471.5	-12396.3<<	136.7
BARRA	66	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	66	44334.90	71.17	-2320.05	-465.1	8360.0>>	376.0
	66	44286.73	74.17	-1128.85	471.5	-12393.4<<	136.7
	67	44384.45	47.48	-819.35	3.8	7346.1>>	129.9
	67	44230.58	101.92	-2866.35	102.6	-15464.3<<	202.8

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	67	44152.82	243.38	-2312.50	-146.4	7155.0>>	153.6
	67	43846.11	508.23	-4441.74	154.9	-15599.3<<	218.9
	68	44203.29	209.18	-2311.50	-11.3	4488.2>>	-127.6
	68	43840.20	509.03	-4597.54	157.8	-20799.6<<	-367.0
BARRA	68	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	68	54864.18	209.18	-2477.12	-11.3	9572.4>>	-127.6
	68	54501.09	509.03	-4763.16	157.8	-15715.4<<	-367.0
	69	54909.11	148.91	-2534.89	-12.1	6756.4>>	-256.0
	69	54494.67	509.03	-4963.83	157.8	-21311.3<<	-952.5
BARRA	69	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	69	54941.53	18.64	-1786.75	-1.7	6680.5>>	-211.3
	69	54724.94	50.17	-4443.78	226.4	-21471.8<<	-782.0
	70	54941.53	18.64	-1987.42	-1.7	4510.2>>	-232.8
	70	54724.94	50.17	-4644.45	226.4	-26697.7<<	-839.7
BARRA	70	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	70	54975.38	18.64	-3202.23	-1.7	4555.6>>	-232.8
	70	54758.79	50.17	-5859.25	226.4	-26652.3<<	-839.7
	71	54975.38	18.64	-3402.90	-1.7	757.6>>	-254.1
	71	54758.79	50.17	-6059.92	226.4	-33505.8<<	-897.3
BARRA	71	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	71	55178.96	-43.37	3532.31	-5.2	883.6>>	-246.9
	71	55045.49	-172.19	6869.61	218.5	-33484.3<<	-904.1
	72	55178.96	-43.37	3331.64	-5.2	4830.4>>	-197.0
	72	55039.68	-169.69	6359.68	91.0	-26032.9<<	-719.4
BARRA	72	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	72	55347.39	-43.37	2402.51	-5.2	4974.7>>	-197.0
	72	55208.12	-169.69	5430.55	91.0	-25888.6<<	-719.4
	73	55347.39	-43.37	2201.84	-5.2	7622.4>>	-147.3
	73	55208.12	-169.69	5229.88	91.0	-19758.6<<	-524.4

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	73	55430.45	-145.19	2934.69	-0.5	7658.4>>	-148.0
	73	55334.06	-515.61	5726.27	80.6	-19839.2<<	-579.5
	74	55436.49	-203.49	3014.39	92.3	11078.7>>	40.5
	74	55340.48	-515.61	5525.60	80.6	-13365.8<<	13.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	74	44516.18	-203.49	2227.28	92.3	5843.0>>	40.5
	74	44420.17	-515.61	4738.48	80.6	-18601.5<<	13.7
	75	44513.33	-226.07	2255.89	266.6	8513.7>>	318.8
	75	44425.15	-515.61	4582.73	80.6	-13239.0<<	607.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	75	44550.25	0.00	727.07	80.2	8396.7>>	248.7
	75	44451.58	-38.10	2979.38	72.0	-13353.9<<	426.7
	76	44507.21	6.96	2323.96	506.7	9478.8>>	476.0
	76	44495.11	-43.82	1127.69	-288.2	-10288.3<<	241.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	76	39858.09	6.96	2477.55	506.7	2731.4>>	476.0
	76	39845.99	-43.82	1281.27	-288.2	-17035.6<<	241.9
	77	39860.82	7.83	2390.02	590.2	5563.7>>	459.9
	77	39845.99	-43.82	1125.52	-288.2	-15651.6<<	292.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	77	39834.63	105.98	2139.84	346.1	5310.2>>	444.4
	77	39839.34	43.51	1183.01	-183.4	-15697.5<<	255.9
	78	39836.20	104.62	2034.28	402.5	7683.5>>	318.1
	78	39839.34	43.51	1027.25	-183.4	-14426.7<<	205.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	78	39859.50	104.62	2201.43	402.5	7678.6>>	318.1
	78	39862.63	43.51	1194.40	-183.4	-14431.7<<	205.9
	79	39861.47	103.83	2062.38	428.3	10136.9>>	195.9
	79	39862.63	43.51	1038.64	-183.4	-13147.7<<	155.6

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	79	39883.48	79.39	1811.41	232.3	9888.7>>	219.4
	79	39888.66	41.70	1097.29	-116.7	-13202.1<<	148.3
	80	39885.34	72.39	2067.99	283.5	12091.9>>	126.8
	80	39887.77	47.94	578.70	-109.8	-12236.6<<	100.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	80	39905.54	72.39	2237.16	283.5	12081.3>>	126.8
	80	39907.98	47.94	747.88	-109.8	-12247.2<<	100.3
	81	39906.76	71.89	2097.68	309.7	14579.4>>	43.6
	81	39907.98	47.94	592.12	-109.8	-11476.6<<	45.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	81	39941.87	31.82	1845.54	140.0	14322.8>>	56.9
	81	39935.71	24.40	655.91	-59.7	-11532.5<<	53.1
	82	39942.30	31.63	1738.72	199.2	16356.3>>	20.1
	82	39935.71	24.40	500.16	-59.7	-10867.5<<	25.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	82	39959.15	31.63	1908.47	199.2	16342.8>>	20.1
	82	39952.56	24.40	669.91	-59.7	-10881.0<<	25.1
	83	39959.79	31.53	1768.69	225.9	18459.9>>	-16.1
	83	39952.89	24.35	514.12	-58.8	-10200.1<<	-3.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	83	39985.89	6.54	1498.01	46.9	18198.3>>	-9.3
	83	39976.44	6.44	579.87	-24.1	-10256.2<<	0.4
	84	39986.28	6.58	1360.20	78.3	19849.1>>	-16.5
	84	39976.44	6.44	424.11	-24.1	-9679.0<<	-6.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	84	39999.82	6.58	1530.93	78.3	19835.5>>	-16.5
	84	39989.99	6.44	594.84	-24.1	-9692.5<<	-6.9
	85	40000.30	6.63	1439.48	165.2	21563.8>>	-24.0
	85	39989.99	6.44	439.09	-24.1	-9098.0<<	-14.3

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	85	40016.52	-2.82	1117.12	-64.8	21302.5>>	-22.0
	85	40006.52	-1.55	507.89	0.5	-9152.7<<	-14.5
	86	40016.75	-2.70	1032.91	33.3	22565.7>>	-18.5
	86	40006.52	-1.55	352.13	0.5	-8658.5<<	-12.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	86	40026.82	-2.70	1203.11	33.3	22553.9>>	-18.5
	86	40016.59	-1.55	522.32	0.5	-8670.3<<	-12.6
	87	40026.99	-2.60	1111.25	120.6	23890.8>>	-15.4
	87	40016.59	-1.55	366.57	0.5	-8158.7<<	-10.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	87	40035.69	-3.27	789.98	-98.6	23632.9>>	-15.1
	87	40026.83	-2.94	436.50	18.7	-8210.3<<	-12.7
	88	40035.71	-3.17	705.46	-0.2	24504.1>>	-11.3
	88	40026.83	-2.94	280.74	18.7	-7797.8<<	-9.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	88	40042.41	-3.17	876.81	-0.2	24495.7>>	-11.3
	88	40033.53	-2.94	452.09	18.7	-7806.3<<	-9.3
	89	40042.38	-3.13	769.15	60.1	25443.4>>	-7.6
	89	40033.53	-2.94	296.33	18.7	-7376.0<<	-5.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	89	40045.76	-0.50	465.04	-124.6	25186.5>>	-7.4
	89	40038.89	-1.54	367.62	33.7	-7422.8<<	-8.2
	90	40045.61	-0.42	380.38	-26.0	25666.5>>	-6.8
	90	40038.89	-1.54	211.86	33.7	-7089.3<<	-6.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	90	40048.86	-0.42	551.36	-26.0	25662.1>>	-6.8
	90	40042.13	-1.54	382.83	33.7	-7093.7<<	-6.4
	91	40048.78	-0.38	443.66	34.5	26223.9>>	-6.3
	91	40042.01	-1.42	185.80	32.1	-6754.9<<	-4.7

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	91	40047.14	2.28	135.22	-146.3	25966.1>>	-5.4
	91	40042.54	0.14	252.55	46.2	-6795.2<<	-6.4
	92	40047.02	2.32	32.92	-79.4	26053.5>>	-8.1
	92	40041.42	0.84	14.01	51.3	-6682.8<<	-6.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	92	40045.20	2.32	195.30	-79.4	26055.8>>	-8.1
	92	40039.60	0.84	176.39	51.3	-6680.6<<	-6.8
	93	40044.86	2.40	105.36	12.9	26211.6>>	-10.8
	93	40039.60	0.84	20.63	51.3	-6567.3<<	-7.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	93	40039.67	2.76	-224.18	-199.2	25956.8>>	-8.9
	93	40035.75	0.59	83.72	67.5	-6600.2<<	-7.5
	94	40039.17	2.85	-308.55	-99.9	25634.8>>	-11.9
	94	40035.75	0.59	-72.03	67.5	-6593.4<<	-7.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	94	40034.20	2.85	-146.24	-99.9	25640.6>>	-11.9
	94	40030.78	0.59	90.28	67.5	-6587.6<<	-7.9
	95	40033.82	2.90	-284.22	-68.0	25392.2>>	-15.4
	95	40030.78	0.59	-65.48	67.5	-6573.4<<	-8.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	95	40014.65	-1.94	-567.10	-222.3	25130.2>>	-11.9
	95	40013.06	-3.55	-4.58	86.9	-6603.6<<	-7.5
	96	40013.85	-1.87	-651.12	-123.1	24397.9>>	-9.8
	96	40013.06	-3.55	-160.34	86.9	-6698.7<<	-3.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	96	42293.93	-1.87	-489.03	-123.1	27679.8>>	-9.8
	96	42293.14	-3.55	1.75	86.9	-3416.8<<	-3.3
	97	42293.32	-1.83	-626.88	-91.3	27032.3>>	-7.8
	97	42293.14	-3.55	-154.01	86.9	-3504.1<<	0.8

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	97	42291.45	-15.24	-958.33	-307.1	26773.9>>	-3.0
	97	42291.60	-13.07	-92.24	117.4	-3514.8<<	2.1
	98	42290.29	-15.32	-1045.52	-214.6	25644.2>>	14.5
	98	42291.60	-13.07	-248.00	117.4	-3710.6<<	17.1

BARRA	98	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	98	42283.50	-15.32	-883.61	-214.6	25662.4>>	14.5
	98	42284.80	-13.07	-86.09	117.4	-3692.4<<	17.1
	99	42283.06	-15.37	-985.20	-148.2	24611.2>>	32.1
	99	42284.80	-13.07	-241.85	117.4	-3880.9<<	32.2

BARRA	99	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	99	42283.49	-37.99	-1297.98	-338.3	24349.0>>	36.7
	99	42284.19	-26.51	-180.92	162.2	-3884.3<<	32.2
	100	42281.89	-38.60	-1384.51	-246.6	22819.1>>	81.5
	100	42284.19	-26.51	-336.67	162.2	-4181.6<<	62.7

BARRA	100	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	100	42272.13	-38.60	-1223.58	-246.6	22836.5>>	81.5
	100	42274.43	-26.51	-175.74	162.2	-4164.2<<	62.7
	101	42271.55	-38.97	-1324.68	-180.9	21389.7>>	126.9
	101	42274.43	-26.51	-331.50	162.2	-4455.9<<	93.1

BARRA	101	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	101	42272.74	-61.45	-1635.93	-383.7	21116.1>>	130.9
	101	42271.56	-34.98	-272.40	224.4	-4452.0<<	91.3
	102	42272.15	-62.38	-1740.23	-325.2	19193.5>>	204.2
	102	42271.56	-34.98	-428.15	224.4	-4855.0<<	131.4

BARRA	102	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	102	42259.45	-62.38	-1579.49	-325.2	19207.9>>	204.2
	102	42258.86	-34.98	-267.41	224.4	-4840.6<<	131.4
	103	42280.24	-70.87	-1321.86	-229.5	17695.3>>	295.5
	103	42235.90	-28.19	-762.59	224.9	-5560.7<<	160.0

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	103	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	103	42274.06	-59.56	-1631.88	-456.0	17404.9>>	290.0
	103	42211.71	-10.67	-705.42	316.3	-5548.7<<	175.0
	104	42273.15	-60.78	-1735.53	-399.1	15489.3>>	365.3
	104	42211.71	-10.67	-861.18	316.3	-6449.3<<	187.2

BARRA	104	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	104	42215.72	-60.78	-1582.53	-399.1	15513.0>>	365.3
	104	42154.29	-10.67	-708.18	316.3	-6425.6<<	187.2
	105	42212.19	-61.08	-1663.27	-303.8	13679.3>>	443.1
	105	42154.29	-10.67	-863.93	316.3	-7329.7<<	199.4

BARRA	105	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	105	42082.17	63.74	-1983.16	-572.4	13376.0>>	452.3
	105	42029.14	76.36	-817.03	447.0	-7300.0<<	224.8
	106	42133.05	40.03	-459.02	-115.3	11206.1>>	192.9
	106	41971.53	104.28	-2580.97	80.3	-8468.7<<	319.9

BARRA	106	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	106	42053.61	40.03	-313.01	-115.3	11203.1>>	192.9
	106	41892.10	104.28	-2434.96	80.3	-8471.7<<	319.9
	107	42046.91	44.10	-393.73	-15.4	10819.1>>	134.1
	107	41892.10	104.28	-2590.72	80.3	-11361.4<<	200.1

BARRA	107	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	107	41829.11	238.62	-1813.49	-172.6	10622.7>>	153.3
	107	41509.25	510.89	-4092.27	131.6	-11504.1<<	223.2
	108	41932.06	144.14	-1666.80	-38.8	8599.0>>	-79.0
	108	41504.27	510.89	-4248.02	131.6	-16302.4<<	-364.4

BARRA	108	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	108	51250.27	144.14	-1791.07	-38.8	13619.2>>	-79.0
	108	50822.48	510.89	-4372.29	131.6	-11282.1<<	-364.4
	109	51243.85	144.14	-1991.73	-38.8	11443.3>>	-245.0
	109	50816.06	510.89	-4572.96	131.6	-16428.0<<	-952.3

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	109	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	109	51258.11	16.34	-1361.86	-34.3	11360.4>>	-211.4
	109	51027.15	52.74	-4170.85	202.9	-16593.7<<	-782.7
	110	51258.11	16.34	-1562.53	-34.3	9678.7>>	-230.1
	110	51027.15	52.74	-4371.52	202.9	-21505.7<<	-843.2

BARRA	110	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	110	51285.39	16.34	-2776.38	-34.3	9718.3>>	-230.1
	110	51054.42	52.74	-5585.37	202.9	-21466.1<<	-843.2
	111	51285.39	16.34	-2977.05	-34.3	6410.1>>	-249.0
	111	51048.04	58.19	-6113.21	59.9	-28215.1<<	-911.2

BARRA	111	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	111	51501.50	-45.32	2853.27	-35.1	6546.9>>	-249.3
	111	51343.74	-167.43	5799.80	63.7	-28182.1<<	-915.3
	112	51503.67	-45.34	2708.75	-35.7	9726.6>>	-196.6
	112	51343.74	-167.43	5599.13	63.7	-21627.6<<	-723.0

BARRA	112	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	112	51677.83	-45.34	1598.28	-35.7	9874.2>>	-196.6
	112	51517.91	-167.43	4488.66	63.7	-21480.0<<	-723.0
	113	51677.83	-45.34	1397.61	-35.7	11596.7>>	-144.4
	113	51517.91	-167.43	4287.99	63.7	-16433.6<<	-530.4

BARRA	113	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	113	51773.26	-148.26	1930.20	-24.1	11617.8>>	-152.1
	113	51656.14	-514.34	4583.72	65.2	-16528.5<<	-581.0
	114	51777.02	-206.83	1962.69	70.4	13775.1>>	39.5
	114	51662.56	-514.34	4383.05	65.2	-11369.9<<	11.0

BARRA	114	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	114	42168.43	-206.83	1492.25	70.4	8572.7>>	39.5
	114	42053.98	-514.34	3912.61	65.2	-16572.3<<	11.0
	115	42166.54	-229.46	1520.69	244.0	10371.1>>	321.8
	115	42058.95	-513.11	3756.83	69.5	-12160.1<<	602.3

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	115	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	115	42189.16	-1.36	138.08	129.2	10255.8>>	246.4
	115	42063.16	-36.81	2244.76	62.2	-12279.3<<	426.1
	116	42143.02	5.11	1628.50	541.2	11199.3>>	471.6
	116	42110.01	-42.84	493.26	-293.0	-10659.8<<	239.9

BARRA	116	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	116	39853.06	5.11	1799.29	541.2	7823.7>>	471.6
	116	39820.05	-42.84	664.05	-293.0	-14035.4<<	239.9
	117	39855.09	5.56	1660.52	567.9	9821.1>>	463.2
	117	39820.05	-42.84	508.30	-293.0	-13361.3<<	288.9

BARRA	117	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	117	39835.80	103.79	1427.55	330.4	9574.9>>	442.8
	117	39816.50	44.35	583.44	-184.7	-13405.5<<	255.1
	118	39837.37	102.44	1321.44	386.9	11131.8>>	319.1
	118	39816.50	44.35	427.68	-184.7	-12824.1<<	204.3

BARRA	118	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	118	39862.74	102.44	1503.71	386.9	11123.7>>	319.1
	118	39841.88	44.35	609.96	-184.7	-12832.2<<	204.3
	119	39844.07	100.94	1476.48	427.5	12826.8>>	198.9
	119	39862.50	45.07	342.11	-199.7	-12266.2<<	154.1

BARRA	119	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	119	39871.12	76.56	1242.24	236.0	12582.1>>	216.2
	119	39888.59	43.14	419.16	-124.3	-12322.1<<	150.1
	120	39855.45	74.26	1351.97	273.5	14166.2>>	125.5
	120	39905.20	44.68	46.84	-103.7	-12169.8<<	101.8

BARRA	120	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	120	39877.13	74.26	1537.16	273.5	14152.6>>	125.5
	120	39926.88	44.68	232.03	-103.7	-12183.3<<	101.8
	121	39878.32	73.78	1397.39	299.7	15845.9>>	40.0
	121	39926.88	44.68	76.28	-103.7	-12006.0<<	50.5

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	121	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	121	39912.39	33.63	1162.66	137.3	15590.8>>	57.3
	121	39959.06	21.45	157.85	-48.0	-12061.4<<	51.9
	122	39912.79	33.46	1055.26	196.5	16838.1>>	18.4
	122	39959.06	21.45	2.10	-48.0	-11969.7<<	27.2
BARRA	122	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	122	39930.39	33.46	1240.21	196.5	16822.7>>	18.4
	122	39976.66	21.45	187.04	-48.0	-11985.2<<	27.2
	123	39930.99	33.36	1100.14	223.2	18170.8>>	-19.8
	123	39976.66	21.45	31.28	-48.0	-11859.4<<	2.6
BARRA	123	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	123	39955.30	8.53	848.39	50.5	17909.0>>	-9.0
	123	40004.08	3.78	116.04	-7.6	-11914.9<<	-0.4
	124	39955.65	8.57	710.30	81.9	18811.9>>	-18.6
	124	40004.08	3.78	-39.71	-7.6	-11870.8<<	-4.7
BARRA	124	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	124	39969.45	8.57	896.61	81.9	18797.1>>	-18.6
	124	40017.87	3.78	146.59	-7.6	-11885.6<<	-4.7
	125	39969.85	8.64	804.32	168.7	19792.3>>	-28.2
	125	40017.87	3.78	-9.16	-7.6	-11806.6<<	-8.9
BARRA	125	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	125	39983.22	-0.50	499.68	-55.5	19532.7>>	-22.3
	125	40037.30	-3.99	76.86	23.1	-11859.2<<	-15.6
	126	39983.37	-0.37	414.64	42.6	20081.4>>	-21.5
	126	40037.30	-3.99	-78.90	23.1	-11860.3<<	-10.9
BARRA	126	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	126	39992.82	-0.37	602.39	42.6	20070.0>>	-21.5
	126	40046.74	-3.99	108.86	23.1	-11871.7<<	-10.9
	127	39992.89	-0.25	509.72	129.9	20709.7>>	-21.0
	127	40046.74	-3.99	-46.90	23.1	-11836.4<<	-6.3

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	127	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	127	39997.95	-0.43	205.33	-85.1	20454.7>>	-16.8
	127	40059.19	-5.12	39.42	47.3	-11884.0<<	-14.7
	128	39997.85	-0.32	120.02	13.3	20647.0>>	-16.3
	128	40059.19	-5.12	-116.34	47.3	-11928.1<<	-8.9
BARRA	128	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	128	40003.10	-0.32	307.58	13.3	20640.0>>	-16.3
	128	40064.44	-5.12	71.22	47.3	-11935.0<<	-8.9
	129	40003.03	-0.26	199.41	73.7	20928.5>>	-15.9
	129	40064.44	-5.12	-84.53	47.3	-11942.6<<	-2.8
BARRA	129	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	129	40002.03	2.39	-88.14	-108.6	20671.5>>	-11.3
	129	40071.44	-3.92	3.06	68.1	-11984.9<<	-11.3
	130	40001.90	2.44	-190.96	-41.8	20508.6>>	-14.0
	130	40072.09	-3.14	-293.32	72.3	-12149.9<<	-6.8
BARRA	130	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	130	40002.04	2.44	-7.87	-41.8	20508.1>>	-14.0
	130	40072.23	-3.14	-110.24	72.3	-12150.4<<	-6.8
	131	40001.71	2.55	-98.62	50.4	20439.5>>	-16.9
	131	40072.23	-3.14	-265.99	72.3	-12366.5<<	-3.0
BARRA	131	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	131	39994.70	3.61	-413.04	-162.7	20184.4>>	-11.3
	131	40072.48	-3.05	-187.75	93.9	-12399.0<<	-9.5
	132	39994.18	3.72	-498.27	-63.4	19653.1>>	-15.3
	132	40072.48	-3.05	-343.51	93.9	-12704.4<<	-5.8
BARRA	132	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	132	39989.49	3.72	-320.50	-63.4	19658.7>>	-15.3
	132	40067.79	-3.05	-165.74	93.9	-12698.9<<	-5.8
	133	39989.12	3.78	-458.79	-31.6	19212.2>>	-19.8
	133	40067.79	-3.05	-321.49	93.9	-12979.0<<	-2.3

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	133	39979.62	-0.40	-726.38	-186.7	18957.4>>	-12.5
	133	40065.68	-6.77	-244.62	117.1	-13005.8<<	-7.8
	134	39978.76	-0.31	-811.35	-87.6	18047.8>>	-12.1
	134	40065.68	-6.77	-400.37	117.1	-13376.3<<	0.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	134	46383.48	-0.31	-633.96	-87.6	21782.2>>	-12.1
	134	46470.41	-6.77	-222.98	117.1	-9641.9<<	0.1
	135	46382.85	-0.26	-772.14	-55.8	20969.0>>	-12.0
	135	46470.41	-6.77	-378.74	117.1	-9988.0<<	7.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	135	46417.04	-13.37	-1037.28	-211.7	20722.0>>	-3.2
	135	46511.26	-16.11	-300.35	151.0	-9988.5<<	2.6
	136	46416.22	-13.40	-1175.29	-179.4	19445.3>>	12.1
	136	46511.26	-16.11	-456.11	151.0	-10423.3<<	21.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	136	46416.12	-13.40	-999.43	-179.4	19465.7>>	12.1
	136	46511.17	-16.11	-280.25	151.0	-10402.9<<	21.0
	137	46414.64	-13.48	-1083.95	-81.4	18281.9>>	27.6
	137	46511.17	-16.11	-436.00	151.0	-10814.7<<	39.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	137	46419.60	-35.89	-1398.28	-302.8	18023.1>>	36.2
	137	46520.12	-29.49	-358.35	198.7	-10814.2<<	33.1
	138	46417.84	-36.47	-1485.87	-211.2	16377.1>>	78.4
	138	46520.12	-29.49	-514.10	198.7	-11315.5<<	66.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	138	46414.10	-36.47	-1310.55	-211.2	16397.4>>	78.4
	138	46516.38	-29.49	-338.79	198.7	-11295.2<<	66.8
	139	46413.44	-36.83	-1412.37	-145.4	14848.4>>	121.6
	139	46516.38	-29.49	-494.54	198.7	-11774.8<<	100.9

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	139	46417.65	-59.25	-1708.30	-347.4	14576.8>>	129.6
	139	46522.67	-37.97	-419.53	264.0	-11767.3<<	92.3
	140	46416.97	-60.17	-1813.31	-288.9	12568.4>>	200.4
	140	46522.67	-37.97	-575.28	264.0	-12339.2<<	135.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	140	46409.43	-60.17	-1638.23	-288.9	12585.7>>	200.4
	140	46515.14	-37.97	-400.20	264.0	-12321.9<<	135.9
	141	46419.65	-65.97	-1445.81	-212.9	10685.6>>	283.5
	141	46502.50	-33.85	-831.27	284.4	-12881.7<<	173.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	141	46415.37	-54.58	-1756.78	-465.3	10392.9>>	283.6
	141	46489.46	-16.13	-758.80	378.2	-12863.0<<	176.7
	142	46426.67	-58.77	-1709.85	-361.4	8478.6>>	360.4
	142	46475.04	-13.18	-1049.79	357.5	-13957.6<<	191.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	142	46370.79	-58.77	-1543.92	-361.4	8508.9>>	360.4
	142	46419.16	-13.18	-883.86	357.5	-13927.4<<	191.0
	143	46366.90	-59.05	-1625.78	-266.1	6709.2>>	436.1
	143	46419.16	-13.18	-1039.61	357.5	-15033.5<<	206.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	143	46236.12	65.57	-1931.46	-534.4	6409.0>>	448.7
	143	46298.64	74.07	-977.42	491.6	-14995.7<<	225.5
	144	46228.97	69.82	-2016.60	-443.9	4146.9>>	370.0
	144	46298.64	74.07	-1133.18	491.6	-16209.1<<	140.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	144	46151.26	69.82	-1857.92	-443.9	4149.5>>	370.0
	144	46220.94	74.07	-974.50	491.6	-16206.4<<	140.2
	145	46210.37	45.72	-452.68	29.2	2825.7>>	126.5
	145	46154.75	102.29	-2617.31	118.5	-18268.2<<	205.8

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	145	45991.10	238.51	-2045.93	-193.0	2631.2>>	155.2
	145	45772.70	509.27	-4241.18	171.4	-18405.9<<	222.7
	146	45981.35	240.87	-2128.48	-85.0	250.6>>	-139.4
	146	45767.72	509.27	-4396.94	171.4	-23375.7<<	-363.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	146	56665.29	240.87	-2025.67	-85.0	5336.1>>	-139.4
	146	56451.65	509.27	-4294.13	171.4	-18290.1<<	-363.0
	147	56778.18	144.99	-1899.51	11.4	3113.6>>	-256.5
	147	56445.23	509.27	-4494.80	171.4	-23346.1<<	-949.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	147	56998.75	14.88	-1152.08	15.3	3174.9>>	-216.4
	147	56863.58	51.60	-3972.31	235.6	-23368.3<<	-774.0
	148	56998.75	14.88	-1352.75	15.3	1734.6>>	-233.6
	148	56863.58	51.60	-4172.98	235.6	-28052.0<<	-833.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	148	57183.21	14.88	-2748.27	15.3	1904.3>>	-233.6
	148	57048.03	51.60	-5568.49	235.6	-27882.2<<	-833.4
	149	57183.21	14.88	-2948.94	15.3	-1371.6>>	-250.6
	149	57048.03	51.60	-5769.16	235.6	-34401.5<<	-892.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	149	57391.77	-46.89	4001.88	1.4	-1254.3>>	-250.5
	149	57331.77	-169.04	7112.12	221.3	-34386.8<<	-893.1
	150	57391.77	-46.89	3801.21	1.4	3232.4>>	-196.7
	150	57322.06	-166.49	6564.54	92.0	-26363.3<<	-712.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	150	57567.25	-46.89	2849.48	1.4	3374.5>>	-196.7
	150	57497.53	-166.49	5612.81	92.0	-26221.2<<	-712.6
	151	57567.25	-46.89	2648.81	1.4	6536.3>>	-143.0
	151	57497.53	-166.49	5412.14	92.0	-19881.6<<	-521.4

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	151	57645.43	-146.08	3426.67	-6.4	6563.8>>	-153.3
	151	57618.32	-509.96	5956.90	73.9	-19968.2<<	-570.0
	152	57646.65	-204.41	3462.59	88.4	10410.1>>	35.6
	152	57624.74	-509.96	5756.23	73.9	-13229.7<<	16.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	152	46760.20	-204.41	2665.93	88.4	5190.4>>	35.6
	152	46738.29	-509.96	4959.57	73.9	-18449.4<<	16.8
	153	46754.80	-226.65	2699.05	262.6	8312.3>>	314.5
	153	46743.27	-509.96	4803.81	73.9	-12832.4<<	603.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	153	46810.16	-3.64	1079.30	30.9	8188.0>>	241.5
	153	46774.01	-33.89	3127.75	55.2	-12952.3<<	434.4
	154	46825.39	4.32	2748.18	488.9	9907.8>>	475.9
	154	46762.23	-40.17	1225.45	-303.9	-9928.5<<	239.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	154	48619.93	4.32	2905.51	488.9	6985.3>>	475.9
	154	48556.77	-40.17	1382.78	-303.9	-12851.0<<	239.4
	155	48623.65	5.15	2819.84	572.4	10309.4>>	463.6
	155	48556.77	-40.17	1227.02	-303.9	-11350.5<<	285.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	155	48604.36	102.85	2573.54	318.4	10052.4>>	442.3
	155	48548.06	47.15	1287.49	-203.9	-11398.4<<	258.0
	156	48606.44	101.46	2469.17	374.8	12926.7>>	319.4
	156	48548.06	47.15	1131.73	-203.9	-10007.1<<	203.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	156	48632.08	101.46	2640.17	374.8	12921.4>>	319.4
	156	48573.71	47.15	1302.73	-203.9	-10012.4<<	203.6
	157	48634.55	100.65	2501.68	400.6	15886.1>>	201.4
	157	48573.71	47.15	1146.97	-203.9	-8603.9<<	149.6

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	157	48663.40	76.15	2255.29	197.0	15639.2>>	218.4
	157	48597.77	45.27	1209.39	-139.6	-8660.0<<	150.1
	158	48664.82	75.37	2150.10	255.0	18151.6>>	129.2
	158	48597.77	45.27	1053.64	-139.6	-7358.7<<	97.9
BARRA	158	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	158	48687.32	75.37	2323.26	255.0	18140.1>>	129.2
	158	48620.27	45.27	1226.80	-139.6	-7370.2<<	97.9
	159	48688.92	74.86	2184.26	281.3	20740.0>>	42.6
	159	48620.27	45.27	1071.04	-139.6	-6049.1<<	46.0
BARRA	159	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	159	48723.93	34.68	1937.45	109.8	20491.6>>	62.0
	159	48652.71	22.11	1137.70	-97.9	-6109.0<<	48.6
	160	48724.75	34.48	1831.54	169.0	22637.1>>	22.2
	160	48652.71	22.11	981.95	-97.9	-4890.4<<	23.4
BARRA	160	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	160	48775.09	34.48	2002.30	169.0	22598.3>>	22.2
	160	48703.04	22.11	1152.72	-97.9	-4929.2<<	23.4
	161	48776.03	34.37	1862.90	195.7	24826.9>>	-17.3
	161	48703.04	22.11	996.96	-97.9	-3693.2<<	-2.0
BARRA	161	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	161	48864.79	9.90	1610.19	47.5	24516.8>>	-4.2
	161	48794.06	4.44	1060.64	-71.1	-3809.1<<	-3.6
	162	48865.31	9.91	1503.65	107.3	26280.4>>	-15.6
	162	48794.06	4.44	904.89	-71.1	-2678.9<<	-8.8
BARRA	162	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	162	48944.20	9.91	1674.88	107.3	26203.6>>	-15.6
	162	48872.95	4.44	1076.12	-71.1	-2755.8<<	-8.8
	163	48944.80	9.94	1535.15	134.2	28051.2>>	-26.7
	163	48872.95	4.44	920.36	-71.1	-1607.9<<	-13.7

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	163	49023.24	1.52	1268.88	-29.3	27722.3>>	-18.6
	163	48957.44	-3.37	990.03	-55.3	-1735.3<<	-18.9
	164	49023.71	1.58	1131.10	2.3	29108.0>>	-20.3
	164	48957.44	-3.37	834.28	-55.3	-686.2<<	-15.1
BARRA	164	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	164	49099.02	1.58	1304.75	2.3	29023.0>>	-20.3
	164	49032.74	-3.37	1007.93	-55.3	-771.2<<	-15.1
	165	49099.84	1.69	1213.38	89.6	30485.9>>	-21.8
	165	49032.74	-3.37	852.18	-55.3	298.4<<	-11.0
BARRA	165	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	165	49170.22	1.97	896.93	-128.8	30150.9>>	-15.7
	165	49111.05	-4.75	926.04	-46.9	164.7<<	-18.0
	166	49170.93	2.09	812.64	-30.3	31152.1>>	-17.9
	166	49111.05	-4.75	770.29	-46.9	1140.2<<	-12.6
BARRA	166	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	166	49243.02	2.09	990.48	-30.3	31063.1>>	-17.9
	166	49183.15	-4.75	948.13	-46.9	1051.1<<	-12.6
	167	49243.36	2.15	882.85	30.1	32145.1>>	-20.2
	167	49183.15	-4.75	792.37	-46.9	2052.0<<	-7.0
BARRA	167	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	167	49309.11	4.01	586.65	-152.6	31806.4>>	-13.4
	167	49256.84	-3.95	870.79	-43.9	1917.0<<	-14.2
	168	49309.41	4.07	484.17	-85.7	32425.6>>	-17.9
	168	49256.84	-3.95	715.03	-43.9	2828.7<<	-9.5
BARRA	168	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	168	49377.80	4.07	664.61	-85.7	32337.5>>	-17.9
	168	49325.23	-3.95	895.47	-43.9	2740.6<<	-9.5
	169	49378.46	4.19	574.01	6.8	33046.5>>	-22.9
	169	49325.23	-3.95	739.71	-43.9	3680.9<<	-5.0

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	169	49439.55	1.23	255.63	-202.1	32706.7>>	-14.3
	169	49393.74	-4.22	813.25	-44.5	3551.1<<	-11.6
	170	49440.17	1.31	170.17	-102.4	32942.8>>	-15.8
	170	49393.74	-4.22	657.50	-44.5	4396.6<<	-6.7
BARRA	170	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	170	49502.42	1.31	340.37	-102.4	32862.6>>	-15.8
	170	49455.99	-4.22	827.69	-44.5	4316.4<<	-6.7
	171	49502.77	1.36	201.90	-70.4	33173.8>>	-17.4
	171	49455.99	-4.22	671.93	-44.5	5178.7<<	-1.8
BARRA	171	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	171	49563.80	-12.26	-72.76	-214.4	32835.2>>	-6.8
	171	49521.21	-7.79	741.43	-48.0	5056.4<<	-7.6
	172	49564.18	-12.32	-211.21	-181.6	32668.2>>	7.4
	172	49521.21	-7.79	585.67	-48.0	5819.3<<	1.4
BARRA	172	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	172	49605.31	-12.32	-39.84	-181.6	32620.3>>	7.4
	172	49562.33	-7.79	757.05	-48.0	5771.5<<	1.4
	173	49605.64	-12.38	-143.15	-114.2	32537.2>>	21.5
	173	49562.33	-7.79	601.29	-48.0	6552.6<<	10.4
BARRA	173	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	173	49527.80	-40.19	-452.94	-284.1	32346.9>>	33.0
	173	49483.11	-15.58	667.03	-53.4	6587.6<<	4.7
	174	49528.22	-40.57	-559.93	-222.9	31775.6>>	79.9
	174	49483.11	-15.58	511.27	-53.4	7265.0<<	22.5
BARRA	174	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	174	49291.70	-40.57	-394.70	-222.9	31818.6>>	79.9
	174	49246.60	-15.58	676.50	-53.4	7307.9<<	22.5
	175	49292.75	-41.45	-481.13	-121.9	31316.5>>	129.1
	175	49246.60	-15.58	520.75	-53.4	7996.4<<	40.4

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	175	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	175	49234.12	-76.87	-808.53	-317.8	31123.4>>	140.8
	175	49181.78	-25.26	582.93	-60.1	8032.8<<	34.7
	176	49235.64	-78.97	-901.16	-227.7	30126.3>>	235.4
	176	49181.78	-25.26	427.18	-60.1	8613.4<<	63.7
BARRA	176	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	176	49159.88	-78.97	-738.68	-227.7	30204.2>>	235.4
	176	49106.02	-25.26	589.65	-60.1	8691.4<<	63.7
	177	49161.58	-81.34	-825.37	-124.9	29268.4>>	336.2
	177	49106.02	-25.26	433.90	-60.1	9280.0<<	92.9
BARRA	177	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	177	49090.35	-92.41	-1155.08	-321.6	29065.5>>	355.2
	177	49034.74	-27.75	493.88	-67.5	9307.0<<	88.7
	178	49090.35	-92.41	-1310.83	-321.6	27647.4>>	461.6
	178	49034.74	-27.75	338.12	-67.5	9785.3<<	120.7
BARRA	178	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	178	49010.90	-92.41	-1152.02	-321.6	27713.4>>	461.6
	178	48955.30	-27.75	496.93	-67.5	9851.2<<	120.7
	179	49012.73	-95.00	-1245.00	-228.4	26355.4>>	585.2
	179	48955.30	-27.75	341.18	-67.5	10333.0<<	152.6
BARRA	179	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	179	48880.66	10.85	-1562.78	-398.2	26130.1>>	625.5
	179	48865.95	-0.50	397.35	-74.0	10345.1<<	154.1
	180	48880.43	12.50	-1669.40	-324.3	24268.5>>	627.5
	180	48865.95	-0.50	241.60	-74.0	10712.2<<	154.5
BARRA	180	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	180	48797.28	12.50	-1513.83	-324.3	24316.6>>	627.5
	180	48782.80	-0.50	397.17	-74.0	10760.4<<	154.5
	181	48796.75	15.29	-1607.75	-223.1	22500.8>>	618.1
	181	48782.80	-0.50	241.42	-74.0	11127.6<<	155.2

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	181	48427.13	432.11	-3507.45	-417.5	22248.1>>	678.9
	181	48639.01	102.13	-1259.27	-73.5	11120.4<<	161.2
	182	48419.61	438.37	-3641.66	-386.1	18147.1>>	178.9
	182	48634.02	102.13	-1415.02	-73.5	9581.8<<	43.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	182	48338.66	438.37	-3489.41	-386.1	18174.2>>	178.9
	182	48553.07	102.13	-1262.77	-73.5	9608.8<<	43.7
	183	48329.79	444.50	-3639.10	-289.3	14089.0>>	-340.6
	183	48546.65	102.13	-1463.44	-73.5	8040.4<<	-74.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	183	48538.45	-53.36	-2357.76	-320.8	13856.4>>	-162.4
	183	48531.26	-13.57	150.86	-55.2	8020.4<<	-38.5
	184	48541.18	-58.85	-2522.35	-219.7	11038.5>>	-108.6
	184	48531.26	-13.57	-49.80	-55.2	8078.4<<	-22.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	184	48466.20	-58.85	-2410.78	-219.7	11039.1>>	-108.6
	184	48456.28	-13.57	61.76	-55.2	8079.0<<	-22.8
	185	48466.72	-60.06	-2492.10	-163.4	8172.5>>	-40.7
	185	48455.88	-16.24	-720.41	-201.8	8001.9<<	-17.0

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	801	39705.71	-87.38	970.34	-171.3	7217.6>>	30.9
	801	39625.40	-29.98	-230.11	-191.7	7059.1<<	12.7
	802	39765.19	-100.79	1108.40	-176.9	8599.6>>	142.3
	802	39514.65	-1.31	-1252.69	-45.2	5776.3<<	14.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	802	39913.98	-100.79	1271.51	-176.9	8602.6>>	142.3
	802	39663.44	-1.31	-1089.58	-45.2	5779.2<<	14.3
	803	39903.39	-94.24	1112.16	-290.1	9993.8>>	242.5
	803	39663.44	-1.31	-1290.24	-45.2	4411.0<<	15.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	803	39784.65	427.22	2163.69	-212.2	10234.0>>	376.4
	803	39807.64	106.46	106.85	-52.5	4429.5<<	66.6
	804	39784.47	423.21	2018.53	-328.0	12641.8>>	-128.3
	804	39814.06	106.46	-93.82	-52.5	4436.9<<	-56.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	804	39941.24	423.21	2242.91	-328.0	12602.4>>	-128.3
	804	39970.84	106.46	130.56	-52.5	4397.5<<	-56.0
	805	39943.69	417.51	2115.79	-376.5	15107.8>>	-614.8
	805	39975.82	106.46	-25.20	-52.5	4458.3<<	-178.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	805	40324.17	3.03	586.25	-206.2	15347.7>>	-599.2
	805	40168.50	5.04	-1180.84	-44.4	4455.6<<	-153.3
	806	40321.88	2.29	444.89	-242.2	15947.3>>	-601.3
	806	40168.50	5.04	-1336.59	-44.4	3008.2<<	-159.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	806	40479.07	2.29	673.02	-242.2	15879.8>>	-601.3
	806	40325.69	5.04	-1108.47	-44.4	2940.7<<	-159.2
	807	40473.18	0.72	570.01	-330.2	16613.7>>	-591.9
	807	40325.69	5.04	-1264.22	-44.4	1576.5<<	-164.8

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	807	40654.84	-110.44	314.93	-126.7	16823.5>>	-600.7
	807	40497.67	-20.63	-1134.63	-30.5	1546.6<<	-143.7
	808	40648.23	-107.15	222.23	-226.4	17127.0>>	-459.6
	808	40497.67	-20.63	-1290.39	-30.5	152.0<<	-119.8
BARRA	808	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	808	40797.52	-107.15	456.71	-226.4	17038.4>>	-459.6
	808	40646.96	-20.63	-1055.91	-30.5	63.4<<	-119.8
	809	40794.25	-104.87	343.28	-283.5	17482.6>>	-330.3
	809	40646.96	-20.63	-1211.67	-30.5	-1240.4<<	-96.2
BARRA	809	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	809	40911.76	-98.82	92.44	-78.0	17669.5>>	-356.5
	809	40796.45	-17.86	-1076.24	-19.1	-1286.4<<	-81.1
	810	40909.68	-97.39	-46.79	-112.6	17704.6>>	-239.5
	810	40796.45	-17.86	-1231.99	-19.1	-2613.6<<	-60.5
BARRA	810	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	810	41051.40	-97.39	195.99	-112.6	17605.5>>	-239.5
	810	40938.17	-17.86	-989.21	-19.1	-2712.6<<	-60.5
	811	41047.28	-94.27	103.86	-208.8	17802.1>>	-124.1
	811	40938.17	-17.86	-1144.96	-19.1	-3939.6<<	-39.9
BARRA	811	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	811	41149.54	-62.02	-144.95	4.7	17974.6>>	-153.0
	811	41077.37	-8.86	-1002.62	-12.3	-3991.3<<	-26.9
	812	41147.37	-60.28	-236.28	-94.1	17765.0>>	-79.8
	812	41077.37	-8.86	-1158.38	-12.3	-5234.0<<	-16.8
BARRA	812	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	812	41236.77	-60.28	12.48	-94.1	17716.1>>	-79.8
	812	41166.76	-8.86	-909.62	-12.3	-5282.9<<	-16.8
	813	41235.69	-59.49	-94.25	-158.5	17664.8>>	-10.5
	813	41166.76	-8.86	-1065.38	-12.3	-6418.4<<	-6.7

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	813	41173.97	-33.09	-322.03	26.8	18046.1>>	-36.0
	813	41135.79	-1.51	-916.71	-11.4	-6256.7<<	6.6
	814	41173.51	-32.71	-429.45	-38.1	17600.5>>	2.1
	814	41135.79	-1.51	-1072.47	-11.4	-7400.5<<	8.3
BARRA	814	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	814	41140.09	-32.71	-187.76	-38.1	17713.7>>	2.1
	814	41102.37	-1.51	-830.77	-11.4	-7287.3<<	8.3
	815	41139.92	-32.38	-326.77	-71.0	17419.9>>	39.5
	815	41102.37	-1.51	-986.53	-11.4	-8332.4<<	10.1
BARRA	815	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	815	41084.63	-16.27	-539.42	84.0	17794.5>>	15.4
	815	41071.44	4.56	-856.51	-19.9	-8172.2<<	23.5
	816	41084.80	-16.09	-679.45	53.6	17094.2>>	34.1
	816	41071.44	4.56	-1012.27	-19.9	-9246.7<<	18.2
BARRA	816	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	816	43021.08	-16.09	-451.19	53.6	20387.1>>	34.1
	816	43007.72	4.56	-784.00	-19.9	-5953.9<<	18.2
	817	43021.30	-15.74	-541.04	-43.5	19826.2>>	52.3
	817	43007.72	4.56	-939.76	-19.9	-6945.0<<	13.1
BARRA	817	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	817	42966.15	-1.15	-800.23	173.9	20190.0>>	30.6
	817	42974.02	14.01	-814.00	-40.2	-6779.1<<	27.8
	818	42966.42	-0.94	-913.02	118.1	19225.2>>	32.1
	818	42974.02	14.01	-969.75	-40.2	-7804.7<<	11.8
BARRA	818	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	818	42926.90	-0.94	-688.08	118.1	19345.9>>	32.1
	818	42934.50	14.01	-744.81	-40.2	-7684.0<<	11.8
	819	42927.66	-0.59	-778.24	24.0	18511.5>>	32.8
	819	42934.50	14.01	-900.57	-40.2	-8630.1<<	-4.3

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	819	42863.45	24.86	-1027.24	224.3	18861.9>>	16.8
	819	42892.04	31.65	-782.60	-70.9	-8469.3<<	13.7
	820	42864.01	25.27	-1139.32	169.1	17620.2>>	-12.0
	820	42892.04	31.65	-938.36	-70.9	-9458.8<<	-22.7
BARRA	820	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	820	42847.92	25.27	-916.81	169.1	17686.8>>	-12.0
	820	42875.96	31.65	-715.85	-70.9	-9392.2<<	-22.7
	821	42849.17	26.04	-1005.85	76.2	16568.3>>	-42.1
	821	42875.96	31.65	-871.61	-70.9	-10305.1<<	-59.0
BARRA	821	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	821	42802.69	64.55	-1266.61	321.2	16828.9>>	-49.8
	821	42854.38	54.36	-753.59	-116.4	-10232.1<<	-36.9
	822	42804.17	66.23	-1363.75	244.2	15313.3>>	-126.3
	822	42854.38	54.36	-909.35	-116.4	-11188.1<<	-99.5
BARRA	822	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	822	42780.74	66.23	-1140.55	244.2	15339.6>>	-126.3
	822	42830.95	54.36	-686.15	-116.4	-11161.8<<	-99.5
	823	42782.40	68.14	-1228.27	153.1	13951.4>>	-207.1
	823	42830.95	54.36	-841.91	-116.4	-12040.5<<	-161.9
BARRA	823	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	823	42742.42	89.47	-1490.28	427.4	14208.7>>	-211.5
	823	42815.03	56.25	-728.62	-183.9	-11971.8<<	-142.0
	824	42744.59	92.30	-1585.90	352.8	12427.5>>	-321.5
	824	42815.03	56.25	-884.38	-183.9	-12899.3<<	-206.7
BARRA	824	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	824	42717.85	92.30	-1365.85	352.8	12444.9>>	-321.5
	824	42788.28	56.25	-664.32	-183.9	-12881.9<<	-206.7
	825	42720.44	95.16	-1452.01	263.5	10794.1>>	-438.3
	825	42788.28	56.25	-820.08	-183.9	-13735.4<<	-271.4

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	825	42682.61	-6.15	-1724.81	586.5	11067.2>>	-473.5
	825	42755.52	-29.69	-718.50	-285.9	-13660.5<<	-280.1
	826	42687.82	-5.80	-1818.80	512.3	9016.1>>	-474.9
	826	42755.52	-29.69	-874.25	-285.9	-14576.7<<	-245.9
BARRA	826	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	826	42581.74	-5.80	-1615.24	512.3	9030.6>>	-474.9
	826	42649.44	-29.69	-670.69	-285.9	-14562.2<<	-245.9
	827	42587.88	-5.95	-1699.76	419.5	7095.8>>	-473.4
	827	42649.44	-29.69	-826.45	-285.9	-15422.8<<	-211.8
BARRA	827	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	827	42559.42	-426.98	-3364.06	822.0	7360.6>>	-642.0
	827	42607.29	-308.46	-2093.14	-463.2	-15403.9<<	-290.1
	828	42510.88	-208.92	-1761.02	114.0	4320.2>>	-31.9
	828	42627.81	-508.80	-3820.89	68.6	-18775.5<<	-30.3
BARRA	828	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	828	51812.59	-208.92	-1311.60	114.0	9340.8>>	-31.9
	828	51929.52	-508.80	-3371.47	68.6	-13754.8<<	-30.3
	829	51767.88	-159.85	-1255.22	-12.5	7930.6>>	183.5
	829	51923.10	-508.80	-3572.13	68.6	-17749.4<<	555.1
BARRA	829	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	829	51705.45	-65.40	-673.63	-19.0	7967.5>>	160.9
	829	51814.43	-163.28	-3217.21	73.1	-17599.3<<	509.0
	830	51705.45	-65.40	-874.30	-19.0	7077.6>>	236.1
	830	51814.43	-163.28	-3417.88	73.1	-21414.5<<	696.8
BARRA	830	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	830	51633.30	-65.40	-2677.50	-19.0	7044.2>>	236.1
	830	51742.28	-163.28	-5221.08	73.1	-21447.8<<	696.8
	831	51633.30	-65.40	-2878.16	-19.0	3849.5>>	311.3
	831	51742.28	-163.28	-5421.75	73.1	-27567.7<<	884.5

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	831	51519.78	31.45	3184.60	-12.7	3833.4>>	305.0
	831	51549.09	51.75	6292.51	67.7	-27481.7<<	880.3
	832	51519.78	31.45	2983.93	-12.7	7380.2>>	268.9
	832	51548.43	51.34	6074.69	80.4	-20370.4<<	818.7
BARRA	832	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	832	51507.32	31.45	2060.41	-12.7	7372.9>>	268.9
	832	51535.98	51.34	5151.16	80.4	-20377.8<<	818.7
	833	51507.32	31.45	1859.74	-12.7	9626.9>>	232.6
	833	51536.86	47.05	4637.50	218.7	-14634.4<<	776.2
BARRA	833	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	833	51508.84	154.74	2467.71	-21.1	9740.8>>	276.5
	833	51329.97	507.58	5026.52	143.5	-14440.4<<	939.2
	834	51509.37	210.67	2476.29	-61.1	12508.7>>	127.1
	834	51335.89	506.49	4825.68	139.1	-8772.7<<	353.7
BARRA	834	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	834	42014.97	210.67	1734.79	-61.1	7380.9>>	127.1
	834	41841.49	506.49	4084.18	139.1	-13900.5<<	353.7
	835	42007.09	240.14	1744.22	-179.9	9378.5>>	-152.3
	835	41846.47	506.49	3928.42	139.1	-9290.5<<	-229.1
BARRA	835	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	835	42222.70	48.45	292.73	9.4	9588.9>>	-122.3
	835	42217.92	96.49	2425.36	88.1	-9132.2<<	-222.5
	836	42220.01	44.73	210.81	-89.9	9863.8>>	-187.4
	836	42217.92	96.49	2269.60	88.1	-6432.6<<	-333.5
BARRA	836	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	836	39831.62	44.73	364.39	-89.9	6472.8>>	-187.4
	836	39829.53	96.49	2423.19	88.1	-9823.6<<	-333.5
	837	39873.74	69.35	1905.07	-544.8	8119.8>>	-458.7
	837	39783.79	67.91	644.04	448.7	-8415.9<<	-222.4

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	837	39955.37	-54.38	1584.01	-241.6	8433.1>>	-436.9
	837	39847.88	-21.18	707.64	323.4	-8435.6<<	-218.7
	838	39951.09	-54.20	1501.72	-335.2	10207.0>>	-368.0
	838	39847.88	-21.18	551.88	323.4	-7711.2<<	-194.3
BARRA	838	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	838	39974.38	-54.20	1668.87	-335.2	10202.2>>	-368.0
	838	39871.18	-21.18	719.03	323.4	-7716.0<<	-194.3
	839	39970.09	-52.70	1585.67	-424.3	12071.7>>	-297.7
	839	39870.22	-21.11	563.17	321.3	-6978.7<<	-169.4
BARRA	839	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	839	39990.63	-64.26	1265.64	-165.2	12362.7>>	-290.8
	839	39891.96	-39.05	627.88	234.0	-6986.5<<	-176.4
	840	39987.19	-62.05	1182.35	-259.3	13778.2>>	-210.9
	840	39891.96	-39.05	472.12	234.0	-6354.0<<	-131.7
BARRA	840	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	840	40007.38	-62.05	1351.53	-259.3	13767.6>>	-210.9
	840	39912.16	-39.05	641.30	234.0	-6364.6<<	-131.7
	841	40006.86	-64.83	1658.47	-348.9	15672.0>>	-130.4
	841	39909.68	-34.20	94.24	233.1	-6113.3<<	-92.5
BARRA	841	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	841	40007.12	-42.99	1338.36	-116.4	15947.1>>	-135.9
	841	39921.82	-25.22	161.32	171.7	-6112.3<<	-89.9
	842	40005.24	-41.88	1254.00	-212.0	17445.7>>	-84.9
	842	39921.82	-25.22	5.56	171.7	-6016.6<<	-61.0
BARRA	842	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	842	40022.11	-41.88	1423.75	-212.0	17432.4>>	-84.9
	842	39938.69	-25.22	175.31	171.7	-6029.9<<	-61.0
	843	40020.54	-40.95	1338.37	-304.0	19020.0>>	-36.5
	843	39938.69	-25.22	19.55	171.7	-5917.6<<	-32.1

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	843	40022.38	-18.56	1016.50	-84.9	19286.2>>	-38.8
	843	39948.36	-11.42	88.07	126.9	-5909.7<<	-27.7
	844	40021.47	-18.19	931.33	-181.5	20408.1>>	-17.5
	844	39948.36	-11.42	-67.69	126.9	-5898.2<<	-14.8
BARRA	844	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	844	40035.02	-18.19	1102.06	-181.5	20394.5>>	-17.5
	844	39961.90	-11.42	103.04	126.9	-5911.8<<	-14.8
	845	40034.27	-17.88	1015.96	-274.5	21602.7>>	3.4
	845	39961.90	-11.42	-52.71	126.9	-5882.8<<	-1.5
BARRA	845	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	845	40039.54	-4.49	695.01	-63.5	21864.6>>	2.4
	845	39972.23	-1.69	18.18	94.3	-5868.0<<	4.1
	846	40039.12	-4.37	609.24	-160.6	22606.0>>	7.3
	846	39972.23	-1.69	-137.58	94.3	-5936.5<<	5.9
BARRA	846	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	846	40049.19	-4.37	779.42	-160.6	22594.3>>	7.3
	846	39982.30	-1.69	32.61	94.3	-5948.1<<	5.9
	847	40048.94	-4.31	676.14	-224.2	23422.4>>	12.2
	847	39982.30	-1.69	-123.15	94.3	-6000.5<<	7.8
BARRA	847	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	847	40054.92	0.62	371.55	-47.1	23679.7>>	10.8
	847	39992.16	2.51	-51.80	69.9	-5978.4<<	13.3
	848	40054.78	0.65	267.17	-111.6	24037.9>>	10.2
	848	39992.16	2.51	-207.56	69.9	-6127.7<<	10.6
BARRA	848	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	848	40061.47	0.65	438.52	-111.6	24029.5>>	10.2
	848	39998.85	2.51	-36.21	69.9	-6136.1<<	10.6
	849	40061.37	0.71	353.18	-208.1	24472.8>>	9.2
	849	39998.85	2.51	-191.96	69.9	-6267.2<<	7.6

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	849	40065.80	0.39	31.74	-1.4	24728.0>>	7.0
	849	40006.68	2.79	-119.81	50.5	-6238.5<<	12.3
	850	40065.84	0.44	-55.82	-96.4	24702.6>>	6.5
	850	40006.68	2.79	-275.56	50.5	-6465.7<<	9.0
BARRA	850	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	850	40069.09	0.44	115.15	-96.4	24698.3>>	6.5
	850	40009.93	2.79	-104.59	50.5	-6470.1<<	9.0
	851	40069.14	0.47	-22.51	-129.2	24752.4>>	5.8
	851	40012.43	3.46	-376.41	46.0	-6795.4<<	4.6
BARRA	851	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	851	40069.87	-2.14	-297.55	15.9	25012.7>>	2.8
	851	40017.24	1.87	-309.82	30.6	-6757.7<<	10.3
	852	40069.96	-2.12	-436.37	-14.6	24592.9>>	5.5
	852	40017.24	1.87	-465.57	30.6	-7203.5<<	8.4
BARRA	852	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	852	40068.14	-2.12	-274.00	-14.6	24595.0>>	5.5
	852	40015.41	1.87	-303.20	30.6	-7201.4<<	8.4
	853	40068.35	-2.07	-360.53	-111.8	24252.2>>	7.8
	853	40015.41	1.87	-458.96	30.6	-7639.7<<	6.2
BARRA	853	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	853	40064.91	-4.68	-640.12	37.8	24506.0>>	4.5
	853	40015.81	0.43	-396.52	14.3	-7595.5<<	11.4
	854	40065.06	-4.66	-778.93	7.4	23686.1>>	10.1
	854	40015.81	0.43	-552.28	14.3	-8140.9<<	11.0
BARRA	854	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	854	40060.07	-4.66	-616.62	7.4	23691.9>>	10.1
	854	40010.82	0.43	-389.97	14.3	-8135.2<<	11.0
	855	40060.32	-4.64	-721.17	-56.9	22938.5>>	15.3
	855	40010.82	0.43	-545.72	14.3	-8673.1<<	10.4

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	855	40040.01	-3.98	-1028.78	120.5	23182.9>>	12.8
	855	39994.51	1.82	-484.29	-8.1	-8630.0<<	16.3
	856	40040.57	-3.94	-1122.50	34.3	21957.9>>	17.3
	856	39994.51	1.82	-640.05	-8.1	-9276.3<<	14.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	856	44611.71	-3.94	-960.41	34.3	28512.0>>	17.3
	856	44565.65	1.82	-477.96	-8.1	-2722.2<<	14.0
	857	44612.13	-3.91	-1064.79	-29.8	27352.7>>	21.8
	857	44565.65	1.82	-633.72	-8.1	-3361.5<<	11.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	857	44605.63	5.59	-1370.90	154.3	27609.6>>	21.8
	857	44563.93	9.84	-570.95	-41.0	-3300.5<<	19.5
	858	44606.16	5.67	-1481.40	98.8	25981.4>>	15.4
	858	44563.93	9.84	-726.71	-41.0	-4046.5<<	8.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	858	44603.57	5.67	-1319.50	98.8	26005.7>>	15.4
	858	44561.34	9.84	-564.80	-41.0	-4022.2<<	8.1
	859	44604.51	5.81	-1406.42	4.9	24439.8>>	8.7
	859	44561.34	9.84	-720.55	-41.0	-4761.2<<	-3.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	859	44589.40	30.82	-1715.37	208.8	24696.1>>	14.4
	859	44553.10	27.65	-661.45	-79.5	-4696.7<<	8.0
	860	44590.15	31.11	-1825.51	153.8	22664.5>>	-21.3
	860	44553.10	27.65	-817.21	-79.5	-5546.9<<	-23.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	860	44584.58	31.11	-1664.58	153.8	22687.9>>	-21.3
	860	44547.52	27.65	-656.28	-79.5	-5523.5<<	-23.9
	861	44585.88	31.71	-1750.86	60.9	20715.7>>	-58.0
	861	44547.52	27.65	-812.03	-79.5	-6367.7<<	-55.7

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	861	44563.43	71.18	-2076.44	313.3	20972.8>>	-44.4
	861	44535.41	51.09	-756.63	-129.0	-6302.4<<	-40.1
	862	44564.82	72.71	-2171.02	236.3	18536.5>>	-128.6
	862	44535.41	51.09	-912.39	-129.0	-7262.0<<	-99.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	862	44556.29	72.71	-2010.28	236.3	18556.9>>	-128.6
	862	44526.88	51.09	-751.65	-129.0	-7241.6<<	-99.0
	863	44511.40	73.20	-1900.79	150.4	16286.5>>	-213.3
	863	44573.43	52.34	-1102.27	-134.4	-8298.8<<	-161.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	863	44496.52	95.68	-2226.93	431.7	16539.6>>	-200.8
	863	44572.28	54.58	-1051.88	-200.0	-8235.1<<	-144.3
	864	44498.54	98.34	-2320.41	356.9	13928.9>>	-318.1
	864	44572.28	54.58	-1207.64	-200.0	-9534.7<<	-207.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	864	44445.28	98.34	-2167.40	356.9	13958.7>>	-318.1
	864	44519.02	54.58	-1054.64	-200.0	-9504.9<<	-207.1
	865	44447.81	101.02	-2251.61	267.4	11406.5>>	-441.6
	865	44519.02	54.58	-1210.39	-200.0	-10807.0<<	-269.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	865	44423.23	1.70	-2589.32	599.9	11668.9>>	-460.5
	865	44490.28	-31.27	-1172.32	-298.8	-10744.6<<	-281.5
	866	44428.23	1.81	-2681.51	525.5	8646.2>>	-470.8
	866	44490.28	-31.27	-1328.08	-298.8	-12182.5<<	-245.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	866	44352.95	1.81	-2535.51	525.5	8649.1>>	-470.8
	866	44415.00	-31.27	-1182.08	-298.8	-12179.6<<	-245.3
	867	44302.77	-5.17	-938.33	72.7	7245.7>>	-234.9
	867	44471.18	-24.71	-3017.90	60.8	-15194.5<<	-452.5

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	867	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	867	44261.00	-228.48	-2485.10	294.5	7381.4>>	-313.4
	867	44459.40	-494.58	-4634.51	83.2	-15048.4<<	-605.7
	868	44237.06	-210.36	-2451.37	116.8	4513.0>>	-27.1
	868	44454.42	-494.58	-4790.27	83.2	-20470.5<<	-36.7

BARRA	868	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	868	54897.96	-210.36	-2616.98	116.8	9597.2>>	-27.1
	868	55115.32	-494.58	-4955.87	83.2	-15386.3<<	-36.7
	869	54853.17	-159.84	-2559.43	-9.2	6698.8>>	187.8
	869	55108.89	-494.58	-5156.54	83.2	-21204.1<<	532.2

BARRA	869	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	869	54790.35	-68.84	-1815.90	-7.5	6708.9>>	164.7
	869	55009.15	-140.33	-4637.77	102.8	-21077.9<<	500.8
	870	54790.35	-68.84	-2016.56	-7.5	4505.3>>	244.0
	870	55009.15	-140.33	-4838.44	102.8	-26526.7<<	662.4

BARRA	870	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	870	54824.18	-68.84	-3231.37	-7.5	4550.7>>	244.0
	870	55042.99	-140.33	-6053.25	102.8	-26481.3<<	662.4
	871	54824.18	-68.84	-3432.04	-7.5	719.2>>	323.0
	871	55042.99	-140.33	-6253.92	102.8	-33557.9<<	823.6

BARRA	871	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	871	54978.44	35.63	3511.01	5.0	933.9>>	318.0
	871	55113.17	35.51	6665.24	100.8	-33239.2<<	830.1
	872	54978.44	35.63	3310.34	5.0	4856.1>>	277.1
	872	55116.45	30.08	6152.49	232.1	-26006.4<<	788.9

BARRA	872	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	872	55146.88	35.63	2381.22	5.0	5000.3>>	277.1
	872	55284.89	30.08	5223.36	232.1	-25862.2<<	788.9
	873	55143.66	35.79	2224.33	5.5	7656.0>>	237.0
	873	55284.89	30.08	5022.69	232.1	-19970.8<<	754.4

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	873	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	873	55141.08	158.12	2949.23	-5.6	7774.4>>	285.3
	873	55068.50	496.15	5531.11	158.9	-19768.9<<	917.5
	874	55143.80	213.91	2924.45	-52.2	11122.4>>	132.2
	874	55074.93	496.15	5330.44	158.9	-13520.5<<	346.6

BARRA	874	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	874	44223.51	213.91	2137.34	-52.2	5886.7>>	132.2
	874	44154.63	496.15	4543.32	158.9	-18756.2<<	346.6
	875	44217.16	244.16	2129.20	-164.7	8342.9>>	-151.4
	875	44159.62	496.15	4387.56	158.9	-13618.1<<	-224.2

BARRA	875	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	875	44448.50	50.52	607.16	22.2	8560.0>>	-118.9
	875	44540.01	92.58	2810.86	105.9	-13455.8<<	-223.7
	876	44457.99	59.22	1606.37	-230.6	9268.0>>	-316.9
	876	44528.02	80.15	1573.54	259.2	-10372.5<<	-199.3

BARRA	876	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	876	39808.88	59.22	1759.96	-230.6	2520.7>>	-316.9
	876	39878.90	80.15	1727.13	259.2	-17119.8<<	-199.3
	877	39837.89	71.52	2193.46	-537.2	5069.4>>	-461.0
	877	39847.33	64.13	1054.94	474.2	-15798.0<<	-213.9

BARRA	877	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	877	39922.06	-52.83	1871.35	-232.2	5383.7>>	-434.7
	877	39906.11	-22.73	1118.19	348.3	-15816.1<<	-216.1
	878	39917.96	-52.62	1788.70	-325.9	7496.6>>	-367.8
	878	39906.11	-22.73	962.44	348.3	-14619.7<<	-190.2

BARRA	878	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	878	39941.25	-52.62	1955.84	-325.9	7491.6>>	-367.8
	878	39929.40	-22.73	1129.58	348.3	-14624.7<<	-190.2
	879	39937.12	-51.11	1872.32	-415.1	9698.4>>	-299.2
	879	39929.40	-22.73	973.82	348.3	-13415.2<<	-164.1

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	879	39960.11	-62.52	1551.97	-156.4	9989.5>>	-287.6
	879	39946.54	-40.65	1038.88	258.4	-13422.5<<	-177.6
	880	39955.91	-65.61	1808.44	-250.6	11849.3>>	-208.9
	880	39947.43	-35.35	543.08	258.4	-12426.8<<	-131.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	880	39976.12	-65.61	1977.62	-250.6	11838.8>>	-208.9
	880	39967.64	-35.35	712.26	258.4	-12437.3<<	-131.4
	881	39973.23	-63.53	1892.99	-341.2	14071.5>>	-130.2
	881	39967.64	-35.35	556.50	258.4	-11707.8<<	-90.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	881	39975.37	-41.53	1573.02	-110.0	14345.8>>	-132.4
	881	39976.86	-27.00	624.62	193.9	-11707.8<<	-94.3
	882	39973.58	-40.42	1488.44	-205.6	16118.2>>	-82.8
	882	39976.86	-27.00	468.86	193.9	-11078.7<<	-63.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	882	39990.46	-40.42	1658.20	-205.6	16105.0>>	-82.8
	882	39993.74	-27.00	638.62	193.9	-11092.0<<	-63.1
	883	39988.97	-39.49	1572.63	-297.7	17964.2>>	-36.2
	883	39993.74	-27.00	482.86	193.9	-10447.2<<	-32.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	883	39992.78	-16.97	1251.22	-81.0	18229.6>>	-34.9
	883	40000.45	-13.71	552.56	144.8	-10440.6<<	-33.8
	884	39991.93	-16.60	1165.90	-177.6	19622.9>>	-15.3
	884	40000.45	-13.71	396.81	144.8	-9894.8<<	-18.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	884	40005.47	-16.60	1336.63	-177.6	19609.4>>	-15.3
	884	40013.99	-13.71	567.54	144.8	-9908.3<<	-18.1
	885	40004.78	-16.29	1250.41	-270.5	21087.9>>	3.5
	885	40013.99	-13.71	411.79	144.8	-9345.1<<	-2.4

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	885	40012.02	-2.82	929.99	-61.9	21349.1>>	6.1
	885	40021.22	-4.23	483.86	107.9	-9331.7<<	-2.6
	886	40011.64	-2.70	844.13	-159.1	22360.0>>	9.5
	886	40021.22	-4.23	328.10	107.9	-8865.1<<	2.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	886	40021.72	-2.70	1014.33	-159.1	22348.2>>	9.5
	886	40031.30	-4.23	498.30	107.9	-8876.9<<	2.5
	887	40021.48	-2.64	911.01	-222.6	23446.6>>	12.5
	887	40031.30	-4.23	342.54	107.9	-8393.1<<	7.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	887	40029.45	2.31	607.01	-48.0	23702.4>>	14.5
	887	40037.96	-0.12	415.13	78.9	-8372.9<<	6.8
	888	40029.32	2.34	502.63	-112.5	24331.1>>	11.9
	888	40037.96	-0.12	259.37	78.9	-7984.8<<	7.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	888	40036.01	2.34	673.97	-112.5	24322.5>>	11.9
	888	40044.65	-0.12	430.71	78.9	-7993.4<<	7.0
	889	40035.93	2.40	588.62	-209.0	25035.3>>	9.3
	889	40044.65	-0.12	274.95	78.9	-7587.5<<	7.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	889	40042.39	2.09	267.76	-4.5	25289.6>>	10.6
	889	40049.33	0.16	348.30	55.0	-7560.4<<	6.2
	890	40042.45	2.14	180.22	-99.5	25533.9>>	8.1
	890	40049.33	0.16	192.54	55.0	-7249.4<<	5.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	890	40045.68	2.14	351.20	-99.5	25529.6>>	8.1
	890	40052.56	0.16	363.52	55.0	-7253.8<<	5.9
	891	40045.75	2.16	213.55	-132.3	25854.8>>	5.5
	891	40052.56	0.16	207.76	55.0	-6925.1<<	5.7

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	891	40048.45	-0.44	-60.76	10.9	26112.8>>	6.2
	891	40053.26	-1.40	275.97	33.6	-6890.2<<	3.9
	892	40048.56	-0.41	-199.56	-19.6	25964.7>>	6.7
	892	40055.41	-0.68	-4.01	30.3	-6721.1<<	5.5
BARRA	892	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	892	40046.73	-0.41	-37.18	-19.6	25966.8>>	6.7
	892	40053.58	-0.68	158.37	30.3	-6719.0<<	5.5
	893	40046.96	-0.37	-123.63	-116.8	25894.6>>	7.2
	893	40053.58	-0.68	2.61	30.3	-6626.4<<	6.3
BARRA	893	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	893	40045.54	-2.97	-402.33	31.3	26146.0>>	7.8
	893	40050.90	-2.11	66.43	9.6	-6584.2<<	6.1
	894	40045.70	-2.95	-541.10	0.9	25598.8>>	11.2
	894	40050.90	-2.11	-89.33	9.6	-6597.5<<	8.5
BARRA	894	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	894	40040.73	-2.95	-378.79	0.9	25604.5>>	11.2
	894	40045.92	-2.11	72.98	9.6	-6591.8<<	8.5
	895	40040.97	-2.93	-483.25	-63.4	25123.7>>	14.6
	895	40045.92	-2.11	-82.77	9.6	-6597.2<<	11.0
BARRA	895	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	895	40022.71	-2.28	-790.61	113.8	25367.9>>	15.6
	895	40026.53	-0.71	-20.57	-15.9	-6554.6<<	11.0
	896	40023.06	-2.25	-901.25	58.0	24415.6>>	18.4
	896	40026.53	-0.71	-176.32	-15.9	-6667.9<<	11.9
BARRA	896	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	896	42303.15	-2.25	-739.16	58.0	27697.7>>	18.4
	896	42306.62	-0.71	-14.24	-15.9	-3385.8<<	11.9
	897	42303.80	-2.21	-826.35	-36.4	26811.2>>	21.0
	897	42306.62	-0.71	-170.00	-15.9	-3491.9<<	12.7

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	897	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	897	42295.13	7.21	-1133.50	150.1	27063.5>>	24.5
	897	42297.55	7.37	-107.75	-49.3	-3436.1<<	14.5
	898	42295.67	7.29	-1243.87	94.6	25707.5>>	16.3
	898	42297.55	7.37	-263.51	-49.3	-3649.7<<	6.0
BARRA	898	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	898	42288.88	7.29	-1081.96	94.6	25725.8>>	16.3
	898	42290.76	7.37	-101.60	-49.3	-3631.5<<	6.0
	899	42289.85	7.44	-1168.67	0.7	24432.4>>	7.9
	899	42290.76	7.37	-257.36	-49.3	-3837.9<<	-2.4
BARRA	899	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	899	42272.63	32.32	-1478.00	205.0	24683.2>>	17.2
	899	42275.16	25.36	-198.12	-90.5	-3780.0<<	3.3
	900	42273.40	32.62	-1587.98	150.1	22924.4>>	-20.2
	900	42275.16	25.36	-353.88	-90.5	-4097.5<<	-26.0
BARRA	900	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	900	42263.64	32.62	-1427.05	150.1	22941.9>>	-20.2
	900	42265.40	25.36	-192.95	-90.5	-4080.0<<	-26.0
	901	42264.98	33.22	-1513.08	57.2	21243.2>>	-58.4
	901	42265.40	25.36	-348.71	-90.5	-4391.5<<	-54.9
BARRA	901	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	901	42240.43	72.42	-1838.51	308.4	21494.0>>	-41.2
	901	42245.96	48.95	-292.56	-144.9	-4333.8<<	-45.0
	902	42241.87	73.94	-1932.83	231.3	19331.8>>	-127.1
	902	42245.96	48.95	-448.31	-144.9	-4760.2<<	-101.6
BARRA	902	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	902	42229.17	73.94	-1772.08	231.3	19346.3>>	-127.1
	902	42233.26	48.95	-287.57	-144.9	-4745.7<<	-101.6
	903	42207.93	70.09	-1495.64	146.4	17502.7>>	-210.6
	903	42256.21	54.55	-804.86	-151.2	-5420.3<<	-163.2

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	903	42185.22	92.53	-1820.84	422.8	17747.9>>	-205.3
	903	42253.61	56.73	-753.85	-221.0	-5364.0<<	-141.7
	904	42187.32	95.20	-1914.02	348.1	15606.6>>	-318.9
	904	42253.61	56.73	-909.60	-221.0	-6320.8<<	-206.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	904	42129.89	95.20	-1761.01	348.1	15630.4>>	-318.9
	904	42196.19	56.73	-756.59	-221.0	-6296.9<<	-206.9
	905	42132.51	97.88	-1844.91	258.6	13548.4>>	-438.7
	905	42196.68	56.88	-912.47	-222.5	-7256.7<<	-272.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	905	42100.20	-1.50	-2181.48	585.7	13802.5>>	-464.3
	905	42166.84	-29.45	-873.62	-327.2	-7202.1<<	-279.2
	906	42105.31	-1.38	-2273.35	511.3	11252.8>>	-471.3
	906	42166.84	-29.45	-1029.37	-327.2	-8296.4<<	-245.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	906	42025.88	-1.38	-2127.35	511.3	11249.6>>	-471.3
	906	42087.41	-29.45	-883.37	-327.2	-8299.5<<	-245.4
	907	41974.35	-8.58	-503.15	56.4	10628.0>>	-231.2
	907	42145.06	-22.67	-2745.87	34.6	-11277.8<<	-454.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	907	41940.50	-232.95	-1973.36	270.2	10754.1>>	-316.5
	907	42142.90	-493.83	-4286.41	48.6	-11140.9<<	-601.4
	908	41916.17	-214.88	-1938.23	92.6	8509.7>>	-24.6
	908	42137.92	-493.83	-4442.17	48.6	-16162.6<<	-32.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	908	51234.39	-214.88	-2062.50	92.6	13529.9>>	-24.6
	908	51456.14	-493.83	-4566.45	48.6	-11142.4<<	-32.9
	909	51189.43	-164.39	-2002.81	-34.2	11329.1>>	195.9
	909	51449.72	-493.83	-4767.12	48.6	-16511.9<<	535.4

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	909	51099.89	-72.81	-1374.18	-40.4	11329.4>>	164.0
	909	51333.37	-135.46	-4363.25	59.4	-16395.5<<	507.4
	910	51099.89	-72.81	-1574.85	-40.4	9633.6>>	247.6
	910	51333.37	-135.46	-4563.92	59.4	-21528.7<<	663.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	910	51127.17	-72.81	-2788.70	-40.4	9673.3>>	247.6
	910	51360.65	-135.46	-5777.77	59.4	-21489.0<<	663.0
	911	51126.33	-73.31	-2971.33	-49.3	6359.4>>	332.6
	911	51362.28	-138.58	-6303.53	201.3	-28439.4<<	809.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	911	51285.95	34.85	2871.78	-38.2	6581.0>>	318.5
	911	51443.18	30.56	5625.84	203.1	-28114.2<<	818.7
	912	51285.18	35.06	2704.22	-29.1	9804.3>>	279.3
	912	51443.18	30.56	5425.17	203.1	-21759.8<<	783.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	912	51459.34	35.06	1593.75	-29.1	9951.9>>	279.3
	912	51617.34	30.56	4314.70	203.1	-21612.2<<	783.5
	913	51459.34	35.06	1393.08	-29.1	11669.4>>	239.0
	913	51617.34	30.56	4114.03	203.1	-16765.6<<	748.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	913	51463.07	154.31	1913.23	-32.2	11771.4>>	276.8
	913	51414.47	495.10	4418.07	139.4	-16579.6<<	911.2
	914	51465.26	209.90	1889.94	-79.2	13864.5>>	127.8
	914	51420.89	495.10	4217.41	139.4	-11611.8<<	341.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	914	41856.68	209.90	1419.53	-79.2	8662.1>>	127.8
	914	41812.32	495.10	3746.99	139.4	-16814.2<<	341.4
	915	41849.07	239.90	1429.66	-226.0	10260.3>>	-157.1
	915	41817.30	495.10	3591.24	139.4	-12592.3<<	-228.3

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	915	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	915	42061.65	47.68	-22.33	4.1	10476.3>>	-121.9
	915	42180.26	93.88	2101.84	95.7	-12432.9<<	-221.8
	916	42106.02	72.71	1393.61	-467.6	11066.2>>	-375.7
	916	42133.38	65.15	447.03	467.9	-10764.8<<	-139.9

BARRA	916	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	916	39816.06	72.71	1564.39	-467.6	7690.7>>	-375.7
	916	39843.42	65.15	617.82	467.9	-14140.4<<	-139.9
	917	39813.49	69.02	1480.69	-559.2	9443.7>>	-457.9
	917	39843.42	65.15	462.06	467.9	-13519.8<<	-214.8

BARRA	917	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	917	39899.34	-54.98	1174.53	-249.2	9759.3>>	-436.3
	917	39907.86	-21.33	541.63	344.8	-13537.7<<	-214.2
	918	39895.26	-54.74	1091.06	-342.9	11075.0>>	-366.9
	918	39907.86	-21.33	385.87	344.8	-13004.5<<	-189.8

BARRA	918	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	918	39920.64	-54.74	1273.34	-342.9	11067.1>>	-366.9
	918	39933.23	-21.33	568.15	344.8	-13012.4<<	-189.8
	919	39934.65	-53.98	1290.24	-447.2	12492.7>>	-293.9
	919	39915.11	-20.56	311.15	359.9	-12449.0<<	-167.0

BARRA	919	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	919	39955.39	-65.53	985.42	-182.2	12785.2>>	-290.6
	919	39936.97	-38.45	391.39	274.7	-12460.3<<	-175.4
	920	39972.21	-63.91	1109.07	-260.1	14085.9>>	-210.8
	920	39916.90	-37.84	27.55	258.3	-12299.5<<	-129.5

BARRA	920	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	920	39993.90	-63.91	1294.26	-260.1	14072.4>>	-210.8
	920	39938.58	-37.84	212.74	258.3	-12313.0<<	-129.5
	921	39991.06	-61.81	1208.77	-350.7	15520.5>>	-134.0
	921	39938.58	-37.84	56.98	258.3	-12157.9<<	-85.8

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	921	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	921	39996.32	-39.70	903.70	-111.4	15795.0>>	-132.2
	921	39945.48	-29.75	140.51	198.2	-12158.5<<	-96.1
	922	39994.60	-38.57	818.26	-207.0	16797.4>>	-84.7
	922	39945.48	-29.75	-15.24	198.2	-12086.6<<	-61.9

BARRA	922	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	922	40012.21	-38.57	1003.21	-207.0	16781.9>>	-84.7
	922	39963.09	-29.75	169.71	198.2	-12102.0<<	-61.9
	923	40010.78	-37.63	916.78	-299.1	17887.0>>	-40.2
	923	39963.09	-29.75	13.96	198.2	-11996.3<<	-27.8

BARRA	923	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	923	40017.25	-15.14	611.53	-73.6	18153.2>>	-34.8
	923	39966.87	-16.72	100.27	153.8	-11989.7<<	-36.0
	924	40016.48	-14.75	525.35	-170.2	18808.6>>	-17.2
	924	39966.87	-16.72	-55.49	153.8	-11964.1<<	-16.7

BARRA	924	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	924	40030.27	-14.75	711.66	-170.2	18793.9>>	-17.2
	924	39980.66	-16.72	130.82	153.8	-11978.8<<	-16.7
	925	40029.83	-14.58	608.08	-233.5	19551.1>>	-0.5
	925	39980.66	-16.72	-24.93	153.8	-11917.8<<	2.4

BARRA	925	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	925	40038.73	-1.23	318.84	-46.1	19813.5>>	6.3
	925	39984.01	-7.55	62.21	120.4	-11903.3<<	-4.5
	926	40038.48	-1.16	214.14	-110.4	20118.0>>	7.6
	926	39984.01	-7.55	-93.55	120.4	-11920.9<<	4.2

BARRA	926	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	926	40047.93	-1.16	401.90	-110.4	20106.5>>	7.6
	926	39993.46	-7.55	94.22	120.4	-11932.5<<	4.2
	927	40047.70	-1.04	316.03	-206.8	20517.4>>	8.8
	927	39993.46	-7.55	-61.54	120.4	-11913.6<<	12.9

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	927	40057.11	3.32	25.80	-23.4	20775.1>>	15.2
	927	39995.72	-3.88	25.42	94.3	-11890.7<<	5.8
	928	40057.04	3.35	-79.14	-87.9	20730.8>>	11.2
	928	39995.72	-3.88	-130.33	94.3	-11951.1<<	10.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	928	40062.29	3.35	108.42	-87.9	20723.9>>	11.2
	928	40000.97	-3.88	57.23	94.3	-11957.9<<	10.1
	929	40062.33	3.42	22.28	-184.3	20778.9>>	7.3
	929	40000.97	-3.88	-98.53	94.3	-11981.7<<	14.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	929	40069.54	2.37	-284.29	28.9	21038.1>>	12.6
	929	40000.51	-4.01	-10.62	71.6	-11950.7<<	6.5
	930	40069.74	2.43	-372.60	-65.9	20639.5>>	9.7
	930	40000.72	-3.95	-260.19	66.6	-12053.9<<	11.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	930	40069.87	2.43	-189.50	-65.9	20639.1>>	9.7
	930	40000.85	-3.95	-77.10	66.6	-12054.3<<	11.0
	931	40069.99	2.46	-327.40	-98.7	20339.2>>	6.9
	931	40000.90	-3.36	-279.48	67.6	-12268.9<<	15.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	931	40071.62	-0.13	-592.39	54.5	20598.4>>	11.7
	931	39995.41	-4.61	-201.67	47.6	-12227.3<<	8.0
	932	40071.80	-0.10	-731.42	24.1	19835.8>>	12.0
	932	39995.41	-4.61	-357.43	47.6	-12548.6<<	13.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	932	40067.12	-0.10	-553.65	24.1	19841.2>>	12.0
	932	39990.73	-4.61	-179.66	47.6	-12543.2<<	13.4
	933	40067.55	-0.05	-640.79	-72.9	19164.8>>	12.0
	933	39990.73	-4.61	-335.41	47.6	-12839.4<<	18.6

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	933	40063.76	0.15	-950.95	140.6	19415.0>>	17.1
	933	39980.11	-3.42	-258.10	23.0	-12793.8<<	11.7
	934	40064.37	0.21	-1045.39	54.5	18283.8>>	17.0
	934	39980.11	-3.42	-413.86	23.0	-13180.2<<	15.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	934	46469.09	0.21	-868.01	54.5	22018.4>>	17.0
	934	46384.83	-3.42	-236.47	23.0	-9445.7<<	15.6
	935	46469.53	0.24	-972.89	-9.7	20967.6>>	16.8
	935	46384.83	-3.42	-392.23	23.0	-9807.2<<	19.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	935	46502.17	9.33	-1264.21	178.6	21232.3>>	24.6
	935	46411.17	4.50	-314.10	-10.1	-9741.7<<	14.4
	936	46502.73	9.42	-1375.23	123.1	19728.2>>	13.8
	936	46411.17	4.50	-469.86	-10.1	-10192.5<<	9.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	936	46502.64	9.42	-1199.37	123.1	19748.8>>	13.8
	936	46411.07	4.50	-293.99	-10.1	-10171.9<<	9.2
	937	46503.69	9.58	-1287.07	29.2	18321.9>>	2.9
	937	46411.07	4.50	-449.75	-10.1	-10599.7<<	3.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	937	46494.73	34.30	-1580.63	235.5	18577.2>>	16.5
	937	46397.77	22.50	-374.65	-49.8	-10538.5<<	2.7
	938	46495.56	34.61	-1691.30	180.5	16700.5>>	-23.2
	938	46397.77	22.50	-530.41	-49.8	-11058.8<<	-23.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	938	46491.80	34.61	-1515.98	180.5	16720.9>>	-23.2
	938	46394.01	22.50	-355.09	-49.8	-11038.4<<	-23.2
	939	46493.27	35.22	-1603.06	87.6	14918.1>>	-63.8
	939	46394.01	22.50	-510.85	-49.8	-11536.5<<	-49.0

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	939	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	939	46476.43	74.47	-1913.19	340.0	15172.8>>	-42.4
	939	46376.31	46.37	-439.63	-102.7	-11475.2<<	-46.1
	940	46478.06	76.02	-2008.58	263.0	12921.3>>	-130.3
	940	46376.31	46.37	-595.39	-102.7	-12070.6<<	-99.4

BARRA	940	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	940	46470.51	76.02	-1833.50	263.0	12938.6>>	-130.3
	940	46368.76	46.37	-420.31	-102.7	-12053.3<<	-99.4
	941	46472.44	77.80	-1919.69	171.8	10764.6>>	-222.0
	941	46368.76	46.37	-576.06	-102.7	-12625.9<<	-152.4

BARRA	941	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	941	46464.21	100.20	-2230.89	455.5	11016.2>>	-198.4
	941	46359.83	48.77	-509.27	-176.2	-12568.8<<	-151.9
	942	46434.67	97.21	-1886.81	384.3	8787.2>>	-323.2
	942	46391.75	54.46	-1103.40	-179.7	-13635.0<<	-205.7

BARRA	942	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	942	46378.80	97.21	-1720.88	384.3	8617.4>>	-323.2
	942	46335.88	54.46	-937.47	-179.7	-13604.8<<	-205.7
	943	46381.74	99.93	-1805.90	294.8	6772.1>>	-445.5
	943	46335.88	54.46	-1093.23	-179.7	-14772.5<<	-268.2

BARRA	943	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	943	46352.52	0.47	-2127.75	622.5	7034.1>>	-467.5
	943	46303.86	-32.04	-1040.25	-279.3	-14708.7<<	-281.5
	944	46358.03	0.62	-2220.76	548.1	4534.5>>	-476.9
	944	46303.86	-32.04	-1196.00	-279.3	-15994.6<<	-244.9

BARRA	944	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	944	46280.33	0.62	-2062.09	548.1	4537.2>>	-476.9
	944	46226.16	-32.04	-1037.33	-279.3	-15991.9<<	-244.9
	945	46220.64	-6.72	-562.37	100.5	2860.5>>	-238.5
	945	46292.38	-25.08	-2776.51	75.2	-18031.8<<	-452.1

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA	945	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	945	46184.35	-231.00	-2156.51	319.6	2994.0>>	-324.0
	945	46285.54	-498.37	-4437.42	95.4	-17887.9<<	-608.0
	946	46194.18	-239.11	-2246.54	230.0	464.4>>	-45.1
	946	46280.55	-498.37	-4593.18	95.4	-23083.0<<	-34.5

BARRA	946	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	946	56878.12	-239.11	-2143.73	230.0	5549.9>>	-45.1
	946	56964.49	-498.37	-4490.37	95.4	-17997.5<<	-34.5
	947	56795.22	-163.40	-1911.98	17.6	3247.1>>	184.4
	947	56958.07	-498.37	-4691.03	95.4	-23279.5<<	538.7

BARRA	947	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	947	56914.25	-69.72	-1164.18	13.8	3395.3>>	159.1
	947	57051.80	-147.93	-4171.08	110.4	-23014.8<<	508.2
	948	56914.25	-69.72	-1364.85	13.8	1941.3>>	239.3
	948	57051.80	-147.93	-4371.75	110.4	-27926.8<<	678.3

BARRA	948	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	948	57098.70	-69.72	-2760.36	13.8	2111.1>>	239.3
	948	57236.25	-147.93	-5767.26	110.4	-27757.0<<	678.3
	949	57098.70	-69.72	-2961.03	13.8	-1178.8>>	319.5
	949	57236.25	-147.93	-5967.93	110.4	-34504.9<<	848.4

BARRA	949	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	949	57250.25	30.60	3941.11	16.3	-971.7>>	309.5
	949	57311.79	44.71	6897.97	104.2	-34192.6<<	856.9
	950	57250.25	30.60	3740.44	16.3	3445.2>>	274.3
	950	57318.23	38.91	6350.01	238.1	-26407.1<<	805.6

BARRA	950	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	950	57425.74	30.60	2788.72	16.3	3587.3>>	274.3
	950	57493.72	38.91	5398.28	238.1	-26265.0<<	805.6
	951	57425.74	30.60	2588.05	16.3	6679.2>>	239.1
	951	57493.72	38.91	5197.61	238.1	-20172.1<<	760.8

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	951	57412.39	156.44	3364.67	-4.2	6790.9>>	283.5
	951	57280.97	503.78	5754.87	157.4	-19976.2<<	931.1
	952	57418.82	156.44	3164.00	-4.2	10546.9>>	103.4
	952	57287.39	503.78	5554.20	157.4	-13470.0<<	351.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	952	46532.37	156.44	2367.33	-4.2	5327.3>>	103.4
	952	46400.94	503.78	4757.53	157.4	-18689.6<<	351.4
	953	46528.15	243.05	2543.02	-162.1	8182.1>>	-150.3
	953	46405.93	503.78	4601.78	157.4	-13305.4<<	-228.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	953	46771.18	47.70	953.08	15.2	8392.7>>	-125.7
	953	46800.53	96.39	2957.84	97.3	-13147.1<<	-221.2
	954	46756.29	72.40	2518.02	-455.1	9708.6>>	-377.8
	954	46812.28	67.94	1156.53	468.3	-10107.2<<	-144.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	954	48550.83	72.40	2675.33	-455.1	6786.0>>	-377.8
	954	48606.82	67.94	1313.84	468.3	-13029.8<<	-144.0
	955	48547.37	68.65	2594.14	-546.7	9811.8>>	-459.6
	955	48606.82	67.94	1158.09	468.3	-11608.6<<	-222.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	955	48630.46	-56.19	2279.22	-254.3	10121.0>>	-439.8
	955	48673.02	-19.58	1227.51	335.6	-11630.8<<	-217.1
	956	48625.36	-56.03	2198.30	-348.0	12705.5>>	-369.0
	956	48673.02	-19.58	1071.75	335.6	-10308.5<<	-194.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	956	48651.01	-56.03	2369.29	-348.0	12700.3>>	-369.0
	956	48698.67	-19.58	1242.75	335.6	-10313.7<<	-194.8
	957	48645.75	-54.57	2287.46	-437.2	15387.4>>	-296.2
	957	48698.67	-19.58	1087.00	335.6	-8973.9<<	-172.1

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	957	48667.56	-65.74	1973.57	-187.6	15674.7>>	-291.0
	957	48722.38	-37.48	1157.47	239.7	-8984.3<<	-177.3
	958	48663.12	-63.58	1891.61	-281.8	17916.7>>	-209.2
	958	48722.38	-37.48	1001.71	239.7	-7743.1<<	-134.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	958	48685.63	-63.58	2064.77	-281.8	17905.2>>	-209.2
	958	48744.89	-37.48	1174.87	239.7	-7754.7<<	-134.3
	959	48681.69	-61.55	1981.69	-372.4	20247.2>>	-132.7
	959	48744.89	-37.48	1019.12	239.7	-6492.9<<	-91.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	959	48689.28	-38.98	1666.50	-144.3	20519.2>>	-128.5
	959	48753.86	-29.17	1093.14	168.6	-6496.9<<	-99.4
	960	48686.54	-37.91	1583.36	-240.0	22409.2>>	-81.8
	960	48753.86	-29.17	937.38	168.6	-5329.4<<	-65.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	960	48736.86	-37.91	1754.12	-240.0	22370.2>>	-81.8
	960	48804.17	-29.17	1108.15	168.6	-5368.4<<	-65.7
	961	48734.53	-37.01	1669.87	-332.1	24351.4>>	-37.8
	961	48804.17	-29.17	952.39	168.6	-4183.6<<	-32.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	961	48806.63	-14.51	1347.85	-117.4	24559.7>>	-30.5
	961	48873.28	-16.04	1022.60	115.5	-4235.5<<	-38.5
	962	48805.02	-14.16	1263.68	-214.1	26076.6>>	-13.7
	962	48873.28	-16.04	866.84	115.5	-3149.0<<	-20.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	962	48883.91	-14.16	1434.91	-214.1	25999.9>>	-13.7
	962	48952.17	-16.04	1038.07	115.5	-3225.7<<	-20.1
	963	48882.53	-13.87	1349.68	-307.2	27603.7>>	2.3
	963	48952.17	-16.04	882.32	115.5	-2121.5<<	-1.8

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	963	48958.83	-1.24	1031.43	-100.8	27795.4>>	10.6
	963	49022.31	-6.83	957.70	75.9	-2178.8<<	-7.0
	964	48957.79	-1.13	946.36	-198.0	28935.1>>	12.0
	964	49022.31	-6.83	801.95	75.9	-1167.0<<	0.9
BARRA	964	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	964	49033.09	-1.13	1120.01	-198.0	28850.1>>	12.0
	964	49097.61	-6.83	975.60	75.9	-1252.0<<	0.9
	965	49032.57	-1.08	1017.11	-261.7	30077.0>>	13.2
	965	49097.61	-6.83	819.85	75.9	-219.7<<	8.7
BARRA	965	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	965	49109.55	2.22	718.36	-89.5	30258.3>>	20.9
	965	49167.28	-3.05	898.71	46.2	-278.5<<	3.5
	966	49109.14	2.25	614.23	-154.0	31020.4>>	18.2
	966	49167.28	-3.05	742.96	46.2	665.2<<	7.0
BARRA	966	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	966	49181.24	2.25	792.06	-154.0	30931.4>>	18.2
	966	49239.38	-3.05	920.79	46.2	576.2<<	7.0
	967	49180.51	2.29	706.87	-250.7	31786.5>>	15.7
	967	49239.38	-3.05	765.03	46.2	1545.5<<	10.6
BARRA	967	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	967	49256.24	0.48	394.13	-48.9	31957.8>>	22.0
	967	49307.00	-2.82	847.78	24.3	1488.3<<	4.4
	968	49255.63	0.51	306.45	-144.0	32350.2>>	21.4
	968	49307.00	-2.82	692.03	24.3	2373.6<<	7.4
BARRA	968	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	968	49324.01	0.51	486.89	-144.0	32262.0>>	21.4
	968	49375.38	-2.82	872.47	24.3	2285.4<<	7.4
	969	49323.72	0.52	349.12	-176.8	32742.9>>	21.1
	969	49375.38	-2.82	716.71	24.3	3199.3<<	10.9

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	969	49392.78	-0.45	82.31	-37.6	32915.6>>	27.1
	969	49437.53	-3.29	794.17	8.1	3149.2<<	4.1
	970	49392.52	-0.44	-56.72	-68.1	32929.8>>	27.7
	970	49437.53	-3.29	638.41	8.1	3972.9<<	7.9
BARRA	970	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	970	49454.78	-0.44	113.48	-68.1	32849.7>>	27.7
	970	49499.78	-3.29	808.61	8.1	3892.8<<	7.9
	971	49454.21	-0.42	26.15	-165.5	32940.1>>	28.4
	971	49499.78	-3.29	652.85	8.1	4733.1<<	11.6
BARRA	971	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	971	49514.75	7.51	-290.36	32.8	33104.4>>	36.7
	971	49555.95	-1.30	725.84	-3.9	4692.1<<	5.5
	972	49514.46	7.57	-401.93	-23.4	32727.1>>	28.4
	972	49555.95	-1.30	570.09	-3.9	5437.2<<	7.1
BARRA	972	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	972	49555.60	7.57	-230.56	-23.4	32679.4>>	28.4
	972	49597.09	-1.30	741.46	-3.9	5389.5<<	7.1
	973	49555.00	7.70	-319.53	-118.3	32368.8>>	19.8
	973	49597.09	-1.30	585.70	-3.9	6152.5<<	8.5
BARRA	973	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	973	49461.31	34.25	-636.92	75.9	32679.9>>	34.2
	973	49504.22	6.19	654.74	-12.2	6270.2<<	4.0
	974	49460.56	34.81	-734.95	-4.5	31896.1>>	-5.3
	974	49504.22	6.19	498.99	-12.2	6933.6<<	-3.1
BARRA	974	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	974	49224.04	34.81	-569.71	-4.5	31939.1>>	-5.3
	974	49267.69	6.19	664.23	-12.2	6976.6<<	-3.1
	975	49223.18	35.48	-659.23	-99.5	31201.4>>	-46.1
	975	49267.69	6.19	508.47	-12.2	7651.1<<	-10.2

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	975	49134.90	84.06	-981.19	101.4	31514.5>>	-21.4
	975	49185.22	19.84	573.48	-16.6	7770.9<<	-12.0
	976	49134.38	84.83	-1123.14	76.7	30299.6>>	-118.9
	976	49185.22	19.84	417.73	-16.6	8340.9<<	-34.7
BARRA	976	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	976	49058.63	84.83	-960.66	76.7	30377.5>>	-118.9
	976	49109.48	19.84	580.21	-16.6	8418.8<<	-34.7
	977	49057.89	85.91	-1072.99	20.7	29229.1>>	-219.2
	977	49109.48	19.84	424.45	-16.6	8996.7<<	-57.5
BARRA	977	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	977	48972.63	129.17	-1332.84	134.1	29499.8>>	-193.3
	977	49025.59	30.91	486.58	-17.3	9107.8<<	-57.5
	978	48972.63	129.17	-1488.59	134.1	27877.2>>	-341.9
	978	49025.59	30.91	330.83	-17.3	9577.5<<	-93.1
BARRA	978	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	978	48893.17	129.17	-1329.79	134.1	27943.0>>	-341.9
	978	48946.13	30.91	489.63	-17.3	9643.4<<	-93.1
	979	48891.38	132.71	-1428.82	51.8	26344.5>>	-503.5
	979	48946.13	30.91	333.87	-17.3	10117.0<<	-128.7
BARRA	979	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	979	48859.61	52.47	-1733.70	229.8	26598.8>>	-503.6
	979	48874.01	9.86	391.05	-12.6	10213.7<<	-136.6
	980	48859.25	53.45	-1862.44	193.5	24517.2>>	-573.5
	980	48874.01	9.86	235.30	-12.6	10573.7<<	-147.9
BARRA	980	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	980	48776.10	53.45	-1706.87	193.5	24565.4>>	-573.5
	980	48790.86	9.86	390.87	-12.6	10621.8<<	-147.9
	981	48776.10	54.02	-1852.75	175.7	22523.8>>	-640.8
	981	48790.86	9.86	235.11	-12.6	10981.8<<	-159.2

SANT BOI CPGT712:1.00*G+1.0*UIC+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	981	48784.93	-384.45	-3679.61	274.5	22738.4>>	-784.8
	981	48734.39	-101.02	-1269.80	-8.0	11059.0<<	-196.9
	982	48782.48	-386.91	-3830.99	263.7	18418.7>>	-342.5
	982	48729.41	-101.02	-1425.56	-8.0	9508.3<<	-80.6
BARRA	982	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	982	48701.54	-386.91	-3678.74	263.7	18445.7>>	-342.5
	982	48648.46	-101.02	-1273.31	-8.0	9535.3<<	-80.6
	983	48695.12	-386.91	-3879.41	263.7	14097.9>>	102.8
	983	48642.04	-101.02	-1473.98	-8.0	7955.2<<	35.8
BARRA	983	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	983	48520.39	29.06	-2537.13	271.1	14235.2>>	105.1
	983	48525.86	-1.89	136.47	2.8	8008.3<<	19.7
	984	48520.39	29.06	-2737.80	271.1	11202.1>>	71.7
	984	48525.86	-1.89	-64.20	2.8	8049.9<<	21.8
BARRA	984	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	984	48445.42	29.06	-2626.23	271.1	11202.7>>	71.7
	984	48450.89	-1.89	47.37	2.8	8050.5<<	21.8
	985	48449.24	16.96	-1497.49	265.4	8104.7>>	30.5
	985	48441.84	28.92	-1931.64	-68.1	7892.9<<	38.9

7.5.3.3. Esfuerzos Carga Permanente + Gradiente

TITULO

SANT BOI CPGT:1.00*G+0.6*GT

FICHERO DE GEOMETRIA COMPLETA

GEOM.GEO

NUMERO DE FICHEROS DE RESULTADOS

3

Fich	Num. Nudos	Num. barras	Num. hipotesis	NOMBRE FICHERO
1	869	1138	2	CP.TXT
4	869	1138	1	TEMP.TXT
6	869	1138	55	PRET.TXT

Fich	Hipotesis	Caracter	Coeficiente
1	1	1	1.00
1	2	1	1.00
4	1	2	0.60
6	1	1	7.8291
6	2	1	7.8291
6	3	1	5.8719
6	4	1	5.8719
6	5	1	5.8719
6	6	1	5.8719
6	7	1	7.8291
6	8	1	5.8719
6	9	1	5.8719
6	10	1	5.8719
6	11	1	5.8719
6	12	1	7.3398
6	13	1	7.3398
6	14	1	7.3398
6	15	1	7.3398
6	16	1	7.3398
6	17	1	7.3398
6	18	1	4.8932
6	19	1	4.8932
6	20	1	4.8932
6	21	1	4.8932
6	22	1	4.8932
6	23	1	2.4466
6	24	1	2.4466
6	25	1	0.0000
6	26	1	0.0000
6	27	1	0.0000
6	28	1	0.0000
6	29	1	4.8932
6	30	1	2.4466
6	31	1	2.4466
6	32	1	2.4466
6	33	1	2.4466
6	34	1	4.2121
6	35	1	4.2121
6	36	1	4.2121
6	37	1	4.2121
6	38	1	4.2121
6	39	1	4.2121
6	40	1	4.2121
6	41	1	4.2121
6	42	1	4.2121
6	43	1	4.2121
6	44	1	4.2121
6	45	1	4.2121
6	46	1	2.4680
6	47	1	3.9488
6	48	1	2.4680
6	49	1	3.9488
6	50	1	2.4466
6	51	1	2.4466
6	52	1	4.8932
6	53	1	2.4466
6	54	1	0.0000
6	55	1	0.0000

PONDERACION DE ESFUERZOS

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	1	39544.20	3.82	-431.47	32.7	7063.7>>	-17.6
	1	39545.29	3.99	-600.76	15.3	7053.5<<	-17.6
	2	39544.20	3.82	-632.14	32.7	6452.1>>	-22.2
	2	39545.29	3.99	-801.43	15.3	6247.1<<	-22.3
BARRA	2	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	2	39692.98	3.82	-469.02	32.7	6455.1>>	-22.2
	2	39694.07	3.99	-638.31	15.3	6250.1<<	-22.3
	3	39692.98	3.82	-669.68	32.7	5800.3>>	-26.6
	3	39694.07	3.99	-838.98	15.3	5400.7<<	-26.9
BARRA	3	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	3	39906.71	-101.18	727.70	29.1	5741.8>>	-34.0
	3	39913.49	-100.12	559.35	10.5	5342.2<<	-36.1
	4	39913.13	-101.18	527.03	29.1	6463.6>>	82.4
	4	39919.91	-100.12	358.69	10.5	5870.3<<	79.1
BARRA	4	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	4	40069.90	-101.18	751.41	29.1	6424.4>>	82.4
	4	40076.68	-100.12	583.06	10.5	5831.1<<	79.1
	5	40074.89	-101.18	595.65	29.1	7199.3>>	198.7
	5	40081.66	-100.12	427.31	10.5	6412.3<<	194.2
BARRA	5	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	5	40190.23	10.33	-562.15	24.7	7105.6>>	158.9
	5	40191.11	10.41	-729.29	8.0	6320.2<<	157.0
	6	40190.23	10.33	-717.91	24.7	6369.7>>	147.1
	6	40191.11	10.41	-885.05	8.0	5392.2<<	145.2
BARRA	6	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	6	40347.45	10.33	-489.79	24.7	6302.2>>	147.1
	6	40348.33	10.41	-656.93	8.0	5324.7<<	145.2
	7	40347.45	10.33	-645.55	24.7	5649.3>>	135.1
	7	40348.33	10.41	-812.68	8.0	4479.6<<	133.1

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	7	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	7	40491.03	32.10	-512.11	20.5	5529.0>>	129.0
	7	40491.60	31.99	-678.67	5.0	4360.2<<	127.8
	8	40491.03	32.10	-667.87	20.5	4850.7>>	91.9
	8	40491.60	31.99	-834.43	5.0	3490.3<<	90.9
BARRA	8	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	8	40640.32	32.10	-433.38	20.5	4761.9>>	91.9
	8	40640.89	31.99	-599.95	5.0	3401.6<<	90.9
	9	40640.32	32.10	-589.14	20.5	4174.0>>	55.0
	9	40640.89	31.99	-755.70	5.0	2622.1<<	54.1
BARRA	9	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	9	40790.36	21.75	-449.37	19.0	4038.3>>	57.3
	9	40790.67	21.71	-615.55	4.8	2487.1<<	56.8
	10	40790.36	21.75	-605.12	19.0	3432.0>>	32.3
	10	40790.67	21.71	-771.30	4.8	1689.7<<	31.9
BARRA	10	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	10	40932.08	21.75	-362.34	19.0	3332.9>>	32.3
	10	40932.40	21.71	-528.52	4.8	1590.6<<	31.9
	11	40932.08	21.75	-518.09	19.0	2826.8>>	7.4
	11	40932.40	21.71	-684.27	4.8	893.4<<	7.0
BARRA	11	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	11	41076.44	8.50	-371.77	17.7	2685.0>>	8.8
	11	41076.55	8.55	-537.57	5.1	752.3<<	8.6
	12	41076.44	8.50	-527.52	17.7	2167.8>>	-1.0
	12	41076.55	8.55	-693.32	5.1	44.4<<	-1.2
BARRA	12	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	12	41165.85	8.50	-278.77	17.7	2118.9>>	-1.0
	12	41165.95	8.55	-444.57	5.1	-4.5<<	-1.2
	13	41165.85	8.50	-434.53	17.7	1709.0>>	-10.9
	13	41165.95	8.55	-600.33	5.1	-605.1<<	-11.1

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	13	41136.51	0.26	-282.75	15.1	1780.6>>	-12.0
	13	41136.42	0.36	-448.14	4.1	-532.8<<	-11.9
	14	41136.51	0.26	-438.50	15.1	1365.8>>	-12.3
	14	41136.42	0.36	-603.90	4.1	-1137.8<<	-12.3
BARRA	14	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	14	41103.11	0.26	-196.81	15.1	1478.9>>	-12.3
	14	41103.02	0.36	-362.20	4.1	-1024.7<<	-12.3
	15	41103.11	0.26	-352.56	15.1	1162.7>>	-12.5
	15	41103.02	0.36	-517.96	4.1	-1531.1<<	-12.7
BARRA	15	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	15	41071.36	-4.60	-220.89	10.6	1233.5>>	-14.6
	15	41071.09	-4.46	-385.86	1.6	-1459.6<<	-14.5
	16	41071.36	-4.60	-376.65	10.6	889.9>>	-9.6
	16	41071.09	-4.46	-541.62	1.6	-1992.9<<	-9.6
BARRA	16	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	16	43007.63	-4.60	-148.38	10.6	4182.7>>	-9.6
	16	43007.36	-4.46	-313.36	1.6	1299.9<<	-9.6
	17	43007.63	-4.60	-304.14	10.6	3922.7>>	-4.4
	17	43007.36	-4.46	-469.11	1.6	850.2<<	-4.6
BARRA	17	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	17	42974.94	-9.74	-176.68	8.4	4002.0>>	-7.2
	17	42974.50	-9.60	-341.22	1.3	930.2<<	-7.1
	18	42974.94	-9.74	-332.43	8.4	3709.4>>	4.2
	18	42974.50	-9.60	-496.98	1.3	448.4<<	4.2
BARRA	18	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	18	42935.41	-9.74	-107.50	8.4	3830.1>>	4.2
	18	42934.97	-9.60	-272.04	1.3	569.1<<	4.2
	19	42935.41	-9.74	-263.26	8.4	3617.0>>	15.1
	19	42934.97	-9.60	-427.80	1.3	166.7<<	14.9

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	19	42898.94	-16.82	-141.77	8.3	3691.5>>	11.9
	19	42898.34	-16.69	-305.88	3.1	242.0<<	12.0
	20	42898.94	-16.82	-297.53	8.3	3439.0>>	31.1
	20	42898.34	-16.69	-461.63	3.1	-199.2<<	31.1
BARRA	20	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	20	42882.85	-16.82	-75.01	8.3	3505.6>>	31.1
	20	42882.25	-16.69	-239.12	3.1	-132.6<<	31.1
	21	42882.85	-16.82	-230.77	8.3	3329.9>>	50.4
	21	42882.25	-16.69	-394.87	3.1	-497.0<<	50.2
BARRA	21	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	21	42869.07	-22.30	-107.67	8.1	3315.8>>	46.2
	21	42868.30	-22.20	-271.35	4.9	-510.5<<	46.4
	22	42869.07	-22.30	-263.43	8.1	3102.2>>	71.7
	22	42868.30	-22.20	-427.11	4.9	-912.3<<	71.8
BARRA	22	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	22	42845.65	-22.30	-40.23	8.1	3128.6>>	71.7
	22	42844.88	-22.20	-203.91	4.9	-885.9<<	71.8
	23	42845.65	-22.30	-195.99	8.1	2992.7>>	97.4
	23	42844.88	-22.20	-359.67	4.9	-1210.0<<	97.3
BARRA	23	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	23	42821.28	-15.07	-75.63	7.9	2973.5>>	94.2
	23	42820.36	-15.00	-238.92	6.6	-1228.5<<	94.5
	24	42821.28	-15.07	-231.39	7.9	2796.9>>	111.6
	24	42820.36	-15.00	-394.68	6.6	-1592.8<<	111.8
BARRA	24	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	24	42794.55	-15.07	-11.33	7.9	2814.5>>	111.6
	24	42793.62	-15.00	-174.62	6.6	-1575.3<<	111.8
	25	42794.55	-15.07	-167.08	7.9	2712.0>>	128.9
	25	42793.62	-15.00	-330.37	6.6	-1865.6<<	129.0

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	25	42697.63	27.83	-57.18	6.9	2701.1>>	131.9
	25	42696.58	27.96	-220.17	7.4	-1875.9<<	132.2
	26	42697.63	27.83	-212.93	6.9	2545.6>>	99.9
	26	42696.58	27.96	-375.92	7.4	-2218.8<<	100.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	26	42591.56	27.83	-9.37	6.9	2560.1>>	99.9
	26	42590.50	27.96	-172.36	7.4	-2204.3<<	100.1
	27	42591.56	27.83	-165.13	6.9	2460.0>>	68.0
	27	42590.50	27.96	-328.12	7.4	-2491.8<<	68.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	27	42404.13	146.97	-1423.16	6.9	2407.3>>	73.0
	27	42397.81	147.51	-1585.83	8.9	-2544.1<<	72.8
	28	42399.15	146.97	-1578.92	6.9	680.1>>	-96.1
	28	42392.82	147.51	-1741.58	8.9	-4458.5<<	-96.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	28	51700.85	146.97	-1129.51	6.9	5700.8>>	-96.1
	28	51694.53	147.51	-1292.17	8.9	562.2<<	-96.9
	29	51694.43	146.97	-1330.18	6.9	4285.8>>	-265.3
	29	51688.11	147.51	-1492.84	8.9	-1039.9<<	-266.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	29	51734.02	15.72	-751.80	12.0	4237.8>>	-223.3
	29	51732.86	15.73	-914.22	15.8	-1087.4<<	-224.0
	30	51734.02	15.72	-952.47	12.0	3257.8>>	-241.2
	30	51732.86	15.73	-1114.89	15.8	-2254.1<<	-241.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	30	51661.87	15.72	-2755.67	12.0	3224.5>>	-241.2
	30	51660.70	15.73	-2918.09	15.8	-2287.5<<	-241.8
	31	51661.87	15.72	-2956.34	12.0	-60.0>>	-259.2
	31	51660.70	15.73	-3118.76	15.8	-5758.8<<	-259.8

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	31	51605.75	-48.33	3601.75	2.8	-164.7>>	-260.9
	31	51604.60	-48.50	3630.37	7.7	-5863.1<<	-261.4
	32	51605.75	-48.33	3401.08	2.8	3861.8>>	-205.5
	32	51604.60	-48.50	3429.70	7.7	-1803.8<<	-205.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	32	51593.28	-48.33	2477.54	2.8	3854.4>>	-205.5
	32	51592.13	-48.50	2506.17	7.7	-1811.1<<	-205.8
	33	51593.28	-48.33	2276.87	2.8	6588.2>>	-149.7
	33	51592.13	-48.50	2305.50	7.7	955.6<<	-149.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	33	51676.09	-149.86	2887.98	0.4	6615.8>>	-163.7
	33	51674.02	-150.14	2916.60	5.7	983.2<<	-163.6
	34	51682.51	-149.86	2687.31	0.4	9823.5>>	8.8
	34	51680.44	-150.14	2715.93	5.7	4223.9<<	9.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	34	42188.10	-149.86	1945.82	0.4	4695.6>>	8.8
	34	42186.03	-150.14	1974.44	5.7	-904.1<<	9.3
	35	42193.09	-149.86	1790.06	0.4	6844.9>>	181.1
	35	42191.02	-150.14	1818.68	5.7	1278.2<<	181.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	35	42251.95	-7.73	491.47	3.7	6840.0>>	135.1
	35	42250.96	-7.83	519.96	8.6	1273.1<<	135.2
	36	42251.95	-7.73	335.72	3.7	7315.7>>	143.9
	36	42250.96	-7.83	364.20	8.6	1781.5<<	144.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	36	39863.55	-7.73	489.30	3.7	3924.7>>	143.9
	36	39862.56	-7.83	517.78	8.6	-1609.5<<	144.2
	37	39863.55	-7.73	333.54	3.7	4397.8>>	152.8
	37	39862.56	-7.83	362.03	8.6	-1103.6<<	153.1

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	37	39869.90	31.40	398.86	1.1	4351.1>>	146.1
	37	39869.03	31.34	427.20	5.7	-1150.5<<	146.2
	38	39869.90	31.40	243.10	1.1	4720.3>>	110.0
	38	39869.03	31.34	271.45	5.7	-748.8<<	110.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	38	39893.20	31.40	410.24	1.1	4715.4>>	110.0
	38	39892.33	31.34	438.59	5.7	-753.7<<	110.1
	39	39893.20	31.40	254.49	1.1	5097.8>>	73.9
	39	39892.33	31.34	282.84	5.7	-338.7<<	74.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	39	39914.14	26.50	320.25	-1.9	5046.5>>	79.9
	39	39913.38	26.45	348.51	2.4	-390.1<<	79.9
	40	39914.14	26.50	164.50	-1.9	5325.1>>	49.4
	40	39913.38	26.45	192.75	2.4	-79.0<<	49.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	40	39934.35	26.50	333.68	-1.9	5314.6>>	49.4
	40	39933.58	26.45	361.94	2.4	-89.5<<	49.4
	41	39934.35	26.50	177.93	-1.9	5608.6>>	19.1
	41	39933.58	26.45	206.19	2.4	237.0<<	19.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	41	39957.34	12.89	245.92	-4.3	5553.6>>	25.3
	41	39956.68	12.83	274.11	-0.2	181.8<<	25.2
	42	39957.34	12.89	90.16	-4.3	5746.6>>	10.5
	42	39956.68	12.83	118.35	-0.2	407.2<<	10.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	42	39974.21	12.89	259.92	-4.3	5733.4>>	10.5
	42	39973.54	12.83	288.11	-0.2	394.0<<	10.5
	43	39974.21	12.89	104.16	-4.3	5942.7>>	-4.6
	43	39973.54	12.83	132.35	-0.2	635.8<<	-4.5

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	43	39992.86	3.44	172.85	-5.7	5887.0>>	-0.9
	43	39992.29	3.37	200.97	-1.9	579.9<<	-1.0
	44	39992.86	3.44	17.09	-5.7	5996.1>>	-4.8
	44	39992.29	3.37	45.21	-1.9	721.3<<	-4.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	44	40006.40	3.44	187.83	-5.7	5982.6>>	-4.8
	44	40005.83	3.37	215.95	-1.9	707.9<<	-4.8
	45	40006.40	3.44	32.07	-5.7	6109.0>>	-8.8
	45	40005.83	3.37	60.19	-1.9	866.6<<	-8.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	45	40019.65	-0.46	103.07	-6.2	6053.3>>	-7.2
	45	40019.18	-0.54	131.13	-2.7	810.8<<	-7.3
	46	40019.65	-0.46	-52.68	-6.2	6082.8>>	-6.5
	46	40019.18	-0.54	-24.63	-2.7	872.5<<	-6.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	46	40029.74	-0.46	117.51	-6.2	6071.1>>	-6.5
	46	40029.27	-0.54	145.56	-2.7	860.8<<	-6.6
	47	40029.74	-0.46	-38.24	-6.2	6116.5>>	-6.0
	47	40029.27	-0.54	-10.19	-2.7	938.5<<	-6.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	47	40038.07	-0.92	33.51	-6.5	6064.5>>	-5.5
	47	40037.70	-1.00	61.49	-3.3	886.4<<	-5.6
	48	40038.07	-0.92	-122.25	-6.5	6013.3>>	-4.2
	48	40037.70	-1.00	-94.27	-3.3	867.4<<	-4.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	48	40044.76	-0.92	49.09	-6.5	6004.7>>	-4.2
	48	40044.38	-1.00	77.08	-3.3	858.8<<	-4.2
	49	40044.76	-0.92	-106.66	-6.5	5971.8>>	-3.3
	49	40044.38	-1.00	-78.68	-3.3	858.0<<	-3.2

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	49	40048.93	0.02	-33.95	-6.6	5923.2>>	-2.8
	49	40048.65	-0.06	-6.04	-3.7	809.3<<	-2.9
	50	40048.93	0.02	-189.70	-6.6	5794.4>>	-2.6
	50	40048.65	-0.06	-161.79	-3.7	712.6<<	-2.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	50	40052.17	0.02	-18.73	-6.6	5790.0>>	-2.6
	50	40051.89	-0.06	9.19	-3.7	708.2<<	-2.6
	51	40052.17	0.02	-174.48	-6.6	5678.8>>	-2.8
	51	40051.89	-0.06	-146.57	-3.7	629.1<<	-2.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	51	40051.81	0.97	-106.95	-7.3	5635.5>>	-2.0
	51	40051.62	0.89	-79.11	-4.7	585.7<<	-2.1
	52	40051.81	0.97	-262.71	-7.3	5422.9>>	-3.1
	52	40051.62	0.89	-234.87	-4.7	405.1<<	-3.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	52	40049.99	0.97	-100.33	-7.3	5424.9>>	-3.1
	52	40049.80	0.89	-72.49	-4.7	407.2<<	-3.1
	53	40049.99	0.97	-256.08	-7.3	5220.1>>	-4.1
	53	40049.80	0.89	-228.25	-4.7	234.3<<	-4.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	53	40045.86	0.99	-193.05	-10.8	5180.1>>	-2.9
	53	40045.76	0.91	-165.29	-8.6	194.3<<	-3.0
	54	40045.86	0.99	-348.81	-10.8	4868.6>>	-4.2
	54	40045.76	0.91	-321.04	-8.6	-85.3<<	-4.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	54	40040.88	0.99	-186.50	-10.8	4874.3>>	-4.2
	54	40040.79	0.91	-158.74	-8.6	-79.7<<	-4.2
	55	40040.88	0.99	-342.26	-10.8	4570.3>>	-5.3
	55	40040.79	0.91	-314.49	-8.6	-351.7<<	-5.2

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	55	40022.11	-1.02	-282.16	-17.5	4528.7>>	-3.7
	55	40022.11	-1.10	-254.48	-15.6	-393.4<<	-3.8
	56	40022.11	-1.02	-437.92	-17.5	4114.7>>	-2.6
	56	40022.11	-1.10	-410.23	-15.6	-775.6<<	-2.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	56	44593.24	-1.02	-275.84	-17.5	10668.8>>	-2.6
	56	44593.24	-1.10	-248.15	-15.6	5778.5<<	-2.6
	57	44593.24	-1.02	-431.59	-17.5	10261.9>>	-1.4
	57	44593.24	-1.10	-403.91	-15.6	5403.4<<	-1.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	57	44593.51	-6.11	-369.33	-18.7	10242.8>>	0.4
	57	44593.61	-6.19	-341.73	-17.1	5384.2<<	0.3
	58	44593.51	-6.11	-525.09	-18.7	9728.5>>	7.4
	58	44593.61	-6.19	-497.48	-17.1	4901.7<<	7.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	58	44590.93	-6.11	-363.18	-18.7	9752.8>>	7.4
	58	44591.02	-6.19	-335.57	-17.1	4926.0<<	7.4
	59	44590.93	-6.11	-518.94	-18.7	9245.5>>	14.6
	59	44591.02	-6.19	-491.33	-17.1	4450.5<<	14.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	59	44590.54	-13.93	-456.64	-14.9	9229.4>>	15.7
	59	44590.73	-14.01	-429.12	-13.7	4434.3<<	15.7
	60	44590.54	-13.93	-612.39	-14.9	8615.0>>	32.1
	60	44590.73	-14.01	-584.87	-13.7	3851.5<<	32.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	60	44584.97	-13.93	-451.46	-14.9	8638.4>>	32.1
	60	44585.16	-14.01	-423.94	-13.7	3874.9<<	32.1
	61	44584.97	-13.93	-607.22	-14.9	8029.4>>	48.0
	61	44585.16	-14.01	-579.70	-13.7	3297.5<<	48.1

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	61	44582.50	-20.19	-545.98	-9.7	8012.1>>	48.2
	61	44582.78	-20.26	-518.57	-9.1	3280.1<<	48.1
	62	44582.50	-20.19	-701.74	-9.7	7294.6>>	71.5
	62	44582.78	-20.26	-674.33	-9.1	2594.1<<	71.5
BARRA	62	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	62	44573.97	-20.19	-540.99	-9.7	7315.1>>	71.5
	62	44574.26	-20.26	-513.59	-9.1	2614.6<<	71.5
	63	44573.97	-20.19	-696.75	-9.7	6603.2>>	94.7
	63	44574.26	-20.26	-669.34	-9.1	1934.2<<	94.8
BARRA	63	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	63	44564.03	-13.47	-637.25	-2.8	6581.7>>	96.0
	63	44564.41	-13.52	-610.00	-2.9	1912.4<<	95.9
	64	44564.03	-13.47	-793.00	-2.8	5759.2>>	111.6
	64	44564.41	-13.52	-765.76	-2.9	1121.3<<	111.6
BARRA	64	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	64	44510.77	-13.47	-640.00	-2.8	5788.9>>	111.6
	64	44511.15	-13.52	-612.75	-2.9	1151.0<<	111.6
	65	44510.77	-13.47	-795.76	-2.8	4963.1>>	126.9
	65	44511.15	-13.52	-768.51	-2.9	356.6<<	126.9
BARRA	65	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	65	44417.48	29.57	-746.60	4.8	4942.3>>	134.1
	65	44417.93	29.49	-719.60	3.9	335.4<<	134.0
	66	44417.48	29.57	-902.36	4.8	3994.3>>	99.9
	66	44417.93	29.49	-875.36	3.9	-581.6<<	99.9
BARRA	66	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	66	44342.21	29.57	-756.36	4.8	3997.2>>	99.9
	66	44342.66	29.49	-729.36	3.9	-578.7<<	99.9
	67	44342.21	29.57	-912.11	4.8	3037.8>>	65.9
	67	44342.66	29.49	-885.12	3.9	-1507.0<<	66.0

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	67	44158.85	150.67	-2281.22	14.6	2984.6>>	72.5
	67	44160.18	150.36	-2254.62	12.3	-1560.8<<	72.7
	68	44153.87	150.67	-2436.97	14.6	270.3>>	-101.0
	68	44155.19	150.36	-2410.38	12.3	-4244.6<<	-100.3
BARRA	68	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	68	54814.76	150.67	-2602.59	14.6	5354.5>>	-101.0
	68	54816.08	150.36	-2576.00	12.3	839.6<<	-100.3
	69	54808.34	150.67	-2803.26	14.6	2244.5>>	-274.2
	69	54809.66	150.36	-2776.67	12.3	-2239.8<<	-273.2
BARRA	69	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	69	54850.86	16.36	-2057.35	29.7	2169.5>>	-227.1
	69	54851.37	16.40	-2030.88	26.4	-2315.1<<	-226.7
	70	54850.86	16.36	-2258.02	29.7	-312.1>>	-246.0
	70	54851.37	16.40	-2231.55	26.4	-4766.3<<	-245.6
BARRA	70	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	70	54884.72	16.36	-3472.82	29.7	-266.6>>	-246.0
	70	54885.22	16.40	-3446.36	26.4	-4720.8<<	-245.6
	71	54884.72	16.36	-3673.49	29.7	-4375.8>>	-264.7
	71	54885.22	16.40	-3647.03	26.4	-8799.5<<	-264.3
BARRA	71	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	71	55094.07	-48.93	3929.52	23.6	-4252.0>>	-264.9
	71	55094.57	-48.82	3930.19	20.4	-8675.5<<	-264.6
	72	55094.07	-48.93	3728.85	23.6	151.6>>	-208.5
	72	55094.57	-48.82	3729.52	20.4	-4271.2<<	-208.4
BARRA	72	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	72	55262.51	-48.93	2799.71	23.6	295.9>>	-208.5
	72	55263.00	-48.82	2800.39	20.4	-4126.9<<	-208.4
	73	55262.51	-48.93	2599.04	23.6	3400.4>>	-152.4
	73	55263.00	-48.82	2599.72	20.4	-1021.6<<	-152.4

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	73	55340.03	-151.20	3326.98	20.9	3432.2>>	-164.9
	73	55340.49	-151.19	3328.04	18.7	-989.3<<	-165.0
	74	55346.46	-151.20	3126.31	20.9	7144.9>>	9.0
	74	55346.91	-151.19	3127.37	18.7	2724.7<<	9.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	74	44426.15	-151.20	2339.20	20.9	1909.2>>	9.0
	74	44426.60	-151.19	2340.26	18.7	-2511.0<<	9.0
	75	44431.13	-151.20	2183.44	20.9	4511.2>>	183.2
	75	44431.58	-151.19	2184.50	18.7	92.2<<	183.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	75	44504.24	-8.48	813.28	24.5	4509.1>>	133.9
	75	44504.61	-8.40	814.47	23.0	90.4<<	134.0
	76	44504.24	-8.48	657.53	24.5	5354.9>>	143.9
	76	44504.61	-8.40	658.71	23.0	937.6<<	144.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	76	39855.11	-8.48	811.11	24.5	-1392.5>>	143.9
	76	39855.49	-8.40	812.30	23.0	-5809.8<<	144.0
	77	39855.11	-8.48	655.36	24.5	-549.1>>	153.4
	77	39855.49	-8.40	656.54	23.0	-4965.1<<	153.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	77	39861.96	30.94	720.15	21.0	-596.1>>	145.6
	77	39862.27	31.00	721.32	19.6	-5012.0<<	145.7
	78	39861.96	30.94	564.39	21.0	142.4>>	110.1
	78	39862.27	31.00	565.56	19.6	-4272.2<<	110.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	78	39885.26	30.94	731.54	21.0	137.5>>	110.1
	78	39885.57	31.00	732.71	19.6	-4277.1<<	110.1
	79	39885.26	30.94	575.78	21.0	889.1>>	74.2
	79	39885.57	31.00	576.95	19.6	-3524.1<<	74.2

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	79	39906.64	26.17	640.52	15.3	836.5>>	79.4
	79	39906.89	26.22	641.68	14.1	-3576.7<<	79.5
	80	39906.64	26.17	484.77	15.3	1483.2>>	49.3
	80	39906.89	26.22	485.93	14.1	-2928.6<<	49.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	80	39926.85	26.17	653.95	15.3	1472.7>>	49.3
	80	39927.10	26.22	655.11	14.1	-2939.2<<	49.3
	81	39926.85	26.17	498.19	15.3	2135.3>>	19.5
	81	39927.10	26.22	499.35	14.1	-2275.3<<	19.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	81	39950.22	12.58	565.26	10.2	2078.3>>	24.7
	81	39950.42	12.63	566.43	9.1	-2332.2<<	24.7
	82	39950.22	12.58	409.51	10.2	2639.1>>	10.2
	82	39950.42	12.63	410.67	9.1	-1770.1<<	10.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	82	39967.08	12.58	579.26	10.2	2625.6>>	10.2
	82	39967.27	12.63	580.42	9.1	-1783.6<<	10.2
	83	39967.08	12.58	423.50	10.2	3202.2>>	-4.3
	83	39967.27	12.63	424.67	9.1	-1205.6<<	-4.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	83	39986.19	3.10	491.34	5.7	3144.7>>	-1.6
	83	39986.32	3.15	492.51	4.6	-1263.2<<	-1.5
	84	39986.19	3.10	335.59	5.7	3620.1>>	-5.1
	84	39986.32	3.15	336.75	4.6	-786.4<<	-5.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	84	39999.73	3.10	506.32	5.7	3606.6>>	-5.1
	84	39999.87	3.15	507.49	4.6	-799.9<<	-5.1
	85	39999.73	3.10	350.56	5.7	4099.3>>	-8.7
	85	39999.87	3.15	351.73	4.6	-305.9<<	-8.7

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	85	40013.42	-0.79	420.80	1.7	4042.8>>	-8.0
	85	40013.50	-0.74	421.97	0.7	-362.4<<	-7.9
	86	40013.42	-0.79	265.04	1.7	4436.9>>	-6.9
	86	40013.50	-0.74	266.21	0.7	33.1<<	-6.9
BARRA	86	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	86	40023.49	-0.79	435.23	1.7	4425.1>>	-6.9
	86	40023.57	-0.74	436.40	0.7	21.3<<	-6.9
	87	40023.49	-0.79	279.48	1.7	4836.5>>	-6.1
	87	40023.57	-0.74	280.65	0.7	434.0<<	-6.1
BARRA	87	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	87	40032.24	-1.25	350.46	-1.7	4782.7>>	-6.1
	87	40032.27	-1.21	351.63	-2.7	380.2<<	-6.1
	88	40032.24	-1.25	194.70	-1.7	5096.2>>	-4.7
	88	40032.27	-1.21	195.87	-2.7	695.1<<	-4.7
BARRA	88	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	88	40038.94	-1.25	366.05	-1.7	5087.8>>	-4.7
	88	40038.97	-1.21	367.22	-2.7	686.6<<	-4.7
	89	40038.94	-1.25	210.30	-1.7	5419.1>>	-3.2
	89	40038.97	-1.21	211.46	-2.7	1019.3<<	-3.3
BARRA	89	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	89	40043.53	-0.35	282.39	-4.8	5369.3>>	-3.5
	89	40043.49	-0.30	283.55	-5.8	969.4<<	-3.4
	90	40043.53	-0.35	126.63	-4.8	5604.7>>	-3.1
	90	40043.49	-0.30	127.80	-5.8	1206.2<<	-3.1
BARRA	90	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	90	40046.77	-0.35	297.60	-4.8	5600.3>>	-3.1
	90	40046.74	-0.30	298.77	-5.8	1201.8<<	-3.1
	91	40046.77	-0.35	141.85	-4.8	5852.9>>	-2.6
	91	40046.74	-0.30	143.02	-5.8	1455.8<<	-2.6

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	91	40046.84	0.59	209.06	-8.1	5808.6>>	-2.7
	91	40046.75	0.64	210.23	-9.1	1411.4<<	-2.6
	92	40046.84	0.59	53.31	-8.1	5959.2>>	-3.4
	92	40046.75	0.64	54.47	-9.1	1563.4<<	-3.4
BARRA	92	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	92	40045.01	0.59	215.69	-8.1	5961.5>>	-3.4
	92	40044.92	0.64	216.85	-9.1	1565.7<<	-3.4
	93	40045.01	0.59	59.93	-8.1	6120.0>>	-4.0
	93	40044.92	0.64	61.10	-9.1	1725.5<<	-4.1
BARRA	93	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	93	40041.29	0.64	123.22	-12.0	6079.9>>	-3.9
	93	40041.14	0.69	124.38	-13.0	1685.4<<	-3.8
	94	40041.29	0.64	-32.54	-12.0	6132.1>>	-4.3
	94	40041.14	0.69	-31.37	-13.0	1739.0<<	-4.4
BARRA	94	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	94	40036.32	0.64	129.77	-12.0	6137.9>>	-4.3
	94	40036.17	0.69	130.93	-13.0	1744.7<<	-4.4
	95	40036.32	0.64	-25.99	-12.0	6197.6>>	-5.1
	95	40036.17	0.69	-24.82	-13.0	1805.7<<	-5.2
BARRA	95	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	95	40018.00	-1.39	35.02	-17.4	6157.2>>	-4.4
	95	40017.80	-1.34	36.18	-18.4	1765.4<<	-4.3
	96	40018.00	-1.39	-120.74	-17.4	6107.7>>	-2.7
	96	40017.80	-1.34	-119.58	-18.4	1717.2<<	-2.8
BARRA	96	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	96	42298.08	-1.39	41.35	-17.4	9389.6>>	-2.7
	96	42297.87	-1.34	42.51	-18.4	4999.1<<	-2.8
	97	42298.08	-1.39	-114.41	-17.4	9347.9>>	-1.1
	97	42297.87	-1.34	-113.25	-18.4	4958.7<<	-1.2

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	97	42294.57	-6.48	-52.54	-19.3	9322.8>>	-0.1
	97	42294.31	-6.43	-51.39	-20.3	4933.6<<	-0.1
	98	42294.57	-6.48	-208.30	-19.3	9172.6>>	7.3
	98	42294.31	-6.43	-207.14	-20.3	4784.8<<	7.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	98	42287.78	-6.48	-46.39	-19.3	9190.9>>	7.3
	98	42287.51	-6.43	-45.23	-20.3	4803.0<<	7.3
	99	42287.78	-6.48	-202.15	-19.3	9048.1>>	14.7
	99	42287.51	-6.43	-200.99	-20.3	4661.5<<	14.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	99	42283.59	-14.30	-140.88	-18.5	9024.3>>	15.3
	99	42283.27	-14.24	-139.73	-19.6	4637.8<<	15.3
	100	42283.59	-14.30	-296.64	-18.5	8773.0>>	31.7
	100	42283.27	-14.24	-295.49	-19.6	4387.8<<	31.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	100	42273.83	-14.30	-135.71	-18.5	8790.4>>	31.7
	100	42273.50	-14.24	-134.56	-19.6	4405.2<<	31.7
	101	42273.83	-14.30	-291.46	-18.5	8544.8>>	48.0
	101	42273.50	-14.24	-290.31	-19.6	4160.9<<	47.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	101	42267.55	-20.50	-231.20	-16.8	8520.0>>	47.6
	101	42267.16	-20.44	-230.09	-18.1	4136.1<<	47.6
	102	42267.55	-20.50	-386.96	-16.8	8164.4>>	71.0
	102	42267.16	-20.44	-385.84	-18.1	3781.7<<	71.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	102	42254.84	-20.50	-226.22	-16.8	8178.8>>	71.0
	102	42254.46	-20.44	-225.11	-18.1	3796.1<<	71.0
	103	42254.84	-20.50	-381.98	-16.8	7829.2>>	94.8
	103	42254.46	-20.44	-380.86	-18.1	3447.9<<	94.7

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	103	42241.11	-13.75	-323.33	-13.6	7800.0>>	95.4
	103	42240.66	-13.68	-322.29	-15.2	3418.5<<	95.3
	104	42241.11	-13.75	-479.09	-13.6	7338.8>>	111.2
	104	42240.66	-13.68	-478.05	-15.2	2958.5<<	111.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	104	42183.69	-13.75	-326.09	-13.6	7362.5>>	111.2
	104	42183.24	-13.68	-325.05	-15.2	2982.2<<	111.0
	105	42183.69	-13.75	-481.84	-13.6	6897.8>>	126.8
	105	42183.24	-13.68	-480.80	-15.2	2518.7<<	126.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	105	42086.55	29.11	-433.57	-10.2	6869.4>>	133.3
	105	42086.05	29.13	-432.69	-12.4	2490.0<<	133.3
	106	42086.55	29.11	-589.33	-10.2	6281.2>>	99.8
	106	42086.05	29.13	-588.45	-12.4	1902.8<<	99.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	106	42007.12	29.11	-443.32	-10.2	6278.1>>	99.8
	106	42006.62	29.13	-442.44	-12.4	1899.8<<	99.7
	107	42007.12	29.11	-599.08	-10.2	5678.8>>	66.4
	107	42006.62	29.13	-598.20	-12.4	1301.5<<	66.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	107	41830.85	149.14	-1894.56	-5.3	5617.6>>	74.1
	107	41830.31	148.98	-1893.96	-8.5	1239.8<<	74.3
	108	41825.87	149.14	-2050.31	-5.3	3348.0>>	-97.2
	108	41825.33	148.98	-2049.72	-8.5	-1029.1<<	-96.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	108	51144.08	149.14	-2174.58	-5.3	8368.2>>	-97.2
	108	51143.54	148.98	-2173.99	-8.5	3991.1<<	-96.8
	109	51137.66	149.14	-2375.25	-5.3	5751.0>>	-268.9
	109	51137.12	148.98	-2374.66	-8.5	1374.6<<	-268.3

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	109	51162.48	16.50	-1747.39	5.9	5669.4>>	-225.8
	109	51162.00	16.57	-1746.87	2.1	1292.8<<	-225.7
	110	51162.48	16.50	-1948.06	5.9	3544.4>>	-244.6
	110	51162.00	16.57	-1947.54	2.1	-831.6<<	-244.7
BARRA	110	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	110	51189.76	16.50	-3161.92	5.9	3584.0>>	-244.6
	110	51189.27	16.57	-3161.39	2.1	-792.0<<	-244.7
	111	51189.76	16.50	-3362.58	5.9	-167.6>>	-263.8
	111	51189.27	16.57	-3362.06	2.1	-4543.0<<	-263.8
BARRA	111	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	111	51408.75	-48.70	3348.11	2.1	-33.3>>	-265.6
	111	51408.40	-48.69	3313.06	-0.9	-4408.3<<	-265.9
	112	51408.75	-48.70	3147.44	2.1	3701.7>>	-209.8
	112	51408.40	-48.69	3112.39	-0.9	-713.6<<	-210.1
BARRA	112	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	112	51582.92	-48.70	2036.98	2.1	3849.3>>	-209.8
	112	51582.57	-48.69	2001.92	-0.9	-566.0<<	-210.1
	113	51582.92	-48.70	1836.31	2.1	6076.4>>	-153.7
	113	51582.57	-48.69	1801.25	-0.9	1620.7<<	-154.1
BARRA	113	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	113	51668.70	-152.13	2363.21	5.3	6092.5>>	-167.7
	113	51669.61	-152.40	2328.65	3.8	1637.7<<	-168.1
	114	51675.12	-152.13	2162.54	5.3	8696.2>>	7.5
	114	51676.03	-152.40	2127.98	3.8	4201.6<<	7.3
BARRA	114	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	114	42066.54	-152.13	1692.10	5.3	3493.8>>	7.5
	114	42067.45	-152.40	1657.55	3.8	-1000.8<<	7.3
	115	42071.53	-152.13	1536.35	5.3	5351.1>>	182.6
	115	42072.43	-152.40	1501.79	3.8	816.8<<	182.8

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	115	42130.11	-8.90	256.38	12.1	5344.0>>	133.3
	115	42129.97	-9.02	222.04	11.7	810.1<<	133.2
	116	42130.11	-8.90	100.63	12.1	5549.4>>	143.6
	116	42129.97	-9.02	66.29	11.7	976.1<<	143.6
BARRA	116	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	116	39840.15	-8.90	271.42	12.1	2173.8>>	143.6
	116	39840.00	-9.02	237.08	11.7	-2399.6<<	143.6
	117	39840.15	-8.90	115.66	12.1	2396.3>>	153.6
	117	39840.00	-9.02	81.32	11.7	-2216.5<<	153.7
BARRA	117	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	117	39851.65	30.59	197.86	12.2	2350.6>>	145.0
	117	39851.61	30.50	163.61	12.4	-2261.9<<	145.0
	118	39851.65	30.59	42.11	12.2	2488.6>>	110.0
	118	39851.61	30.50	7.85	12.4	-2163.4<<	110.1
BARRA	118	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	118	39877.03	30.59	224.39	12.2	2480.5>>	110.0
	118	39876.98	30.50	190.13	12.4	-2171.5<<	110.1
	119	39877.03	30.59	68.63	12.2	2649.1>>	74.9
	119	39876.98	30.50	34.37	12.4	-2042.3<<	75.0
BARRA	119	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	119	39900.69	25.78	150.97	11.6	2595.3>>	79.1
	119	39900.75	25.69	116.80	12.4	-2095.9<<	79.0
	120	39900.69	25.78	-4.79	11.6	2679.5>>	49.4
	120	39900.75	25.69	-38.95	12.4	-2051.0<<	49.5
BARRA	120	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	120	39922.37	25.78	180.41	11.6	2666.0>>	49.4
	120	39922.43	25.69	146.24	12.4	-2064.5<<	49.5
	121	39922.37	25.78	24.65	11.6	2784.0>>	20.0
	121	39922.43	25.69	-9.52	12.4	-1985.8<<	20.1

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	121	39947.25	12.25	109.37	11.4	2727.0>>	24.5
	121	39947.42	12.16	75.30	12.8	-2042.6<<	24.4
	122	39947.25	12.25	-46.38	11.4	2762.9>>	10.3
	122	39947.42	12.16	-80.45	12.8	-2045.9<<	10.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	122	39964.84	12.25	138.56	11.4	2747.5>>	10.3
	122	39965.01	12.16	104.49	12.8	-2061.3<<	10.3
	123	39964.84	12.25	-17.19	11.4	2817.4>>	-3.7
	123	39965.01	12.16	-51.26	12.8	-2030.5<<	-3.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	123	39984.78	2.88	69.55	11.2	2759.9>>	-1.8
	123	39985.05	2.79	35.58	13.1	-2087.9<<	-1.9
	124	39984.78	2.88	-86.20	11.2	2750.5>>	-5.0
	124	39985.05	2.79	-120.18	13.1	-2136.3<<	-5.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	124	39998.57	2.88	100.11	11.2	2735.7>>	-5.0
	124	39998.85	2.79	66.13	13.1	-2151.1<<	-5.0
	125	39998.57	2.88	-55.65	11.2	2761.2>>	-8.2
	125	39998.85	2.79	-89.63	13.1	-2164.6<<	-8.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	125	40012.11	-0.92	31.70	11.6	2706.0>>	-8.3
	125	40012.50	-1.01	-2.18	13.9	-2219.7<<	-8.4
	126	40012.11	-0.92	-124.05	11.6	2653.0>>	-7.1
	126	40012.50	-1.01	-157.94	13.9	-2311.7<<	-7.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	126	40021.56	-0.92	63.70	11.6	2641.5>>	-7.1
	126	40021.95	-1.01	29.82	13.9	-2323.1<<	-7.1
	127	40021.56	-0.92	-92.05	11.6	2625.0>>	-6.1
	127	40021.95	-1.01	-125.94	13.9	-2378.6<<	-5.9

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	127	40029.50	-1.20	-4.78	11.6	2573.9>>	-7.0
	127	40029.99	-1.29	-38.58	14.4	-2429.6<<	-7.1
	128	40029.50	-1.20	-160.54	11.6	2478.9>>	-5.7
	128	40029.99	-1.29	-194.34	14.4	-2563.4<<	-5.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	128	40034.75	-1.20	27.02	11.6	2472.0>>	-5.7
	128	40035.25	-1.29	-6.78	14.4	-2570.3<<	-5.7
	129	40034.75	-1.20	-128.74	11.6	2413.6>>	-4.2
	129	40035.25	-1.29	-162.53	14.4	-2667.6<<	-4.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	129	40037.91	-0.34	-40.43	11.1	2366.7>>	-5.1
	129	40038.52	-0.43	-74.14	14.3	-2714.3<<	-5.2
	130	40037.91	-0.34	-196.18	11.1	2230.5>>	-4.7
	130	40038.52	-0.43	-229.90	14.3	-2889.2<<	-4.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	130	40038.06	-0.34	-13.10	11.1	2230.1>>	-4.7
	130	40038.66	-0.43	-46.81	14.3	-2889.7<<	-4.6
	131	40038.06	-0.34	-168.85	11.1	2125.7>>	-4.2
	131	40038.66	-0.43	-202.57	14.3	-3032.9<<	-4.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	131	40035.28	-0.08	-90.45	9.4	2085.7>>	-4.9
	131	40035.99	-0.17	-124.08	13.0	-3072.7<<	-4.9
	132	40035.28	-0.08	-246.21	9.4	1892.2>>	-4.6
	132	40035.99	-0.17	-279.84	13.0	-3304.9<<	-4.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	132	40030.59	-0.08	-68.44	9.4	1897.8>>	-4.6
	132	40031.31	-0.17	-102.07	13.0	-3299.3<<	-4.5
	133	40030.59	-0.08	-224.20	9.4	1729.5>>	-4.5
	133	40031.31	-0.17	-257.83	13.0	-3506.2<<	-4.3

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	133	40024.77	-1.85	-147.28	5.6	1692.3>>	-4.6
	133	40025.59	-1.94	-180.82	9.5	-3543.3<<	-4.6
	134	40024.77	-1.85	-303.03	5.6	1433.8>>	-2.3
	134	40025.59	-1.94	-336.58	9.5	-3840.4<<	-2.3
BARRA	134	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	134	46429.49	-1.85	-125.64	5.6	5168.2>>	-2.3
	134	46430.32	-1.94	-159.19	9.5	-106.0<<	-2.3
	135	46429.49	-1.85	-281.40	5.6	4934.0>>	-0.3
	135	46430.32	-1.94	-314.95	9.5	-378.7<<	-0.2
BARRA	135	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	135	46465.23	-6.83	-203.01	5.2	4918.9>>	-0.1
	135	46466.17	-6.92	-236.47	9.5	-393.7<<	-0.1
	136	46465.23	-6.83	-358.76	5.2	4596.0>>	7.7
	136	46466.17	-6.92	-392.23	9.5	-755.1<<	7.8
BARRA	136	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	136	46465.13	-6.83	-182.90	5.2	4616.5>>	7.7
	136	46466.07	-6.92	-216.37	9.5	-734.6<<	7.8
	137	46465.13	-6.83	-338.66	5.2	4316.6>>	15.6
	137	46466.07	-6.92	-372.13	9.5	-1073.0<<	15.8
BARRA	137	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	137	46467.31	-14.60	-260.79	7.5	4296.4>>	15.5
	137	46468.37	-14.70	-294.18	12.2	-1093.0<<	15.4
	138	46467.31	-14.60	-416.55	7.5	3907.3>>	32.0
	138	46468.37	-14.70	-449.93	12.2	-1520.5<<	32.1
BARRA	138	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	138	46463.57	-14.60	-241.23	7.5	3927.7>>	32.0
	138	46464.62	-14.70	-274.62	12.2	-1500.2<<	32.1
	139	46463.57	-14.60	-396.99	7.5	3560.2>>	48.9
	139	46464.62	-14.70	-430.37	12.2	-1906.0<<	49.1

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	139	46463.20	-20.80	-320.99	10.9	3538.8>>	47.6
	139	46464.38	-20.89	-354.30	16.2	-1927.3<<	47.5
	140	46463.20	-20.80	-476.75	10.9	3080.3>>	71.4
	140	46464.38	-20.89	-510.05	16.2	-2424.1<<	71.5
BARRA	140	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	140	46455.66	-20.80	-301.67	10.9	3097.6>>	71.4
	140	46456.85	-20.89	-334.97	16.2	-2406.8<<	71.5
	141	46455.66	-20.80	-457.42	10.9	2661.0>>	95.3
	141	46456.85	-20.89	-490.73	16.2	-2881.7<<	95.5
BARRA	141	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	141	46447.29	-13.93	-383.45	15.3	2635.0>>	94.9
	141	46448.60	-14.01	-416.71	20.9	-2907.5<<	94.8
	142	46447.29	-13.93	-539.21	15.3	2104.5>>	110.8
	142	46448.60	-14.01	-572.47	20.9	-3476.3<<	110.8
BARRA	142	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	142	46391.41	-13.93	-373.28	15.3	2134.7>>	110.8
	142	46392.72	-14.01	-406.54	20.9	-3446.1<<	110.8
	143	46391.41	-13.93	-529.04	15.3	1615.8>>	126.9
	143	46392.72	-14.01	-562.30	20.9	-4003.3<<	127.0
BARRA	143	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	143	46296.11	28.99	-465.91	20.2	1594.9>>	132.4
	143	46297.55	28.94	-499.21	26.0	-4024.2<<	132.3
	144	46296.11	28.99	-621.66	20.2	969.7>>	98.9
	144	46297.55	28.94	-654.97	26.0	-4687.6<<	98.8
BARRA	144	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	144	46218.41	28.99	-462.99	20.2	972.4>>	98.9
	144	46219.85	28.94	-496.29	26.0	-4685.0<<	98.8
	145	46218.41	28.99	-618.74	20.2	350.2>>	65.8
	145	46219.85	28.94	-652.05	26.0	-5345.5<<	65.7

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	145	46041.46	149.41	-2034.88	27.1	294.2>>	70.7
	145	46042.00	149.47	-2068.28	33.2	-5401.5<<	70.1
	146	46036.47	149.41	-2190.64	27.1	-2137.1>>	-100.9
	146	46037.01	149.47	-2224.04	33.2	-7871.2<<	-101.7
BARRA	146	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	146	56720.40	149.41	-2087.83	27.1	2948.4>>	-100.9
	146	56720.94	149.47	-2121.23	33.2	-2785.7<<	-101.7
	147	56713.98	149.41	-2288.50	27.1	431.0>>	-273.3
	147	56714.52	149.47	-2321.90	33.2	-5341.5<<	-274.1
BARRA	147	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	147	56945.54	15.69	-1541.62	37.6	494.2>>	-226.0
	147	56947.01	15.53	-1574.95	43.9	-5278.4<<	-226.1
	148	56945.54	15.69	-1742.29	37.6	-1394.2>>	-244.1
	148	56947.01	15.53	-1775.62	43.9	-7205.1<<	-244.0
BARRA	148	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	148	57129.99	15.69	-3137.81	37.6	-1224.4>>	-244.1
	148	57131.46	15.53	-3171.14	43.9	-7035.3<<	-244.0
	149	57129.99	15.69	-3338.48	37.6	-4948.3>>	-262.1
	149	57131.46	15.53	-3371.80	43.9	-10797.6<<	-261.8
BARRA	149	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	149	57340.39	-48.96	4091.67	25.3	-4831.2>>	-262.4
	149	57341.72	-49.04	4235.78	30.8	-10680.9<<	-261.8
	150	57340.39	-48.96	3891.00	25.3	-241.1>>	-206.2
	150	57341.72	-49.04	4035.11	30.8	-5925.1<<	-205.6
BARRA	150	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	150	57515.86	-48.96	2939.27	25.3	-99.0>>	-206.2
	150	57517.19	-49.04	3083.38	30.8	-5783.0<<	-205.6
	151	57515.86	-48.96	2738.61	25.3	3166.0>>	-150.1
	151	57517.19	-49.04	2882.71	30.8	-2352.2<<	-149.3

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	151	57594.04	-149.43	3513.92	15.1	3191.7>>	-163.8
	151	57590.60	-149.08	3657.63	19.0	-2327.2<<	-162.9
	152	57600.46	-149.43	3313.25	15.1	7119.3>>	8.2
	152	57597.02	-149.08	3456.96	19.0	1765.7<<	8.7
BARRA	152	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	152	46714.01	-149.43	2516.59	15.1	1899.6>>	8.2
	152	46710.57	-149.08	2660.30	19.0	-3454.0<<	8.7
	153	46718.99	-149.43	2360.84	15.1	4705.7>>	180.1
	153	46715.55	-149.08	2504.54	19.0	-482.5<<	180.2
BARRA	153	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	153	46800.00	-8.17	918.81	10.5	4698.6>>	133.6
	153	46801.16	-8.03	1062.06	12.4	-490.4<<	133.9
	154	46800.00	-8.17	763.05	10.5	5665.8>>	142.7
	154	46801.16	-8.03	906.30	12.4	641.4<<	142.8
BARRA	154	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	154	48594.54	-8.17	920.38	10.5	2743.3>>	142.7
	154	48595.70	-8.03	1063.63	12.4	-2281.1<<	142.8
	155	48594.54	-8.17	764.62	10.5	3712.0>>	152.3
	155	48595.70	-8.03	907.87	12.4	-1147.6<<	152.4
BARRA	155	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	155	48603.55	31.00	832.40	1.4	3662.9>>	145.2
	155	48604.64	31.10	975.20	1.6	-1197.5<<	145.4
	156	48603.55	31.00	676.65	1.4	4530.8>>	109.5
	156	48604.64	31.10	819.44	1.6	-165.3<<	109.6
BARRA	156	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	156	48629.19	31.00	847.65	1.4	4525.5>>	109.5
	156	48630.29	31.10	990.44	1.6	-170.7<<	109.6
	157	48629.19	31.00	691.89	1.4	5410.7>>	74.0
	157	48630.29	31.10	834.68	1.6	878.8<<	74.0

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	157	48652.71	26.18	760.41	-7.3	5356.3>>	79.5
	157	48653.73	26.26	902.80	-8.8	823.6<<	79.6
	158	48652.71	26.18	604.65	-7.3	6141.2>>	49.2
	158	48653.73	26.26	747.05	-8.8	1772.3<<	49.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	158	48675.21	26.18	777.81	-7.3	6129.7>>	49.2
	158	48676.23	26.26	920.21	-8.8	1760.8<<	49.2
	159	48675.21	26.18	622.06	-7.3	6934.5>>	19.3
	159	48676.23	26.26	764.45	-8.8	2729.3<<	19.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	159	48700.64	12.70	692.94	-15.3	6876.1>>	24.7
	159	48701.58	12.77	834.96	-18.6	2670.2<<	24.8
	160	48700.64	12.70	537.19	-15.3	7583.3>>	10.3
	160	48701.58	12.77	679.20	-18.6	3540.7<<	10.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	160	48750.97	12.70	707.95	-15.3	7544.5>>	10.3
	160	48751.92	12.77	849.97	-18.6	3501.9<<	10.4
	161	48750.97	12.70	552.20	-15.3	8269.0>>	-4.3
	161	48751.92	12.77	694.21	-18.6	4389.7<<	-4.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	161	48834.75	3.44	618.88	-21.9	8154.4>>	-1.3
	161	48835.62	3.50	760.52	-26.9	4274.5<<	-1.2
	162	48834.75	3.44	463.12	-21.9	8776.6>>	-5.3
	162	48835.62	3.50	604.77	-26.9	5059.5<<	-5.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	162	48913.64	3.44	634.35	-21.9	8699.8>>	-5.3
	162	48914.51	3.50	776.00	-26.9	4982.7<<	-5.3
	163	48913.64	3.44	478.60	-21.9	9339.6>>	-9.1
	163	48914.51	3.50	620.24	-26.9	5785.4<<	-9.2

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	163	48992.43	-0.18	550.59	-27.8	9213.6>>	-8.0
	163	48993.21	-0.12	691.86	-34.5	5658.7<<	-7.9
	164	48992.43	-0.18	394.83	-27.8	9757.3>>	-7.9
	164	48993.21	-0.12	536.11	-34.5	6365.0<<	-7.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	164	49067.74	-0.18	568.49	-27.8	9672.3>>	-7.9
	164	49068.52	-0.12	709.76	-34.5	6279.9<<	-7.9
	165	49067.74	-0.18	412.73	-27.8	10236.5>>	-7.4
	165	49068.52	-0.12	554.01	-34.5	7006.6<<	-7.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	165	49141.66	-0.42	488.51	-33.0	10104.3>>	-7.3
	165	49142.36	-0.36	629.42	-41.4	6873.7<<	-7.2
	166	49141.66	-0.42	332.76	-33.0	10576.6>>	-6.8
	166	49142.36	-0.36	473.67	-41.4	7508.1<<	-6.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	166	49213.76	-0.42	510.59	-33.0	10487.5>>	-6.8
	166	49214.45	-0.36	651.50	-41.4	7419.0<<	-6.8
	167	49213.76	-0.42	354.84	-33.0	10985.2>>	-6.2
	167	49214.45	-0.36	495.75	-41.4	8078.8<<	-6.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	167	49283.72	0.17	434.91	-37.9	10851.7>>	-6.1
	167	49284.33	0.24	575.45	-47.9	7944.6<<	-6.0
	168	49283.72	0.17	279.15	-37.9	11262.1>>	-6.2
	168	49284.33	0.24	419.70	-47.9	8516.7<<	-6.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	168	49352.11	0.17	459.59	-37.9	11174.0>>	-6.2
	168	49352.72	0.24	600.14	-47.9	8428.6<<	-6.1
	169	49352.11	0.17	303.83	-37.9	11613.1>>	-6.4
	169	49352.72	0.24	444.38	-47.9	9029.2<<	-6.4

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BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	169	49417.05	-0.56	378.85	-42.4	11484.7>>	-5.7
	169	49417.57	-0.48	519.04	-54.0	8900.3<<	-5.6
	170	49417.05	-0.56	223.09	-42.4	11830.6>>	-5.0
	170	49417.57	-0.48	363.28	-54.0	9407.4<<	-5.0
BARRA	170	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	170	49479.29	-0.56	393.28	-42.4	11750.4>>	-5.0
	170	49479.81	-0.48	533.47	-54.0	9327.2<<	-5.0
	171	49479.29	-0.56	237.53	-42.4	12113.2>>	-4.3
	171	49479.81	-0.48	377.72	-54.0	9851.2<<	-4.4
BARRA	171	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	171	49540.88	-4.38	308.38	-47.1	11992.3>>	-2.9
	171	49541.30	-4.31	448.21	-60.4	9729.7<<	-2.8
	172	49540.88	-4.38	152.62	-47.1	12257.2>>	2.1
	172	49541.30	-4.31	292.45	-60.4	10155.5<<	2.2
BARRA	172	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	172	49582.01	-4.38	323.99	-47.1	12209.3>>	2.1
	172	49582.43	-4.31	463.83	-60.4	10107.6<<	2.2
	173	49582.01	-4.38	168.24	-47.1	12492.4>>	7.1
	173	49582.43	-4.31	308.07	-60.4	10551.5<<	7.1
BARRA	173	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	173	49499.04	-12.14	235.24	-51.9	12528.8>>	8.5
	173	49499.34	-12.09	374.72	-66.7	10587.3<<	8.7
	174	49499.04	-12.14	79.49	-51.9	12709.6>>	22.4
	174	49499.34	-12.09	218.97	-66.7	10928.6<<	22.5
BARRA	174	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	174	49262.52	-12.14	244.72	-51.9	12752.6>>	22.4
	174	49262.83	-12.09	384.20	-66.7	10971.5<<	22.5
	175	49262.52	-12.14	88.96	-51.9	12944.5>>	36.3
	175	49262.83	-12.09	228.44	-66.7	11323.8<<	36.4

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	175	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	175	49193.85	-21.64	152.35	-56.7	12982.1>>	37.7
	175	49194.01	-21.67	291.49	-73.0	11360.9<<	38.1
	176	49193.85	-21.64	-3.41	-56.7	13067.6>>	62.5
	176	49194.01	-21.67	135.73	-73.0	11606.5<<	63.0
BARRA	176	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	176	49118.09	-21.64	159.07	-56.7	13145.6>>	62.5
	176	49118.25	-21.67	298.21	-73.0	11684.4<<	63.0
	177	49118.09	-21.64	3.31	-56.7	13239.0>>	87.5
	177	49118.25	-21.67	142.45	-73.0	11937.8<<	88.0
BARRA	177	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	177	49042.97	-24.14	64.32	-61.7	13267.2>>	90.5
	177	49042.95	-24.22	203.28	-79.1	11965.7<<	91.4
	178	49042.97	-24.14	-91.44	-61.7	13251.5>>	118.3
	178	49042.95	-24.22	47.52	-79.1	12109.7<<	119.3
BARRA	178	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	178	48963.53	-24.14	67.37	-61.7	13317.4>>	118.3
	178	48963.50	-24.22	206.33	-79.1	12175.7<<	119.3
	179	48963.53	-24.14	-88.38	-61.7	13305.2>>	146.0
	179	48963.50	-24.22	50.57	-79.1	12323.3<<	147.2
BARRA	179	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	179	48870.70	2.54	-31.63	-66.4	13318.0>>	154.4
	179	48870.42	2.58	107.62	-83.5	12336.1<<	156.0
	180	48870.70	2.54	-187.39	-66.4	13191.8>>	151.4
	180	48870.42	2.58	-48.14	-83.5	12370.1<<	152.9
BARRA	180	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	180	48787.55	2.54	-31.82	-66.4	13239.9>>	151.4
	180	48787.27	2.58	107.43	-83.5	12418.2<<	152.9
	181	48787.55	2.54	-187.57	-66.4	13113.8>>	148.5
	181	48787.27	2.58	-48.32	-83.5	12452.2<<	150.0

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	181	48627.62	103.79	-1688.39	-66.0	13106.2>>	160.0
	181	48631.33	104.36	-1548.15	-80.5	12445.8<<	162.5
	182	48622.64	103.79	-1844.14	-66.0	11073.8>>	40.6
	182	48626.34	104.36	-1703.90	-80.5	10574.8<<	42.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	182	48541.69	103.79	-1691.89	-66.0	11100.9>>	40.6
	182	48545.39	104.36	-1551.65	-80.5	10601.8<<	42.4
	183	48535.27	103.79	-1892.56	-66.0	9038.7>>	-79.0
	183	48538.97	104.36	-1752.32	-80.5	8701.0<<	-77.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	183	48531.24	-12.73	-279.90	-51.7	9015.7>>	-37.9
	183	48531.01	-12.67	-137.34	-58.8	8682.0<<	-37.4
	184	48531.24	-12.73	-480.57	-51.7	8578.4>>	-23.2
	184	48531.01	-12.67	-338.00	-58.8	8408.7<<	-22.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	184	48456.26	-12.73	-369.01	-51.7	8579.0>>	-23.2
	184	48456.03	-12.67	-226.44	-58.8	8409.3<<	-22.8
	185	48456.26	-12.73	-569.68	-51.7	8039.0>>	-8.7
	185	48456.03	-12.67	-427.11	-58.8	8033.2<<	-8.4

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	801	39578.42	-15.59	-464.42	-43.9	7098.9>>	7.9
	801	39577.33	-15.29	-631.34	-50.9	7093.2<<	7.6
	802	39578.42	-15.59	-665.09	-43.9	6449.2>>	26.0
	802	39577.33	-15.29	-832.01	-50.9	6251.7<<	25.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	802	39727.21	-15.59	-501.98	-43.9	6452.2>>	26.0
	802	39726.12	-15.29	-668.90	-50.9	6254.6<<	25.4
	803	39727.21	-15.59	-702.65	-43.9	5759.6>>	43.8
	803	39726.12	-15.29	-869.57	-50.9	5370.1<<	42.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	803	39842.83	100.64	694.65	-46.5	5781.0>>	81.3
	803	39846.64	101.19	530.02	-60.6	5387.5<<	79.7
	804	39849.25	100.64	493.98	-46.5	6464.7>>	-34.6
	804	39853.06	101.19	329.35	-60.6	5881.8<<	-36.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	804	40006.03	100.64	718.36	-46.5	6425.3>>	-34.6
	804	40009.84	101.19	553.73	-60.6	5842.4<<	-36.7
	805	40011.01	100.64	562.61	-46.5	7162.4>>	-150.3
	805	40014.82	101.19	397.97	-60.6	6390.1<<	-153.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	805	40212.54	1.95	-594.13	-36.7	7159.6>>	-142.9
	805	40211.67	1.99	-757.82	-53.1	6386.3<<	-144.5
	806	40212.54	1.95	-749.89	-36.7	6386.9>>	-145.3
	806	40211.67	1.99	-913.57	-53.1	5425.4<<	-146.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	806	40369.74	1.95	-521.76	-36.7	6319.4>>	-145.3
	806	40368.86	1.99	-685.45	-53.1	5357.9<<	-146.9
	807	40369.74	1.95	-677.52	-36.7	5630.0>>	-147.4
	807	40368.86	1.99	-841.20	-53.1	4480.2<<	-149.0

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	807	40533.20	-24.81	-546.78	-23.3	5598.8>>	-143.6
	807	40532.63	-24.86	-710.23	-39.7	4449.1<<	-144.7
	808	40533.20	-24.81	-702.54	-23.3	4880.2>>	-114.9
	808	40532.63	-24.86	-865.99	-39.7	3542.5<<	-116.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	808	40682.49	-24.81	-468.06	-23.3	4791.6>>	-114.9
	808	40681.92	-24.86	-631.51	-39.7	3453.9<<	-116.0
	809	40682.49	-24.81	-623.82	-23.3	4163.9>>	-86.5
	809	40681.92	-24.86	-787.27	-39.7	2638.3<<	-87.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	809	40823.63	-23.31	-486.77	-11.7	4116.2>>	-88.1
	809	40823.32	-23.29	-650.47	-26.8	2591.1<<	-88.5
	810	40823.63	-23.31	-642.52	-11.7	3466.9>>	-61.3
	810	40823.32	-23.29	-806.23	-26.8	1753.5<<	-61.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	810	40965.36	-23.31	-399.74	-11.7	3367.9>>	-61.3
	810	40965.04	-23.29	-563.44	-26.8	1654.4<<	-61.7
	811	40965.36	-23.31	-555.49	-11.7	2818.8>>	-34.4
	811	40965.04	-23.29	-719.20	-26.8	917.1<<	-34.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	811	41096.01	-14.84	-411.29	-2.7	2765.2>>	-37.6
	811	41095.91	-14.73	-575.40	-16.0	864.1<<	-37.5
	812	41096.01	-14.84	-567.05	-2.7	2202.5>>	-20.6
	812	41095.91	-14.73	-731.16	-16.0	112.7<<	-20.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	812	41185.40	-14.84	-318.29	-2.7	2153.6>>	-20.6
	812	41185.30	-14.73	-482.40	-16.0	63.8<<	-20.7
	813	41185.40	-14.84	-474.05	-2.7	1698.2>>	-3.6
	813	41185.30	-14.73	-638.15	-16.0	-500.3<<	-3.9

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	813	41145.86	-7.69	-323.31	4.1	1857.9>>	-6.4
	813	41145.96	-7.55	-487.84	-7.3	-419.9<<	-6.2
	814	41145.86	-7.69	-479.06	4.1	1396.5>>	2.4
	814	41145.96	-7.55	-643.60	-7.3	-1070.5<<	2.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	814	41112.45	-7.69	-237.36	4.1	1509.7>>	2.4
	814	41112.54	-7.55	-401.90	-7.3	-957.3<<	2.4
	815	41112.45	-7.69	-393.12	4.1	1147.0>>	11.4
	815	41112.54	-7.55	-557.65	-7.3	-1509.2<<	11.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	815	41073.48	-2.82	-260.77	7.2	1305.3>>	8.5
	815	41073.75	-2.68	-425.72	-2.3	-1350.2<<	8.7
	816	41073.48	-2.82	-416.52	7.2	915.9>>	11.8
	816	41073.75	-2.68	-581.48	-2.3	-1929.3<<	11.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	816	43009.77	-2.82	-188.26	7.2	4208.7>>	11.8
	816	43010.04	-2.68	-353.22	-2.3	1363.5<<	11.8
	817	43009.77	-2.82	-344.02	7.2	3902.7>>	15.1
	817	43010.04	-2.68	-508.97	-2.3	867.8<<	15.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	817	42969.28	2.59	-215.50	6.4	4066.7>>	12.8
	817	42969.72	2.72	-380.89	-1.1	1032.5<<	12.9
	818	42969.28	2.59	-371.26	6.4	3729.3>>	9.9
	818	42969.72	2.72	-536.64	-1.1	505.0<<	9.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	818	42929.76	2.59	-146.32	6.4	3850.0>>	9.9
	818	42930.20	2.72	-311.70	-1.1	625.7<<	9.9
	819	42929.76	2.59	-302.08	6.4	3592.2>>	6.9
	819	42930.20	2.72	-467.46	-1.1	177.6<<	6.8

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	819	42882.04	12.09	-180.67	6.7	3751.0>>	6.3
	819	42882.65	12.20	-346.49	1.2	337.2<<	6.4
	820	42882.04	12.09	-336.43	6.7	3453.8>>	-7.6
	820	42882.65	12.20	-502.24	1.2	-150.7<<	-7.6
BARRA	820	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	820	42865.96	12.09	-113.92	6.7	3520.3>>	-7.6
	820	42866.56	12.20	-279.74	1.2	-84.1<<	-7.6
	821	42865.96	12.09	-269.68	6.7	3299.6>>	-21.4
	821	42866.56	12.20	-435.49	1.2	-495.5<<	-21.6
BARRA	821	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	821	42838.98	25.33	-147.00	8.4	3370.4>>	-19.7
	821	42839.75	25.43	-313.26	4.7	-424.0<<	-19.6
	822	42838.98	25.33	-302.76	8.4	3112.0>>	-48.9
	822	42839.75	25.43	-469.01	4.7	-673.6<<	-48.8
BARRA	822	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	822	42815.56	25.33	-79.56	8.4	3138.3>>	-48.9
	822	42816.33	25.43	-245.82	4.7	-847.3<<	-48.8
	823	42815.56	25.33	-235.32	8.4	2957.2>>	-78.0
	823	42816.33	25.43	-401.57	4.7	-1219.6<<	-78.0
BARRA	823	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	823	42788.13	29.80	-115.48	10.7	3023.5>>	-76.4
	823	42789.05	29.91	-282.19	9.0	-1152.5<<	-76.1
	824	42788.13	29.80	-271.24	10.7	2801.1>>	-110.6
	824	42789.05	29.91	-437.95	9.0	-1566.6<<	-110.5
BARRA	824	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	824	42761.39	29.80	-51.18	10.7	2818.5>>	-110.6
	824	42762.31	29.91	-217.89	9.0	-1549.2<<	-110.5
	825	42761.39	29.80	-206.94	10.7	2670.1>>	-144.9
	825	42762.31	29.91	-373.65	9.0	-1889.2<<	-144.9

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	825	42699.81	-10.11	-97.50	13.9	2745.2>>	-156.4
	825	42700.87	-9.94	-264.71	14.2	-1813.3<<	-156.0
	826	42699.81	-10.11	-253.26	13.9	2543.2>>	-144.6
	826	42700.87	-9.94	-420.47	14.2	-2207.6<<	-144.5
BARRA	826	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	826	42593.73	-10.11	-49.69	13.9	2557.7>>	-144.6
	826	42594.79	-9.94	-216.90	14.2	-2193.1<<	-144.5
	827	42593.73	-10.11	-205.45	13.9	2411.2>>	-133.1
	827	42594.79	-9.94	-372.66	14.2	-2531.9<<	-133.1
BARRA	827	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	827	42515.63	-154.35	-1467.60	12.0	2445.5>>	-185.8
	827	42511.37	-153.79	-1635.26	14.3	-2496.8<<	-185.3
	828	42510.65	-154.35	-1623.36	12.0	667.4>>	-8.1
	828	42506.39	-153.79	-1791.01	14.3	-4467.8<<	-8.3
BARRA	828	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	828	51812.36	-154.35	-1173.93	12.0	5688.1>>	-8.1
	828	51808.10	-153.79	-1341.59	14.3	552.8<<	-8.3
	829	51805.94	-154.35	-1374.60	12.0	4221.9>>	169.5
	829	51801.68	-153.79	-1542.26	14.3	-1106.2<<	168.7
BARRA	829	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	829	51746.29	-53.73	-792.91	9.8	4261.0>>	153.0
	829	51747.46	-53.29	-961.00	13.7	-1066.4<<	152.4
	830	51746.29	-53.73	-993.58	9.8	3233.9>>	214.8
	830	51747.46	-53.29	-1161.67	13.7	-2286.9<<	213.7
BARRA	830	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	830	51674.14	-53.73	-2796.78	9.8	3200.5>>	214.8
	830	51675.31	-53.29	-2964.87	13.7	-2320.2<<	213.7
	831	51674.14	-53.73	-2997.45	9.8	-131.4>>	276.6
	831	51675.31	-53.29	-3165.54	13.7	-5845.5<<	274.9

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	831	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	831	51557.00	19.44	3562.10	11.8	-147.1>>	272.8
	831	51558.15	18.93	3590.35	16.7	-5860.6<<	271.5
	832	51557.00	19.44	3361.43	11.8	3833.9>>	250.6
	832	51558.15	18.93	3389.68	16.7	-1847.1<<	249.9

BARRA	832	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	832	51544.54	19.44	2437.90	11.8	3826.6>>	250.6
	832	51545.69	18.93	2466.16	16.7	-1854.5<<	249.9
	833	51544.54	19.44	2237.23	11.8	6514.7>>	228.1
	833	51545.69	18.93	2265.49	16.7	866.2<<	227.9

BARRA	833	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	833	51529.50	150.00	2847.44	-2.7	6626.7>>	271.2
	833	51529.76	149.88	2875.67	2.3	978.3<<	271.6
	834	51535.92	150.00	2646.77	-2.7	9787.4>>	98.4
	834	51536.18	149.88	2675.00	2.3	4171.5<<	99.0

BARRA	834	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	834	42041.52	150.00	1905.27	-2.7	4659.5>>	98.4
	834	42041.79	149.88	1933.49	2.3	-956.4<<	99.0
	835	42046.50	150.00	1749.51	-2.7	6762.5>>	-74.2
	835	42046.77	149.88	1777.74	2.3	1179.1<<	-73.5

BARRA	835	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	835	42218.78	29.48	456.22	-6.8	6841.0>>	-65.9
	835	42219.77	29.44	484.30	-1.8	1257.7<<	-65.6
	836	42218.78	29.48	300.46	-6.8	7276.1>>	-99.8
	836	42219.77	29.44	328.54	-1.8	1725.1<<	-99.5

BARRA	836	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	836	39830.39	29.48	454.05	-6.8	3885.1>>	-99.8
	836	39831.37	29.44	482.13	-1.8	-1665.9<<	-99.5
	837	39830.39	29.48	298.29	-6.8	4317.5>>	-133.6
	837	39831.37	29.44	326.37	-1.8	-1201.2<<	-133.3

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	837	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	837	39876.30	-13.51	363.53	-5.7	4356.8>>	-126.7
	837	39877.17	-13.54	391.53	-0.7	-1161.9<<	-126.5
	838	39876.30	-13.51	207.77	-5.7	4685.5>>	-111.1
	838	39877.17	-13.54	235.78	-0.7	-801.0<<	-110.9

BARRA	838	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	838	39899.59	-13.51	374.91	-5.7	4680.6>>	-111.1
	838	39900.46	-13.54	402.92	-0.7	-805.9<<	-110.9
	839	39899.59	-13.51	219.16	-5.7	5022.2>>	-95.6
	839	39900.46	-13.54	247.17	-0.7	-432.0<<	-95.4

BARRA	839	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	839	39921.76	-20.24	285.64	-5.8	5056.3>>	-94.3
	839	39922.53	-20.28	313.66	-1.1	-398.0<<	-94.3
	840	39921.76	-20.24	129.88	-5.8	5295.3>>	-71.2
	840	39922.53	-20.28	157.91	-1.1	-126.9<<	-71.2

BARRA	840	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	840	39941.96	-20.24	299.07	-5.8	5284.7>>	-71.2
	840	39942.72	-20.28	327.09	-1.1	-137.4<<	-71.2
	841	39941.96	-20.24	143.31	-5.8	5538.9>>	-47.8
	841	39942.72	-20.28	171.34	-1.1	149.0<<	-47.7

BARRA	841	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	841	39955.87	-13.98	211.96	-6.5	5568.8>>	-47.4
	841	39956.53	-14.05	240.04	-2.1	178.8<<	-47.5
	842	39955.87	-13.98	56.20	-6.5	5722.7>>	-31.4
	842	39956.53	-14.05	84.28	-2.1	365.0<<	-31.4

BARRA	842	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	842	39972.74	-13.98	225.95	-6.5	5709.5>>	-31.4
	842	39973.40	-14.05	254.04	-2.1	351.8<<	-31.4
	843	39972.74	-13.98	70.20	-6.5	5880.0>>	-15.4
	843	39973.40	-14.05	98.28	-2.1	554.6<<	-15.4

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	843	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	843	39984.24	-6.16	139.36	-7.4	5908.5>>	-14.0
	843	39984.81	-6.24	167.52	-3.4	582.9<<	-14.1
	844	39984.24	-6.16	-16.39	-7.4	5978.9>>	-7.1
	844	39984.81	-6.24	11.76	-3.4	685.8<<	-7.2

BARRA	844	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	844	39997.79	-6.16	154.34	-7.4	5965.4>>	-7.1
	844	39998.35	-6.24	182.49	-3.4	672.2<<	-7.2
	845	39997.79	-6.16	-1.42	-7.4	6053.3>>	0.1
	845	39998.35	-6.24	26.73	-3.4	792.6<<	0.2

BARRA	845	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	845	40008.24	-1.06	69.84	-7.9	6082.5>>	1.9
	845	40008.71	-1.14	98.07	-4.2	821.6<<	1.8
	846	40008.24	-1.06	-85.91	-7.9	6073.5>>	3.0
	846	40008.71	-1.14	-57.69	-4.2	845.1<<	2.9

BARRA	846	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	846	40018.32	-1.06	84.27	-7.9	6061.8>>	3.0
	846	40018.79	-1.14	112.50	-4.2	833.4<<	2.9
	847	40018.32	-1.06	-71.48	-7.9	6068.9>>	4.2
	847	40018.79	-1.14	-43.26	-4.2	872.9<<	4.2

BARRA	847	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	847	40026.89	0.96	0.23	-8.1	6101.0>>	5.8
	847	40027.26	0.88	28.52	-4.8	904.9<<	5.7
	848	40026.89	0.96	-155.53	-8.1	6011.6>>	4.8
	848	40027.26	0.88	-127.23	-4.8	848.0<<	4.8

BARRA	848	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	848	40033.58	0.96	15.82	-8.1	6003.2>>	4.8
	848	40033.95	0.88	44.11	-4.8	839.6<<	4.8
	849	40033.58	0.96	-139.93	-8.1	5931.9>>	3.6
	849	40033.95	0.88	-111.64	-4.8	800.9<<	3.6

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	849	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	849	40039.38	0.95	-67.34	-8.1	5967.6>>	4.7
	849	40039.66	0.87	-38.90	-5.1	836.5<<	4.6
	850	40039.38	0.95	-223.10	-8.1	5800.7>>	3.6
	850	40039.66	0.87	-194.74	-5.1	702.1<<	3.6

BARRA	850	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	850	40042.63	0.95	-52.12	-8.1	5796.3>>	3.6
	850	40042.91	0.87	-23.76	-5.1	697.8<<	3.6
	851	40042.63	0.95	-207.88	-8.1	5646.9>>	2.4
	851	40042.91	0.87	-179.52	-5.1	580.9<<	2.5

BARRA	851	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	851	40044.31	-0.02	-140.42	-7.6	5688.6>>	3.1
	851	40044.49	-0.10	-111.98	-4.9	622.5<<	3.0
	852	40044.31	-0.02	-296.17	-7.6	5437.5>>	3.4
	852	40044.49	-0.10	-267.74	-4.9	404.2<<	3.4

BARRA	852	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	852	40042.48	-0.02	-133.80	-7.6	5439.7>>	3.4
	852	40042.67	-0.10	-105.37	-4.9	406.3<<	3.4
	853	40042.48	-0.02	-289.55	-7.6	5196.2>>	3.3
	853	40042.67	-0.10	-261.12	-4.9	195.5<<	3.4

BARRA	853	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	853	40039.95	-0.95	-226.09	-6.8	5243.2>>	3.8
	853	40040.05	-1.03	-197.59	-4.5	242.3<<	3.6
	854	40039.95	-0.95	-381.05	-6.8	4893.7>>	5.0
	854	40040.05	-1.03	-353.34	-4.5	-74.3<<	5.0

BARRA	854	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	854	40034.97	-0.95	-219.54	-6.8	4899.5>>	5.0
	854	40035.06	-1.03	-191.04	-4.5	-68.6<<	5.0
	855	40034.97	-0.95	-375.29	-6.8	4557.5>>	6.0
	855	40035.06	-1.03	-346.79	-4.5	-377.8<<	6.0

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	855	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	855	40016.45	-0.50	-312.59	-8.5	4602.6>>	6.8
	855	40016.45	-0.58	-284.01	-6.5	-332.8<<	6.7
	856	40016.45	-0.50	-468.34	-8.5	4153.6>>	7.1
	856	40016.45	-0.58	-439.76	-6.5	-748.9<<	7.1

BARRA	856	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	856	44587.60	-0.50	-306.26	-8.5	10707.8>>	7.1
	856	44587.60	-0.58	-277.68	-6.5	5805.2<<	7.1
	857	44587.60	-0.50	-462.01	-8.5	10266.0>>	7.6
	857	44587.60	-0.58	-433.43	-6.5	5396.3<<	7.7

BARRA	857	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	857	44585.03	3.42	-397.59	-13.7	10328.3>>	9.4
	857	44584.94	3.35	-368.93	-12.2	5458.4<<	9.3
	858	44585.03	3.42	-553.34	-13.7	9781.7>>	5.3
	858	44584.94	3.35	-524.69	-12.2	4944.8<<	5.3

BARRA	858	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	858	44582.44	3.42	-391.43	-13.7	9806.0>>	5.3
	858	44582.35	3.35	-362.78	-12.2	4969.1<<	5.3
	859	44582.44	3.42	-547.19	-13.7	9266.4>>	1.3
	859	44582.35	3.35	-518.53	-12.2	4462.4<<	1.4

BARRA	859	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	859	44574.95	12.80	-485.76	-13.8	9331.8>>	5.0
	859	44574.76	12.73	-457.03	-12.7	4527.7<<	4.9
	860	44574.95	12.80	-641.52	-13.8	8683.7>>	-9.9
	860	44574.76	12.73	-612.78	-12.7	3912.7<<	-9.9

BARRA	860	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	860	44569.37	12.80	-480.59	-13.8	8707.1>>	-9.9
	860	44569.18	12.73	-451.85	-12.7	3936.1<<	-9.9
	861	44569.37	12.80	-636.35	-13.8	8065.0>>	-24.6
	861	44569.18	12.73	-607.61	-12.7	3327.0<<	-24.5

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	861	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	861	44557.86	26.38	-577.44	-9.4	8130.7>>	-18.5
	861	44557.57	26.32	-548.62	-8.7	3392.6<<	-18.6
	862	44557.86	26.38	-733.20	-9.4	7377.3>>	-48.9
	862	44557.57	26.32	-704.37	-8.7	2672.2<<	-48.9

BARRA	862	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	862	44549.33	26.38	-572.45	-9.4	7397.7>>	-48.9
	862	44549.04	26.32	-543.63	-8.7	2692.6<<	-48.9
	863	44549.33	26.38	-728.21	-9.4	6649.9>>	-79.2
	863	44549.04	26.32	-699.39	-8.7	1978.0<<	-79.2

BARRA	863	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	863	44540.66	31.16	-671.94	-1.8	6712.2>>	-73.3
	863	44540.28	31.11	-643.04	-1.7	2040.1<<	-73.4
	864	44540.66	31.16	-827.69	-1.8	5849.6>>	-109.2
	864	44540.28	31.11	-798.80	-1.7	1210.7<<	-109.2

BARRA	864	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	864	44487.40	31.16	-674.69	-1.8	5879.4>>	-109.2
	864	44487.02	31.11	-645.79	-1.7	1240.6<<	-109.2
	865	44487.40	31.16	-830.45	-1.8	5014.1>>	-144.8
	865	44487.02	31.11	-801.55	-1.7	408.5<<	-144.9

BARRA	865	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	865	44433.48	-8.05	-785.26	8.2	5078.0>>	-151.8
	865	44433.03	-8.13	-756.29	7.7	472.2<<	-152.0
	866	44433.48	-8.05	-941.02	8.2	4085.3>>	-142.3
	866	44433.03	-8.13	-912.05	7.7	-467.2<<	-142.4

BARRA	866	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	866	44358.20	-8.05	-795.02	8.2	4088.2>>	-142.3
	866	44357.74	-8.13	-766.05	7.7	-464.3<<	-142.4
	867	44358.20	-8.05	-950.77	8.2	3084.4>>	-133.2
	867	44357.74	-8.13	-921.81	7.7	-1454.8<<	-133.2

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	867	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	867	44287.05	-149.24	-2328.87	15.7	3117.8>>	-179.6
	867	44287.53	-149.57	-2299.69	14.2	-1421.8<<	-179.9
	868	44282.06	-149.24	-2484.62	15.7	348.5>>	-8.0
	868	44282.54	-149.57	-2455.44	14.2	-4157.6<<	-7.8

BARRA	868	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	868	54942.96	-149.24	-2650.23	15.7	5432.7>>	-8.0
	868	54943.44	-149.57	-2621.05	14.2	926.7<<	-7.8
	869	54936.54	-149.24	-2850.90	15.7	2267.8>>	163.6
	869	54937.02	-149.57	-2821.72	14.2	-2204.7<<	164.1

BARRA	869	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	869	54881.52	-47.83	-2106.42	25.1	2281.6>>	150.8
	869	54881.02	-48.07	-2076.77	22.1	-2191.6<<	151.1
	870	54881.52	-47.83	-2307.09	25.1	-256.1>>	206.0
	870	54881.02	-48.07	-2277.44	22.1	-4695.2<<	206.6

BARRA	870	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	870	54915.36	-47.83	-3521.90	25.1	-210.7>>	206.0
	870	54914.85	-48.07	-3492.24	22.1	-4649.8<<	206.6
	871	54915.36	-47.83	-3722.57	25.1	-4376.3>>	260.9
	871	54914.85	-48.07	-3692.91	22.1	-8781.3<<	261.7

BARRA	871	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	871	55063.73	15.43	3879.03	33.5	-4159.9>>	260.7
	871	55063.23	15.73	3879.76	29.8	-8565.4<<	261.3
	872	55063.73	15.43	3678.36	33.5	185.5>>	243.0
	872	55063.23	15.73	3679.09	29.8	-4219.1<<	243.3

BARRA	872	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	872	55232.17	15.43	2749.23	33.5	329.8>>	243.0
	872	55231.67	15.73	2749.96	29.8	-4074.8<<	243.3
	873	55232.17	15.43	2548.56	33.5	3375.9>>	225.3
	873	55231.67	15.73	2549.29	29.8	-1027.8<<	225.3

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	873	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	873	55212.06	149.05	3276.93	18.4	3493.3>>	271.6
	873	55211.57	148.97	3277.58	15.3	-910.3<<	271.0
	874	55218.48	149.05	3076.26	18.4	7148.1>>	100.0
	874	55217.99	148.97	3076.92	15.3	2745.2<<	99.6

BARRA	874	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	874	44298.19	149.05	2289.14	18.4	1912.4>>	100.0
	874	44297.70	148.97	2289.80	15.3	-2490.5<<	99.6
	875	44303.17	149.05	2133.39	18.4	4456.9>>	-71.4
	875	44302.68	148.97	2134.04	15.3	54.8<<	-71.7

BARRA	875	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	875	44487.88	29.31	768.19	12.2	4537.8>>	-64.7
	875	44487.51	29.34	768.56	10.1	136.2<<	-64.7
	876	44487.88	29.31	612.44	12.2	5331.6>>	-98.3
	876	44487.51	29.34	612.81	10.1	930.5<<	-98.3

BARRA	876	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	876	39838.77	29.31	766.03	12.2	-1415.7>>	-98.3
	876	39838.39	29.34	766.40	10.1	-5816.9<<	-98.3
	877	39838.77	29.31	610.27	12.2	-624.0>>	-131.9
	877	39838.39	29.34	610.64	10.1	-5024.7<<	-131.9

BARRA	877	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	877	39884.23	-13.52	674.57	14.4	-583.8>>	-125.6
	877	39883.92	-13.48	674.78	12.9	-4984.3<<	-125.6
	878	39884.23	-13.52	518.82	14.4	102.3>>	-110.3
	878	39883.92	-13.48	519.03	12.9	-4297.9<<	-110.2

BARRA	878	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	878	39907.52	-13.52	685.96	14.4	97.4>>	-110.3
	878	39907.21	-13.48	686.17	12.9	-4302.9<<	-110.2
	879	39907.52	-13.52	530.21	14.4	796.7>>	-94.8
	879	39907.21	-13.48	530.42	12.9	-3603.3<<	-94.8

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	879	39929.27	-20.35	596.49	13.2	830.8>>	-94.4
	879	39929.02	-20.30	596.63	12.0	-3569.2<<	-94.3
	880	39929.27	-20.35	440.74	13.2	1427.1>>	-70.9
	880	39929.02	-20.30	440.87	12.0	-2972.7<<	-70.9
BARRA	880	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	880	39949.48	-20.35	609.92	13.2	1416.5>>	-70.9
	880	39949.23	-20.30	610.05	12.0	-2983.2<<	-70.9
	881	39949.48	-20.35	454.16	13.2	2028.4>>	-47.4
	881	39949.23	-20.30	454.30	12.0	-2371.2<<	-47.5
BARRA	881	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	881	39962.95	-14.25	523.21	9.9	2057.2>>	-48.1
	881	39962.76	-14.20	523.32	8.9	-2342.4<<	-48.1
	882	39962.95	-14.25	367.46	9.9	2569.6>>	-31.6
	882	39962.76	-14.20	367.56	8.9	-1829.8<<	-31.6
BARRA	882	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	882	39979.83	-14.25	537.22	9.9	2556.3>>	-31.6
	882	39979.64	-14.20	537.32	8.9	-1843.1<<	-31.6
	883	39979.83	-14.25	381.46	9.9	3084.5>>	-15.5
	883	39979.64	-14.20	381.56	8.9	-1314.8<<	-15.5
BARRA	883	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	883	39990.94	-6.50	451.31	5.6	3111.7>>	-14.9
	883	39990.80	-6.45	451.41	4.6	-1287.6<<	-14.9
	884	39990.94	-6.50	295.55	5.6	3541.0>>	-7.5
	884	39990.80	-6.45	295.65	4.6	-858.2<<	-7.5
BARRA	884	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	884	40004.48	-6.50	466.29	5.6	3527.5>>	-7.5
	884	40004.34	-6.45	466.38	4.6	-871.7<<	-7.5
	885	40004.48	-6.50	310.53	5.6	3974.2>>	-0.1
	885	40004.34	-6.45	310.63	4.6	-424.8<<	-0.1

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	885	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	885	40014.51	-1.40	382.53	1.8	4002.3>>	0.9
	885	40014.42	-1.35	382.63	0.8	-396.8<<	0.9
	886	40014.51	-1.40	226.78	1.8	4352.3>>	2.7
	886	40014.42	-1.35	226.87	0.8	-46.7<<	2.7
BARRA	886	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	886	40024.58	-1.40	396.97	1.8	4340.5>>	2.7
	886	40024.50	-1.35	397.06	0.8	-58.4<<	2.7
	887	40024.58	-1.40	241.21	1.8	4707.7>>	4.3
	887	40024.50	-1.35	241.31	0.8	308.9<<	4.3
BARRA	887	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	887	40032.70	0.63	313.74	-1.8	4738.3>>	4.8
	887	40032.67	0.68	313.83	-2.8	339.4<<	4.9
	888	40032.70	0.63	157.98	-1.8	5009.8>>	4.3
	888	40032.67	0.68	158.08	-2.8	611.1<<	4.3
BARRA	888	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	888	40039.38	0.63	329.32	-1.8	5001.2>>	4.3
	888	40039.36	0.68	329.42	-2.8	602.5<<	4.3
	889	40039.38	0.63	173.57	-1.8	5290.5>>	3.7
	889	40039.36	0.68	173.66	-2.8	891.9<<	3.7
BARRA	889	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	889	40044.79	0.63	246.94	-4.9	5325.0>>	4.0
	889	40044.83	0.67	247.03	-5.9	926.4<<	4.1
	890	40044.79	0.63	91.18	-4.9	5519.4>>	3.2
	890	40044.83	0.67	91.28	-5.9	1120.9<<	3.2
BARRA	890	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	890	40048.03	0.63	262.16	-4.9	5515.0>>	3.2
	890	40048.06	0.67	262.26	-5.9	1116.5<<	3.2
	891	40048.03	0.63	106.40	-4.9	5727.1>>	2.4
	891	40048.06	0.67	106.50	-5.9	1328.8<<	2.4

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	891	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	891	40049.25	-0.33	174.75	-7.3	5767.4>>	2.4
	891	40049.34	-0.28	174.85	-8.3	1369.1<<	2.4
	892	40049.25	-0.33	18.99	-7.3	5878.9>>	2.8
	892	40049.34	-0.28	19.09	-8.3	1480.6<<	2.8

BARRA	892	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	892	40047.43	-0.33	181.37	-7.3	5881.0>>	2.8
	892	40047.52	-0.28	181.47	-8.3	1482.7<<	2.8
	893	40047.43	-0.33	25.61	-7.3	6000.1>>	3.2
	893	40047.52	-0.28	25.71	-8.3	1601.9<<	3.1

BARRA	893	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	893	40044.51	-1.26	90.09	-9.0	6045.6>>	3.1
	893	40044.65	-1.21	90.19	-10.0	1647.5<<	3.1
	894	40044.51	-1.26	-65.67	-9.0	6059.5>>	4.5
	894	40044.65	-1.21	-65.57	-10.0	1661.5<<	4.5

BARRA	894	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	894	40039.53	-1.26	96.64	-9.0	6065.2>>	4.5
	894	40039.68	-1.21	96.74	-10.0	1667.2<<	4.5
	895	40039.53	-1.26	-59.11	-9.0	6087.0>>	6.0
	895	40039.68	-1.21	-59.02	-10.0	1689.1<<	5.9

BARRA	895	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	895	40020.62	-0.81	3.99	-11.7	6132.1>>	5.8
	895	40020.83	-0.76	4.09	-12.8	1734.2<<	5.9
	896	40020.62	-0.81	-151.76	-11.7	6047.1>>	6.9
	896	40020.83	-0.76	-151.66	-12.8	1649.3<<	6.9

BARRA	896	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	896	42300.71	-0.81	10.32	-11.7	9329.2>>	6.9
	896	42300.92	-0.76	10.42	-12.8	4931.4<<	6.9
	897	42300.71	-0.81	-145.44	-11.7	9251.4>>	7.8
	897	42300.92	-0.76	-145.34	-12.8	4853.7<<	7.7

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	897	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	897	42293.51	3.09	-81.91	-15.6	9309.2>>	8.6
	897	42293.78	3.14	-81.81	-16.6	4911.5<<	8.6
	898	42293.51	3.09	-237.67	-15.6	9125.3>>	5.0
	898	42293.78	3.14	-237.57	-16.6	4727.8<<	4.9

BARRA	898	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	898	42286.72	3.09	-75.76	-15.6	9143.5>>	5.0
	898	42286.99	3.14	-75.66	-16.6	4746.0<<	4.9
	899	42286.72	3.09	-231.52	-15.6	8966.9>>	1.4
	899	42286.99	3.14	-231.41	-16.6	4569.5<<	1.3

BARRA	899	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	899	42274.62	12.49	-170.34	-16.2	9026.6>>	4.3
	899	42274.95	12.53	-170.23	-17.4	4629.1<<	4.4
	900	42274.62	12.49	-326.09	-16.2	8741.0>>	-10.1
	900	42274.95	12.53	-325.99	-17.4	4343.7<<	-10.1

BARRA	900	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	900	42264.86	12.49	-165.17	-16.2	8758.5>>	-10.1
	900	42265.19	12.53	-165.06	-17.4	4361.2<<	-10.1
	901	42264.86	12.49	-320.92	-16.2	8478.9>>	-24.3
	901	42265.19	12.53	-320.81	-17.4	4081.8<<	-24.3

BARRA	901	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	901	42248.75	26.00	-261.65	-14.1	8538.0>>	-19.0
	901	42249.13	26.03	-261.54	-15.3	4140.8<<	-18.9
	902	42248.75	26.00	-417.41	-14.1	8147.2>>	-49.2
	902	42249.13	26.03	-417.29	-15.3	3750.1<<	-49.2

BARRA	902	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	902	42236.05	26.00	-256.66	-14.1	8161.6>>	-49.2
	902	42236.43	26.03	-256.55	-15.3	3764.6<<	-49.2
	903	42236.05	26.00	-412.42	-14.1	7777.1>>	-78.7
	903	42236.43	26.03	-412.31	-15.3	3380.2<<	-78.8

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	903	42222.83	30.75	-355.45	-10.2	7831.9>>	-73.9
	903	42223.27	30.79	-355.34	-11.6	3435.0<<	-73.8
	904	42222.83	30.75	-511.20	-10.2	7333.4>>	-109.2
	904	42223.27	30.79	-511.10	-11.6	2936.5<<	-109.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	904	42165.40	30.75	-358.19	-10.2	7357.2>>	-109.2
	904	42165.85	30.79	-358.09	-11.6	2960.4<<	-109.2
	905	42165.40	30.75	-513.95	-10.2	6855.7>>	-144.3
	905	42165.85	30.79	-513.84	-11.6	2459.0<<	-144.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	905	42106.99	-8.45	-467.89	-4.3	6911.9>>	-151.9
	905	42107.49	-8.38	-467.80	-5.9	2515.1<<	-151.8
	906	42106.99	-8.45	-623.65	-4.3	6284.1>>	-142.3
	906	42107.49	-8.38	-623.55	-5.9	1887.5<<	-142.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	906	42027.56	-8.45	-477.65	-4.3	6281.0>>	-142.3
	906	42028.06	-8.38	-477.55	-5.9	1884.3<<	-142.2
	907	42027.56	-8.45	-633.40	-4.3	5642.5>>	-132.4
	907	42028.06	-8.38	-633.31	-5.9	1246.0<<	-132.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	907	41963.67	-150.05	-1935.44	-2.3	5667.4>>	-179.1
	907	41964.25	-149.95	-1935.21	-4.6	1270.5<<	-178.9
	908	41958.69	-150.05	-2091.19	-2.3	3350.7>>	-6.1
	908	41959.27	-149.95	-2090.97	-4.6	-1045.9<<	-6.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	908	51276.91	-150.05	-2215.47	-2.3	8370.9>>	-6.1
	908	51277.49	-149.95	-2215.25	-4.6	3974.3<<	-6.0
	909	51270.48	-150.05	-2416.14	-2.3	5706.4>>	166.6
	909	51271.06	-149.95	-2415.92	-4.6	1310.1<<	166.6

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	909	51195.90	-47.69	-1787.22	1.7	5711.6>>	152.0
	909	51196.39	-47.29	-1786.61	-1.6	1314.6<<	152.0
	910	51195.90	-47.69	-1987.89	1.7	3540.8>>	206.7
	910	51196.39	-47.29	-1987.27	-1.6	-855.4<<	206.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	910	51223.18	-47.69	-3201.74	1.7	3580.5>>	206.7
	910	51223.66	-47.29	-3201.12	-1.6	-815.7<<	206.2
	911	51223.18	-47.69	-3402.41	1.7	-216.9>>	261.9
	911	51223.66	-47.29	-3401.79	-1.6	-4612.4<<	261.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	911	51379.86	15.55	3315.24	9.3	6.5>>	259.8
	911	51380.22	15.33	3283.85	5.9	-4389.1<<	258.8
	912	51379.86	15.55	3114.57	9.3	3703.8>>	241.9
	912	51380.22	15.33	3083.18	5.9	-728.0<<	241.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	912	51554.02	15.55	2004.10	9.3	3851.4>>	241.9
	912	51554.38	15.33	1972.71	5.9	-580.4<<	241.2
	913	51554.02	15.55	1803.43	9.3	6040.8>>	224.0
	913	51554.38	15.33	1772.04	5.9	1572.9<<	223.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	913	51540.22	147.45	2327.53	0.8	6141.4>>	266.4
	913	51541.45	147.02	2295.99	-1.6	1673.9<<	265.4
	914	51546.64	147.45	2126.86	0.8	8703.8>>	96.6
	914	51547.87	147.02	2095.32	-1.6	4200.0<<	96.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	914	41938.07	147.45	1656.45	0.8	3501.4>>	96.6
	914	41939.30	147.02	1624.91	-1.6	-1002.4<<	96.1
	915	41943.05	147.45	1500.69	0.8	5317.9>>	-73.0
	915	41944.28	147.02	1469.15	-1.6	777.8<<	-73.1

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	915	42113.55	28.88	223.86	0.9	5395.1>>	-65.1
	915	42113.69	28.78	191.91	0.0	855.6<<	-65.0
	916	42113.55	28.88	68.11	0.9	5563.0>>	-98.2
	916	42113.69	28.78	36.16	0.0	986.7<<	-98.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	916	39823.59	28.88	238.90	0.9	2187.4>>	-98.2
	916	39823.73	28.78	206.95	0.0	-2388.8<<	-98.0
	917	39823.59	28.88	83.14	0.9	2372.2>>	-131.4
	917	39823.73	28.78	51.19	0.0	-2240.8<<	-131.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	917	39873.05	-13.71	163.97	5.1	2412.4>>	-125.5
	917	39873.09	-13.75	131.76	5.2	-2200.2<<	-125.4
	918	39873.05	-13.71	8.21	5.1	2511.4>>	-109.9
	918	39873.09	-13.75	-24.00	5.2	-2138.2<<	-109.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	918	39898.42	-13.71	190.49	5.1	2503.5>>	-109.9
	918	39898.46	-13.75	158.28	5.2	-2146.2<<	-109.7
	919	39898.42	-13.71	34.74	5.1	2633.0>>	-94.0
	919	39898.46	-13.75	2.53	5.2	-2053.7<<	-93.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	919	39921.72	-20.58	116.77	7.6	2665.2>>	-94.6
	919	39921.66	-20.64	84.38	8.4	-2021.3<<	-94.5
	920	39921.72	-20.58	-38.99	7.6	2709.8>>	-71.0
	920	39921.66	-20.64	-71.37	8.4	-2013.9<<	-70.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	920	39943.41	-20.58	146.19	7.6	2696.3>>	-71.0
	920	39943.35	-20.64	113.81	8.4	-2027.4<<	-70.9
	921	39943.41	-20.58	-9.56	7.6	2774.9>>	-47.1
	921	39943.35	-20.64	-41.94	8.4	-1986.1<<	-47.0

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	921	39957.57	-14.52	75.03	8.8	2802.9>>	-48.6
	921	39957.40	-14.60	42.52	10.1	-1957.8<<	-48.7
	922	39957.57	-14.52	-80.73	8.8	2799.6>>	-31.8
	922	39957.40	-14.60	-113.24	10.1	-1998.6<<	-31.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	922	39975.17	-14.52	104.23	8.8	2784.1>>	-31.8
	922	39975.00	-14.60	71.72	10.1	-2014.0<<	-31.8
	923	39975.17	-14.52	-51.53	8.8	2814.5>>	-15.2
	923	39975.00	-14.60	-84.03	10.1	-2021.0<<	-15.1

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	923	39986.38	-6.86	35.07	9.5	2841.6>>	-15.5
	923	39986.11	-6.95	2.46	11.3	-1993.8<<	-15.6
	924	39986.38	-6.86	-120.69	9.5	2792.2>>	-7.6
	924	39986.11	-6.95	-153.30	11.3	-2080.7<<	-7.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	924	40000.18	-6.86	65.63	9.5	2777.5>>	-7.6
	924	39999.90	-6.95	33.02	11.3	-2095.4<<	-7.6
	925	40000.18	-6.86	-90.13	9.5	2763.5>>	0.2
	925	39999.90	-6.95	-122.74	11.3	-2146.8<<	0.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	925	40009.37	-1.90	-2.90	10.0	2792.5>>	0.4
	925	40008.98	-2.00	-35.61	12.2	-2117.8<<	0.3
	926	40009.37	-1.90	-158.66	10.0	2700.0>>	2.6
	926	40008.98	-2.00	-191.36	12.2	-2247.9<<	2.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	926	40018.82	-1.90	29.11	10.0	2688.4>>	2.6
	926	40018.43	-2.00	-3.59	12.2	-2259.4<<	2.6
	927	40018.82	-1.90	-126.65	10.0	2632.4>>	4.8
	927	40018.43	-2.00	-159.35	12.2	-2353.0<<	5.0

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	927	40025.54	-0.12	-39.57	10.5	2665.6>>	4.9
	927	40025.04	-0.21	-72.36	13.2	-2319.7<<	4.8
	928	40025.54	-0.12	-195.32	10.5	2530.5>>	4.9
	928	40025.04	-0.21	-228.11	13.2	-2492.6<<	4.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	928	40030.79	-0.12	-7.76	10.5	2523.6>>	4.9
	928	40030.29	-0.21	-40.55	13.2	-2499.4<<	4.9
	929	40030.79	-0.12	-163.52	10.5	2425.1>>	5.2
	929	40030.29	-0.21	-196.31	13.2	-2635.7<<	5.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	929	40034.12	-0.39	-75.37	10.8	2463.4>>	4.4
	929	40033.51	-0.48	-108.25	13.9	-2597.2<<	4.4
	930	40034.12	-0.39	-231.13	10.8	2287.2>>	4.8
	930	40033.51	-0.48	-264.01	13.9	-2811.2<<	4.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	930	40034.25	-0.39	-48.04	10.8	2286.8>>	4.8
	930	40033.64	-0.48	-80.91	13.9	-2811.6<<	4.8
	931	40034.25	-0.39	-203.79	10.8	2142.0>>	5.3
	931	40033.64	-0.48	-236.67	13.9	-2994.3<<	5.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	931	40031.66	-1.28	-125.19	11.8	2188.1>>	4.3
	931	40030.94	-1.37	-158.15	15.2	-2948.0<<	4.3
	932	40031.66	-1.28	-280.95	11.8	1954.7>>	6.0
	932	40030.94	-1.37	-313.91	15.2	-3219.3<<	6.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	932	40026.98	-1.28	-103.18	11.8	1960.2>>	6.0
	932	40026.26	-1.37	-136.14	15.2	-3213.8<<	6.0
	933	40026.98	-1.28	-258.93	11.8	1752.0>>	7.4
	933	40026.26	-1.37	-291.90	15.2	-3460.0<<	7.5

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	933	40019.95	-0.96	-180.58	11.1	1800.8>>	6.4
	933	40019.13	-1.06	-213.62	14.9	-3411.0<<	6.3
	934	40019.95	-0.96	-336.33	11.1	1503.5>>	7.5
	934	40019.13	-1.06	-369.38	14.9	-3746.2<<	7.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	934	46424.67	-0.96	-158.95	11.1	5238.1>>	7.5
	934	46423.85	-1.06	-191.99	14.9	-11.7<<	7.5
	935	46424.67	-0.96	-314.70	11.1	4965.7>>	8.5
	935	46423.85	-1.06	-347.75	14.9	-322.1<<	8.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	935	46456.02	2.85	-235.15	8.2	5033.7>>	8.5
	935	46455.08	2.77	-268.28	12.3	-253.9<<	8.5
	936	46456.02	2.85	-390.91	8.2	4673.7>>	5.2
	936	46455.08	2.77	-424.03	12.3	-652.0<<	5.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	936	46455.93	2.85	-215.04	8.2	4694.3>>	5.2
	936	46454.99	2.77	-248.17	12.3	-631.4<<	5.2
	937	46455.93	2.85	-370.80	8.2	4357.3>>	1.8
	937	46454.99	2.77	-403.93	12.3	-1006.6<<	2.0

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	937	46449.32	12.25	-293.62	8.9	4420.4>>	3.9
	937	46448.26	12.18	-326.83	13.4	-943.3<<	3.9
	938	46449.32	12.25	-449.37	8.9	3993.3>>	-10.2
	938	46448.26	12.18	-482.58	13.4	-1408.5<<	-10.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	938	46445.55	12.25	-274.06	8.9	4013.7>>	-10.2
	938	46444.49	12.18	-307.27	13.4	-1388.1<<	-10.2
	939	46445.55	12.25	-429.81	8.9	3608.8>>	-24.2
	939	46444.49	12.18	-463.02	13.4	-1831.3<<	-24.1

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	939	46434.42	25.92	-355.34	12.0	3671.5>>	-19.8
	939	46433.24	25.88	-388.63	16.8	-1768.4<<	-19.9
	940	46434.42	25.92	-511.09	12.0	3173.1>>	-49.6
	940	46433.24	25.88	-544.39	16.8	-2305.1<<	-49.7
BARRA	940	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	940	46426.86	25.92	-336.01	12.0	3190.3>>	-49.6
	940	46425.68	25.88	-369.31	16.8	-2287.8<<	-49.7
	941	46426.86	25.92	-491.77	12.0	2714.7>>	-79.1
	941	46425.68	25.88	-525.06	16.8	-2801.8<<	-79.1
BARRA	941	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	941	46417.98	30.72	-419.88	17.1	2772.9>>	-75.2
	941	46416.67	30.70	-453.28	22.3	-2743.3<<	-75.4
	942	46417.98	30.72	-575.63	17.1	2200.5>>	-110.5
	942	46416.67	30.70	-609.03	22.3	-3354.1<<	-110.7
BARRA	942	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	942	46362.11	30.72	-409.71	17.1	2230.8>>	-110.5
	942	46360.80	30.70	-443.11	22.3	-3323.9<<	-110.7
	943	46362.11	30.72	-565.46	17.1	1670.0>>	-145.8
	943	46360.80	30.70	-598.86	22.3	-3923.0<<	-146.0
BARRA	943	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	943	46304.51	-8.78	-504.92	24.4	1734.4>>	-154.4
	943	46303.07	-8.86	-538.48	30.1	-3858.4<<	-154.9
	944	46304.51	-8.78	-660.68	24.4	1064.1>>	-144.5
	944	46303.07	-8.86	-694.24	30.1	-4567.3<<	-144.9
BARRA	944	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	944	46226.81	-8.78	-502.00	24.4	1066.8>>	-144.5
	944	46225.38	-8.86	-535.56	30.1	-4564.6<<	-144.9
	945	46226.81	-8.78	-657.76	24.4	399.9>>	-134.4
	945	46225.38	-8.86	-691.32	30.1	-5270.1<<	-134.7

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	945	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	945	46160.58	-151.74	-2081.55	29.3	430.9>>	-184.6
	945	46157.91	-152.06	-2115.29	35.6	-5238.8<<	-185.6
	946	46155.60	-151.74	-2237.31	29.3	-2053.6>>	-9.9
	946	46152.92	-152.06	-2271.04	35.6	-7762.0<<	-10.6
BARRA	946	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	946	56839.54	-151.74	-2134.50	29.3	3031.9>>	-9.9
	946	56836.86	-152.06	-2168.23	35.6	-2676.5<<	-10.6
	947	56833.12	-151.74	-2335.17	29.3	460.5>>	164.5
	947	56830.44	-152.06	-2368.90	35.6	-5286.8<<	164.2
BARRA	947	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	947	56967.22	-50.36	-1587.91	34.2	612.7>>	151.8
	947	56965.76	-50.91	-1621.74	40.5	-5134.5<<	151.7
	948	56967.22	-50.36	-1788.58	34.2	-1328.7>>	209.7
	948	56965.76	-50.91	-1822.41	40.5	-7114.7<<	210.2
BARRA	948	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	948	57151.68	-50.36	-3184.10	34.2	-1158.9>>	209.7
	948	57150.21	-50.91	-3217.92	40.5	-6945.0<<	210.2
	949	57151.68	-50.36	-3384.77	34.2	-4936.1>>	267.6
	949	57150.21	-50.91	-3418.59	40.5	-10761.1<<	268.7
BARRA	949	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	949	57301.40	16.84	4029.86	36.8	-4726.3>>	266.7
	949	57300.07	17.07	4167.60	42.2	-10551.5<<	268.0
	950	57301.40	16.84	3829.19	36.8	-207.4>>	247.3
	950	57300.07	17.07	3966.93	42.2	-5874.2<<	248.3
BARRA	950	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	950	57476.89	16.84	2877.46	36.8	-65.3>>	247.3
	950	57475.56	17.07	3015.20	42.2	-5732.1<<	248.3
	951	57476.89	16.84	2676.80	36.8	3128.7>>	227.9
	951	57475.56	17.07	2814.53	42.2	-2379.7<<	228.6

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	951	57457.87	151.05	3455.04	16.0	3240.6>>	275.2
	951	57452.29	151.62	3593.04	19.7	-2268.4<<	276.8
	952	57464.30	151.05	3254.37	16.0	7100.6>>	101.3
	952	57458.71	151.62	3392.37	19.7	1750.4<<	102.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	952	46577.85	151.05	2457.70	16.0	1881.0>>	101.3
	952	46572.26	151.62	2595.70	19.7	-3469.2<<	102.3
	953	46582.83	151.05	2301.94	16.0	4619.0>>	-72.5
	953	46577.25	151.62	2439.94	19.7	-572.4<<	-72.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	953	46775.55	29.41	868.54	3.9	4696.2>>	-66.5
	953	46774.40	29.49	1006.85	6.1	-495.5<<	-66.6
	954	46775.55	29.41	712.78	3.9	5605.6>>	-100.2
	954	46774.40	29.49	851.09	6.1	572.9<<	-100.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	954	48570.09	29.41	870.10	3.9	2683.1>>	-100.2
	954	48568.94	29.49	1008.41	6.1	-2349.7<<	-100.5
	955	48570.09	29.41	714.34	3.9	3594.0>>	-134.1
	955	48568.94	29.49	852.65	6.1	-1279.7<<	-134.4

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	955	48618.05	-13.76	784.91	-2.4	3630.4>>	-127.6
	955	48616.96	-13.77	923.48	-1.8	-1243.8<<	-127.9
	956	48618.05	-13.76	629.16	-2.4	4443.7>>	-112.0
	956	48616.96	-13.77	767.73	-1.8	-271.1<<	-112.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	956	48643.70	-13.76	800.16	-2.4	4438.4>>	-112.0
	956	48642.61	-13.77	938.72	-1.8	-276.4<<	-112.3
	957	48643.70	-13.76	644.40	-2.4	5269.3>>	-96.0
	957	48642.61	-13.77	782.97	-1.8	713.8<<	-96.2

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	957	48667.95	-20.45	716.22	-8.7	5300.7>>	-95.2
	957	48666.92	-20.44	855.13	-9.9	744.7<<	-95.2
	958	48667.95	-20.45	560.46	-8.7	6034.5>>	-71.7
	958	48666.92	-20.44	699.37	-9.9	1638.2<<	-71.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	958	48690.46	-20.45	733.62	-8.7	6023.0>>	-71.7
	958	48689.43	-20.44	872.53	-9.9	1626.6<<	-71.7
	959	48690.46	-20.45	577.87	-8.7	6777.3>>	-48.1
	959	48689.43	-20.44	716.77	-9.9	2540.7<<	-48.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	959	48706.38	-14.14	651.84	-14.8	6803.8>>	-48.2
	959	48705.44	-14.10	791.12	-17.7	2566.6<<	-48.1
	960	48706.38	-14.14	496.09	-14.8	7463.7>>	-31.9
	960	48705.44	-14.10	635.36	-17.7	3386.7<<	-31.8

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	960	48756.70	-14.14	666.85	-14.8	7424.8>>	-31.9
	960	48755.75	-14.10	806.13	-17.7	3347.8<<	-31.8
	961	48756.70	-14.14	511.09	-14.8	8102.0>>	-15.6
	961	48755.75	-14.10	650.37	-17.7	4185.1<<	-15.6

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	961	48833.00	-6.42	580.46	-20.4	8072.2>>	-14.7
	961	48832.13	-6.35	720.11	-25.1	4154.7<<	-14.6
	962	48833.00	-6.42	424.70	-20.4	8650.2>>	-7.3
	962	48832.13	-6.35	564.35	-25.1	4893.4<<	-7.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	962	48911.88	-6.42	595.93	-20.4	8573.5>>	-7.3
	962	48911.02	-6.35	735.59	-25.1	4816.7<<	-7.3
	963	48911.88	-6.42	440.17	-20.4	9169.3>>	-0.1
	963	48911.02	-6.35	579.83	-25.1	5573.0<<	-0.1

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	963	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	963	48987.67	-1.59	514.47	-25.2	9127.9>>	1.1
	963	48986.90	-1.51	654.50	-31.6	5531.1<<	1.3
	964	48987.67	-1.59	358.72	-25.2	9630.0>>	3.0
	964	48986.90	-1.51	498.74	-31.6	6194.2<<	3.0

BARRA	964	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	964	49062.97	-1.59	532.37	-25.2	9545.0>>	3.0
	964	49062.19	-1.51	672.40	-31.6	6109.1<<	3.0
	965	49062.97	-1.59	376.62	-25.2	10067.6>>	4.8
	965	49062.19	-1.51	516.65	-31.6	6792.8<<	4.7

BARRA	965	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	965	49136.98	-0.03	454.38	-29.2	10020.5>>	5.9
	965	49136.28	0.05	594.78	-37.2	6745.0<<	6.0
	966	49136.98	-0.03	298.63	-29.2	10453.1>>	5.8
	966	49136.28	0.05	439.02	-37.2	7339.2<<	5.9

BARRA	966	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	966	49209.08	-0.03	476.46	-29.2	10364.1>>	5.8
	966	49208.38	0.05	616.86	-37.2	7250.2<<	5.9
	967	49209.08	-0.03	320.70	-29.2	10822.5>>	6.0
	967	49208.38	0.05	461.10	-37.2	7870.0<<	5.9

BARRA	967	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	967	49280.40	-0.40	402.37	-31.8	10774.0>>	6.3
	967	49279.80	-0.32	543.13	-41.5	7820.9<<	6.4
	968	49280.40	-0.40	246.61	-31.8	11147.0>>	6.6
	968	49279.80	-0.32	387.38	-41.5	8355.8<<	6.6

BARRA	968	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	968	49348.79	-0.40	427.06	-31.8	11058.8>>	6.6
	968	49348.18	-0.32	567.82	-41.5	8267.6<<	6.6
	969	49348.79	-0.40	271.30	-31.8	11460.5>>	7.3
	969	49348.18	-0.32	412.06	-41.5	8831.1<<	7.3

SANT BOI CPGT:1.00*G+0.6*GT

BARRA	969	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	969	49414.46	-0.72	347.69	-33.2	11417.1>>	7.2
	969	49413.94	-0.66	488.81	-44.5	8787.1<<	7.4
	970	49414.46	-0.72	191.93	-33.2	11727.4>>	8.1
	970	49413.94	-0.66	333.05	-44.5	9259.7<<	8.1

BARRA	970	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	970	49476.72	-0.72	362.12	-33.2	11647.2>>	8.1
	970	49476.20	-0.66	503.25	-44.5	9179.5<<	8.1
	971	49476.72	-0.72	206.37	-33.2	11974.0>>	8.9
	971	49476.20	-0.66	347.49	-44.5	9668.6<<	8.8

BARRA	971	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	971	49536.47	1.52	278.30	-33.5	11938.4>>	9.7
	971	49536.05	1.55	419.77	-46.4	9632.4<<	9.8
	972	49536.47	1.52	122.54	-33.5	12168.8>>	8.0
	972	49536.05	1.55	264.02	-46.4	10025.5<<	8.1

BARRA	972	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	972	49577.62	1.52	293.92	-33.5	12121.1>>	8.0
	972	49577.20	1.55	435.39	-46.4	9977.8<<	8.1
	973	49577.62	1.52	138.16	-33.5	12369.4>>	6.2
	973	49577.20	1.55	279.64	-46.4	10388.8<<	6.2

BARRA	973	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	973	49488.46	9.07	206.15	-32.3	12491.6>>	8.6
	973	49488.15	9.05	347.96	-46.6	10510.3<<	8.8
	974	49488.46	9.07	50.39	-32.3	12639.0>>	-1.8
	974	49488.15	9.05	192.20	-46.6	10820.9<<	-1.6

BARRA	974	Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	974	49251.93	9.07	215.63	-32.3	12682.1>>	-1.8
	974	49251.63	9.05	357.44	-46.6	10863.9<<	-1.6
	975	49251.93	9.07	59.87	-32.3	12840.7>>	-12.2
	975	49251.63	9.05	201.68	-46.6	11185.6<<	-12.0

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	975	49173.27	22.50	123.85	-28.8	12964.2>>	-7.2
	975	49173.12	22.37	265.97	-44.3	11308.6<<	-6.8
	976	49173.27	22.50	-31.91	-28.8	13017.1>>	-33.0
	976	49173.12	22.37	110.21	-44.3	11524.9<<	-32.5

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	976	49097.53	22.50	130.57	-28.8	13095.1>>	-33.0
	976	49097.37	22.37	272.69	-44.3	11602.9<<	-32.5
	977	49097.53	22.50	-25.19	-28.8	13155.9>>	-58.9
	977	49097.37	22.37	116.93	-44.3	11827.1<<	-58.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	977	49017.44	33.22	35.89	-22.9	13270.4>>	-52.2
	977	49017.47	33.00	178.33	-39.4	11941.0<<	-51.3
	978	49017.44	33.22	-119.87	-22.9	13221.8>>	-90.4
	978	49017.47	33.00	22.57	-39.4	12056.2<<	-89.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	978	48937.98	33.22	38.94	-22.9	13287.6>>	-90.4
	978	48938.01	33.00	181.38	-39.4	12122.0<<	-89.3
	979	48937.98	33.22	-116.82	-22.9	13243.0>>	-128.7
	979	48938.01	33.00	25.62	-39.4	12241.2<<	-127.2

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	979	48869.31	12.24	-60.85	-12.3	13342.9>>	-130.0
	979	48869.59	12.18	82.10	-29.8	12340.3<<	-127.9
	980	48869.31	12.24	-216.61	-12.3	13183.2>>	-144.1
	980	48869.59	12.18	-73.66	-29.8	12345.0<<	-141.9

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	980	48786.16	12.24	-61.04	-12.3	13231.4>>	-144.1
	980	48786.43	12.18	81.91	-29.8	12393.1<<	-141.9
	981	48786.16	12.24	-216.79	-12.3	13071.6>>	-158.1
	981	48786.43	12.18	-73.84	-29.8	12397.8<<	-155.9

SANT BOI CPGT:1.00*G+0.6*GT

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	981	48717.55	-96.69	-1723.10	-1.8	13152.3>>	-189.3
	981	48722.87	-95.71	-1578.96	-20.9	12476.9<<	-184.5
	982	48712.57	-96.69	-1878.85	-1.8	11080.1>>	-78.0
	982	48717.88	-95.71	-1734.71	-20.9	10570.5<<	-74.3

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	982	48631.63	-96.69	-1726.60	-1.8	11107.2>>	-78.0
	982	48636.95	-95.71	-1582.46	-20.9	10597.6<<	-74.3
	983	48625.21	-96.69	-1927.27	-1.8	9005.4>>	33.4
	983	48630.53	-95.71	-1783.13	-20.9	8661.7<<	36.0

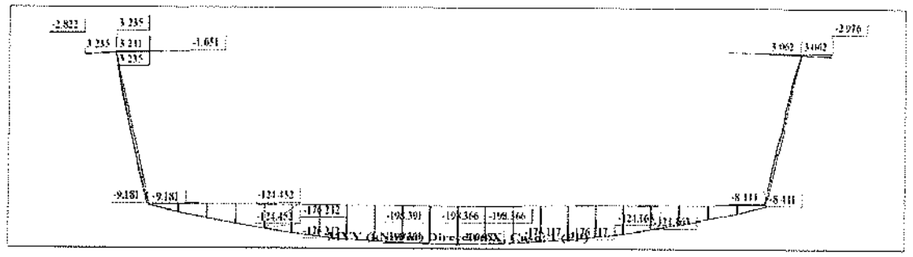
BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	983	48525.89	6.06	-318.85	13.1	9061.2>>	26.4
	983	48526.11	6.28	-173.88	-4.6	8717.5<<	27.0
	984	48525.89	6.06	-519.52	13.1	8579.1>>	19.4
	984	48526.11	6.28	-374.55	-4.6	8402.1<<	19.7

BARRA		Fx (kN)	Fy (kN)	Fz (kN)	Mx (m.kN)	My (m.kN)	Mz (m.kN)
	984	48450.91	6.06	-407.95	13.1	8579.7>>	19.4
	984	48451.14	6.28	-262.98	-4.6	8402.7<<	19.7
	985	48450.91	6.06	-608.62	13.1	7995.1>>	12.3
	985	48451.14	6.28	-463.65	-4.6	7984.8<<	12.4

7.5.4. Flexión Transversal

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Dirección : Calle de Mesena, 69 1º B Proyecto : II Cinturón de San Sebastián

Análisis de los diagramas en los cortes - MYY (kNm/m) Dirección X
casos: 1 (PP)



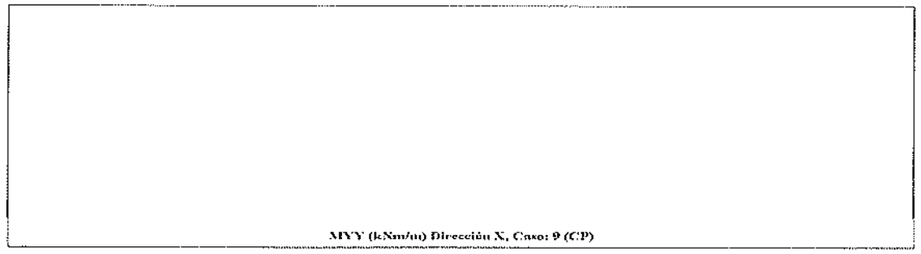
Valores

	MYY (kNm/m)
Valor actual	*0.0*
para el corte	CL_CENTRAL
en el punto	0 0
punto (a)	-124.163
punto (b)	-8.444
punto (c)	-176.117
punto (d)	-124.163
punto (e)	-198.366
punto (f)	-176.117
punto (g)	-198.366
punto (h)	-198.391
punto (i)	-176.242
punto (j)	-198.391
punto (k)	-124.452
punto (l)	-176.242
punto (m)	-9.181
punto (n)	-124.452
punto (o)	-8.444
punto (p)	3.062
punto (q)	-2.976
punto (r)	3.062
punto (s)	-9.181
punto (t)	3.235
punto (u)	3.236
punto (v)	-1.051
punto (w)	-2.822
punto (x)	3.235

Fecha : 31/10/04 Página : 1

5795

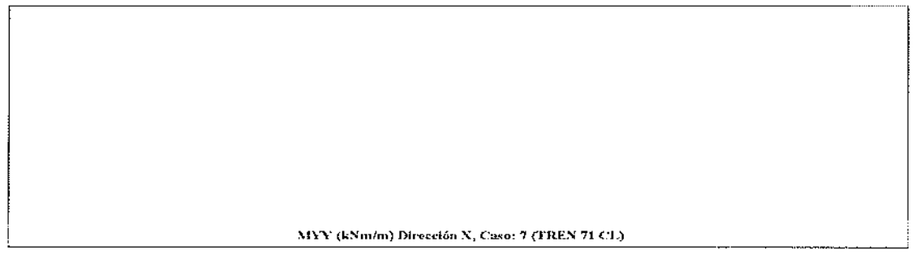
Análisis de los diagramas en los cortes - MYY (kNm/m) Dirección X
casos: 9 (CP)



Valores

	MYY (kNm/m)
Valor actual	0.0
para el corte	CL_CENTRAL
en el punto	0 0
punto (a)	-244.913
punto (b)	-20.350
punto (c)	-345.604
punto (d)	-244.913
punto (e)	-387.642
punto (f)	-345.604
punto (g)	-387.642
punto (h)	-387.346
punto (i)	-344.457
punto (j)	-387.346
punto (k)	-243.008
punto (l)	-344.457
punto (m)	-20.322
punto (n)	-243.008
punto (o)	-20.350
punto (p)	3.796
punto (q)	-4.399
punto (r)	3.796
punto (s)	-20.322
punto (t)	4.291
punto (u)	4.291
punto (v)	-1.421
punto (w)	-3.963
punto (x)	4.291

Análisis de los diagramas en los cortes - MYY (kNm/m) Dirección X
casos: 7 (TREN 71 CL)



Valores

	MYY (kNm/m)
Valor actual	0.0
para el corte	CL_CENTRAL
en el punto	0 0
punto (a)	-296.861
punto (b)	-476.558
punto (c)	-296.861
punto (d)	-523.941
punto (e)	-476.558
punto (f)	-518.865
punto (g)	-523.941
punto (h)	-518.865
punto (i)	-476.635
punto (j)	-297.058
punto (k)	-476.635
punto (l)	34.676
punto (m)	-297.058
punto (n)	8.375
punto (o)	1.015
punto (p)	8.375
punto (q)	34.676
punto (r)	8.614
punto (s)	8.614
punto (t)	0.281
punto (u)	1.207
punto (v)	8.614

7.6. INTERACCIÓN VÍA – TABLERO

Proyecto de construcción de plataforma. Línea de Alta Velocidad Madrid – Zaragoza – Barcelona – Frontera Francesa. Tramo: Sant Boi de Llobregat - Hospitalet
VIADUCTO SOBRE EL LLOBREGAT

7.6.1. Tensiones en el carril

1. TENSIONES EN EL CARRIL

La interacción entre la vía y la estructura supone un incremento de las tensiones en la vía, bien para transmitir los esfuerzos al tablero, bien para coartar sus movimientos, ya que los movimientos relativos entre carril y tablero o plataforma están restringidos por las sujeciones que unen carril y traviesa y la trabazón entre la traviesa y la infraestructura (tablero de puente o plataforma).

Es necesario analizar la interacción entre el carril y la estructura con dos objetivos principales:

- Determinar las sobretensiones en el carril y la eventual necesidad de disponer uno o varios aparatos de dilatación.
- Determinar los desplazamientos absolutos del tablero y relativos entre carril y tablero o plataforma, debiendo limitarse estos últimos con el fin de asegurar la estabilidad de la parrilla de la vía.

Las acciones que incrementan las tensiones son el arranque y frenado, las deformaciones reológicas, y el incremento de temperatura.

En el caso de análisis de interacción con aparato de dilatación, las tensiones en el carril obtenidas incluyen tanto las tensiones debidas a la variación de temperatura del tablero como las correspondientes a la variación de temperatura del carril.

Al alcanzarse el máximo valor de la resistencia al desplazamiento relativo vía-estructura prácticamente en la totalidad del viaducto tanto con el máximo decremento de temperatura como con las deformaciones reológicas, no es posible combinar linealmente ambos efectos, y es necesario combinarlos previamente. De todos modos, al haberse alcanzado el máximo valor de resistencia, cabe esperar que aumenten poco los esfuerzos.

El frenado, sin embargo, sí puede combinarse con las deformaciones impuestas, puesto que la resistencia al desplazamiento de la vía cargada aumenta 1.5 veces.
Combinando las acciones longitudinales, se tienen los siguientes resultados, donde se toma el área de los carriles UIC-60 igual 154 cm^2.

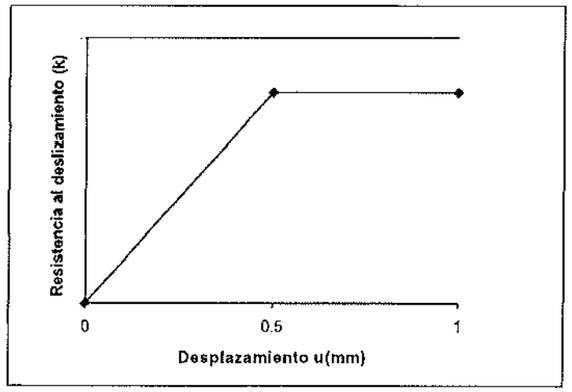
Las cargas consideradas son:

- Reología (ver justificación en el apartado de cargas – efectos reológicos)
- Temperatura:
  - Máximo aumento de temperatura carril: 58.12º.
  - Máximo aumento de temperatura tablero: 38.12º.
- Frenado: 6000 kN repartidos en 300 m.
- Arranque: 1000 kN repartidos en 30 m.
- Sobrecarga vertical de 80 kN/m.

Las fuerzas de frenado, arranque y la sobrecarga vertical están afectadas por el coeficiente de clasificación (a = 1.21 para vía de ancho internacional).

Los valores de las acciones longitudinales transmitidas por el tablero se determinan teniendo en cuenta la resistencia al movimiento relativo entre carril y tablero y la rigidez de todos los elementos de la estructura.
La interacción entre vía y tablero se representa mediante una fuerza de rozamiento constante y de sentido contrario al movimiento relativo de vía y tablero definida por una ley bi-lineal (según la figura) determinada por el desplazamiento de plastificación, u_0, y por la resistencia al deslizamiento, k.
Para el caso que nos ocupa, de vía en placa con fijaciones clásicas, se toman los siguientes valores de u_0 y k:

u_0 = 0.5 mm
k = 40 kN/m para vía descargada
k = 60 kN/m para vía cargada



Los resultados obtenidos son los siguientes

TENSIONES EN EL CARRIL PRODUCIDAS POR ACCIONES LONGITUDINALES
Unidades en MPa

	Estribo E-1	**Vano 2 (nudo 4233)**
Acciones reológicas	70.087	118.047
Frenado	± 14.839	± 13.591
Temperatura	± 74.333	± 42.260
Suma – máxima tracción	**-89.172**	**-55.851**
Suma – máxima compresión	**159.259**	**173.898**

Los valores negativos indican tensiones de tracción, los positivos indican compresión.

Las tensiones obtenidas se compararán con las sobretensiones límites admitidas incrementadas con la tensión correspondiente a una variación de temperatura del carril de ± 50 °C. Como se había previsto en el estudio de soluciones, los resultados en ningún caso superan los límites permitidos, esto es, 177 MPa de compresión y 197 de tracción, por lo que no habrá problemas en este sentido. No obstante, cabe hacer las siguientes observaciones:

a) En las acciones reológicas no se ha tenido en cuenta la aparición con el tiempo de la coacción de la vía al desplazamiento. Esta acción supondría un esfuerzo en el tablero que, con su respectiva fluencia, reduciría considerablemente la deformación introducida en el cálculo.

b) Con la reología, al producir una deformación permanente, con el tiempo y con la ayuda del paso de los trenes, es fácil que se produzca un desplazamiento relativo entre a vía y la estructura liberándose de esta forma las tensiones correspondientes.

c) La acción del frenado corresponde al modelo 71 del Eurocódigo 1. Esta acción es mayor que la que provocaría el tráfico real al que estará sometido el viaducto.

7.6.2. Deformaciones Vía – Estructura

2. DEFORMACIONES VÍA – ESTRUCTURA

El máximo desplazamiento relativo entre carril y tablero o terreno bajo la aplicación de las acciones de frenado y arranque no deberá ser mayor de 4 mm, valor muy superior al obtenido.

En la siguiente tabla se incluyen los máximos desplazamientos entre vía y estructura:

Desplazamiento de la vía: 3.36 mm
Desplazamiento de la estructura: 2.03 mm

Desplazamiento relativo vía – estructura	δ (mm)
Frenado y arranque	1.33

Al aplicar las mismas acciones de arranque y frenado, el máximo desplazamiento absoluto del extremo del tablero junto al estribo móvil no es superior a 30 mm, valor aplicado en el caso concreto en el que existe aparato de dilatación en la vía.

5800

7.6.3. Carrera del Aparato de Dilatación

3. CÁLCULO DE LA CARRERA DE APARATO DE DILATACIÓN

Cuando es necesaria la disposición de un aparato de dilatación es preciso comprobar la carrera del mismo, que deberá ser inferior a la máxima permitida por el aparato de mecanismo.

Cuando el aparato de dilatación se disponga próximo a un estribo del puente, del lado de la plataforma, será necesario tener en cuenta los desplazamientos del extremo del carril por variación de temperatura del mismo (recorrido de respiración).

Esta longitud de respiración será igual a:

$$\delta_{resp} = \pm (\Delta T_c\ \alpha)^2\ E_c\ A_c\ (1/k) = \pm\ 50.00\ mm$$

donde:

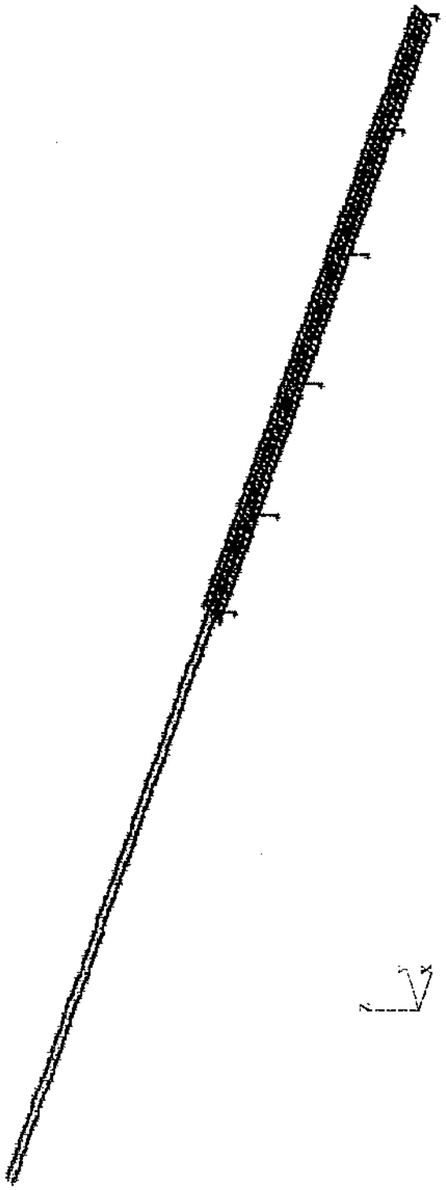
- $\Delta T_c = \pm 50$ °C : variación de temperatura en el carril
- α: coeficiente de dilatación térmica del acero
- E: módulo de elasticidad del acero
- A: área del carril UIC60 = 7700 mm^2
- K = 12 kN/m: resistencia al desplazamiento de la vía

Los desplazamientos máximos y mínimos del lado del puente serán:

DESPLAZAMIENTOS EN ESTRIBO (mm)		
CARGA	Máximo	Mínimo
Frenado	3.4	-3.4
Temperatura	84.1	-84.1
Reología	--	-101.7
Longitud de Respiración	50.00	-50.00
TOTAL	**137.5**	**-239.2**

7.6.4. Modelo de cálculo para la Interacción Vía – Tablero. Nudos, Barras y Características Mecánicas.

Vista general del modelo de cálculo



5802

Nudos

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
1	2.853	-5.600	-1.897			2400 - Interacción_COM 1(UX UY UZ RX RY RZ)
2	4.003	-5.600	-1.897			
3	5.153	-5.600	-1.897			
4	6.303	-5.600	-1.933			
5	7.453	-5.600	-1.970			
6	8.603	-5.600	-1.970			
7	9.753	-5.600	-1.970			
8	10.903	-5.600	-1.970			
9	12.053	-5.600	-1.970			
10	13.203	-5.600	-1.970			
11	14.353	-5.600	-1.970			
12	15.503	-5.600	-1.970			
13	16.653	-5.600	-1.970			
14	17.803	-5.600	-1.970			
15	18.953	-5.600	-1.970			
16	20.103	-5.600	-1.970			
17	21.253	-5.600	-1.970			
18	22.403	-5.600	-1.970			
19	23.553	-5.600	-1.970			
20	24.703	-5.600	-1.970			
21	25.853	-5.600	-1.970			
22	27.003	-5.600	-1.970			
23	28.153	-5.600	-1.970			
24	29.303	-5.600	-1.970			
25	30.453	-5.600	-1.970			
26	31.603	-5.600	-1.970			
27	32.753	-5.600	-1.970			
28	33.903	-5.600	-1.933			
29	35.053	-5.600	-1.897			
30	36.203	-5.600	-1.897			
31	37.353	-5.600	-1.897			2401 - Interacción_COM 1(UX UY UZ RX RY RZ)
32	38.503	-5.600	-1.897			
33	39.653	-5.600	-1.897			
34	40.803	-5.600	-1.933			
35	41.953	-5.600	-1.970			
36	43.103	-5.600	-1.970			
37	44.253	-5.600	-1.970			
38	45.403	-5.600	-1.970			
39	46.553	-5.600	-1.970			
40	47.703	-5.600	-1.970			
41	48.853	-5.600	-1.970			
42	50.003	-5.600	-1.970			
43	51.153	-5.600	-1.970			
44	52.303	-5.600	-1.970			
45	53.453	-5.600	-1.970			
46	54.603	-5.600	-1.970			
47	55.753	-5.600	-1.970			
48	56.903	-5.600	-1.970			
49	58.053	-5.600	-1.970			
50	59.203	-5.600	-1.970			
51	60.353	-5.600	-1.970			
52	61.503	-5.600	-1.970			
53	62.653	-5.600	-1.970			
54	63.803	-5.600	-1.970			
55	64.953	-5.600	-1.970			

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
56	66.103	-5.600	-1.970			
57	67.253	-5.600	-1.970			
58	68.403	-5.600	-1.970			
59	69.553	-5.600	-1.970			
60	70.703	-5.600	-1.970			
61	71.853	-5.600	-1.970			
62	73.003	-5.600	-1.970			
63	74.153	-5.600	-1.970			
64	75.303	-5.600	-1.970			
65	76.453	-5.600	-1.970			
66	77.603	-5.600	-1.970			
67	78.753	-5.600	-1.970			
68	79.903	-5.600	-1.933			
69	81.053	-5.600	-1.897			
70	82.203	-5.600	-1.897			
71	83.353	-5.600	-1.897			2402 - Interacción_COM 1(UX UY UZ RX RY RZ)
72	84.503	-5.600	-1.897			
73	85.653	-5.600	-1.897			
74	86.803	-5.600	-1.933			
75	87.953	-5.600	-1.970			
76	89.103	-5.600	-1.970			
77	90.253	-5.600	-1.970			
78	91.403	-5.600	-1.970			
79	92.553	-5.600	-1.970			
80	93.703	-5.600	-1.970			
81	94.853	-5.600	-1.970			
82	96.003	-5.600	-1.970			
83	97.153	-5.600	-1.970			
84	98.303	-5.600	-1.970			
85	99.453	-5.600	-1.970			
86	100.603	-5.600	-1.970			
87	101.753	-5.600	-1.970			
88	102.903	-5.600	-1.970			
89	104.053	-5.600	-1.970			
90	105.203	-5.600	-1.970			
91	106.353	-5.600	-1.970			
92	107.503	-5.600	-1.970			
93	108.653	-5.600	-1.970			
94	109.803	-5.600	-1.970			
95	110.953	-5.600	-1.970			
96	112.103	-5.600	-1.970			
97	113.253	-5.600	-1.970			
98	114.403	-5.600	-1.970			
99	115.553	-5.600	-1.970			
100	116.703	-5.600	-1.970			
101	117.853	-5.600	-1.970			
102	119.003	-5.600	-1.970			
103	120.153	-5.600	-1.970			
104	121.303	-5.600	-1.970			
105	122.453	-5.600	-1.970			
106	123.603	-5.600	-1.970			
107	124.753	-5.600	-1.970			
108	125.903	-5.600	-1.933			
109	127.053	-5.600	-1.897			
110	128.203	-5.600	-1.897			
111	129.353	-5.600	-1.897			2403 - Interacción_COM 1(UX UY UZ RX RY RZ)
112	130.503	-5.600	-1.897			

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
113	131.653	-5.600	-1.897			
114	132.803	-5.600	-1.933			
115	133.953	-5.600	-1.970			
116	135.103	-5.600	-1.970			
117	136.253	-5.600	-1.970			
118	137.403	-5.600	-1.970			
119	138.553	-5.600	-1.970			
120	139.703	-5.600	-1.970			
121	140.853	-5.600	-1.970			
122	142.003	-5.600	-1.970			
123	143.153	-5.600	-1.970			
124	144.303	-5.600	-1.970			
125	145.453	-5.600	-1.970			
126	146.603	-5.600	-1.970			
127	147.753	-5.600	-1.970			
128	148.903	-5.600	-1.970			
129	150.053	-5.600	-1.970			
130	151.203	-5.600	-1.970			
131	152.353	-5.600	-1.970			
132	153.503	-5.600	-1.970			
133	154.653	-5.600	-1.970			
134	155.803	-5.600	-1.970			
135	156.953	-5.600	-1.970			
136	158.103	-5.600	-1.970			
137	159.253	-5.600	-1.970			
138	160.403	-5.600	-1.970			
139	161.553	-5.600	-1.970			
140	162.703	-5.600	-1.970			
141	163.853	-5.600	-1.970			
142	165.003	-5.600	-1.970			
143	166.153	-5.600	-1.970			
144	167.303	-5.600	-1.970			
145	168.453	-5.600	-1.970			
146	169.603	-5.600	-1.933			
147	170.753	-5.600	-1.897			
148	171.903	-5.600	-1.897			
149	173.053	-5.600	-1.897			2404 - Interacción_COM 1(UX UY UZ RX RY RZ)
150	174.203	-5.600	-1.897			
151	175.353	-5.600	-1.897			
152	176.503	-5.600	-1.933			
153	177.653	-5.600	-1.970			
154	178.803	-5.600	-1.970			
155	179.953	-5.600	-1.970			
156	181.103	-5.600	-1.970			
157	182.253	-5.600	-1.970			
158	183.403	-5.600	-1.970			
159	184.553	-5.600	-1.970			
160	185.703	-5.600	-1.970			
161	186.853	-5.600	-1.970			
162	188.003	-5.600	-1.970			
163	189.153	-5.600	-1.970			
164	190.303	-5.600	-1.970			
165	191.453	-5.600	-1.970			
166	192.603	-5.600	-1.970			
167	193.753	-5.600	-1.970			
168	194.903	-5.600	-1.970			
169	196.053	-5.600	-1.970			

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
170	197.203	-5.600	-1.970			
171	198.353	-5.600	-1.970			
172	199.503	-5.600	-1.970			
173	200.653	-5.600	-1.970			
174	201.803	-5.600	-1.970			
175	202.953	-5.600	-1.970			
176	204.103	-5.600	-1.970			
177	205.253	-5.600	-1.970			
178	206.403	-5.600	-1.970			
179	207.553	-5.600	-1.970			
180	208.703	-5.600	-1.970			
181	209.853	-5.600	-1.970			
182	211.003	-5.600	-1.933			
183	212.153	-5.600	-1.897			
184	213.303	-5.600	-1.897			
185	214.453	-5.600	-1.897			2405 - Interacción_COM 1(UX UY UZ RX RY RZ)
201	1.019	-2.000	-1.897			
202	2.169	-2.000	-1.897			
203	3.319	-2.000	-1.897			
204	4.469	-2.000	-1.933			
205	5.619	-2.000	-1.970			
206	6.769	-2.000	-1.970			
207	7.919	-2.000	-1.970			
208	9.069	-2.000	-1.970			
209	10.219	-2.000	-1.970			
210	11.369	-2.000	-1.970			
211	12.519	-2.000	-1.970			
212	13.669	-2.000	-1.970			
213	14.819	-2.000	-1.970			
214	15.969	-2.000	-1.970			
215	17.119	-2.000	-1.970			
216	18.269	-2.000	-1.970			
217	19.419	-2.000	-1.970			
218	20.569	-2.000	-1.970			
219	21.719	-2.000	-1.970			
220	22.869	-2.000	-1.970			
221	24.019	-2.000	-1.970			
222	25.169	-2.000	-1.970			
223	26.319	-2.000	-1.970			
224	27.469	-2.000	-1.970			
225	28.619	-2.000	-1.970			
226	29.769	-2.000	-1.970			
227	30.919	-2.000	-1.970			
228	32.069	-2.000	-1.933			
229	33.219	-2.000	-1.897			
230	34.369	-2.000	-1.897			
231	35.519	-2.000	-1.897			
232	36.669	-2.000	-1.897			
233	37.819	-2.000	-1.897			
234	38.969	-2.000	-1.933			
235	40.119	-2.000	-1.970			
236	41.269	-2.000	-1.970			
237	42.419	-2.000	-1.970			
238	43.569	-2.000	-1.970			
239	44.719	-2.000	-1.970			
240	45.869	-2.000	-1.970			
241	47.019	-2.000	-1.970			

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
242	48.169	-2.000	-1.970			
243	49.319	-2.000	-1.970			
244	50.469	-2.000	-1.970			
245	51.619	-2.000	-1.970			
246	52.769	-2.000	-1.970			
247	53.919	-2.000	-1.970			
248	55.069	-2.000	-1.970			
249	56.219	-2.000	-1.970			
250	57.369	-2.000	-1.970			
251	58.519	-2.000	-1.970			
252	59.669	-2.000	-1.970			
253	60.819	-2.000	-1.970			
254	61.969	-2.000	-1.970			
255	63.119	-2.000	-1.970			
256	64.269	-2.000	-1.970			
257	65.419	-2.000	-1.970			
258	66.569	-2.000	-1.970			
259	67.719	-2.000	-1.970			
260	68.869	-2.000	-1.970			
261	70.019	-2.000	-1.970			
262	71.169	-2.000	-1.970			
263	72.319	-2.000	-1.970			
264	73.469	-2.000	-1.970			
265	74.619	-2.000	-1.970			
266	75.769	-2.000	-1.970			
267	76.919	-2.000	-1.970			
268	78.069	-2.000	-1.933			
269	79.219	-2.000	-1.897			
270	80.369	-2.000	-1.897			
271	81.519	-2.000	-1.897			
272	82.669	-2.000	-1.897			
273	83.819	-2.000	-1.897			
274	84.969	-2.000	-1.933			
275	86.119	-2.000	-1.970			
276	87.269	-2.000	-1.970			
277	88.419	-2.000	-1.970			
278	89.569	-2.000	-1.970			
279	90.719	-2.000	-1.970			
280	91.869	-2.000	-1.970			
281	93.019	-2.000	-1.970			
282	94.169	-2.000	-1.970			
283	95.319	-2.000	-1.970			
284	96.469	-2.000	-1.970			
285	97.619	-2.000	-1.970			
286	98.769	-2.000	-1.970			
287	99.919	-2.000	-1.970			
288	101.069	-2.000	-1.970			
289	102.219	-2.000	-1.970			
290	103.369	-2.000	-1.970			
291	104.519	-2.000	-1.970			
292	105.669	-2.000	-1.970			
293	106.819	-2.000	-1.970			
294	107.969	-2.000	-1.970			
295	109.119	-2.000	-1.970			
296	110.269	-2.000	-1.970			
297	111.419	-2.000	-1.970			
298	112.569	-2.000	-1.970			

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
299	113.719	-2.000	-1.970			
300	114.869	-2.000	-1.970			
301	116.019	-2.000	-1.970			
302	117.169	-2.000	-1.970			
303	118.319	-2.000	-1.970			
304	119.469	-2.000	-1.970			
305	120.619	-2.000	-1.970			
306	121.769	-2.000	-1.970			
307	122.919	-2.000	-1.970			
308	124.069	-2.000	-1.933			
309	125.219	-2.000	-1.897			
310	126.369	-2.000	-1.897			
311	127.519	-2.000	-1.897			
312	128.669	-2.000	-1.897			
313	129.819	-2.000	-1.897			
314	130.969	-2.000	-1.933			
315	132.119	-2.000	-1.970			
316	133.269	-2.000	-1.970			
317	134.419	-2.000	-1.970			
318	135.569	-2.000	-1.970			
319	136.719	-2.000	-1.970			
320	137.869	-2.000	-1.970			
321	139.019	-2.000	-1.970			
322	140.169	-2.000	-1.970			
323	141.319	-2.000	-1.970			
324	142.469	-2.000	-1.970			
325	143.619	-2.000	-1.970			
326	144.769	-2.000	-1.970			
327	145.919	-2.000	-1.970			
328	147.069	-2.000	-1.970			
329	148.219	-2.000	-1.970			
330	149.369	-2.000	-1.970			
331	150.519	-2.000	-1.970			
332	151.669	-2.000	-1.970			
333	152.819	-2.000	-1.970			
334	153.969	-2.000	-1.970			
335	155.119	-2.000	-1.970			
336	156.269	-2.000	-1.970			
337	157.419	-2.000	-1.970			
338	158.569	-2.000	-1.970			
339	159.719	-2.000	-1.970			
340	160.869	-2.000	-1.970			
341	162.019	-2.000	-1.970			
342	163.169	-2.000	-1.970			
343	164.319	-2.000	-1.970			
344	165.469	-2.000	-1.970			
345	166.619	-2.000	-1.970			
346	167.769	-2.000	-1.933			
347	168.919	-2.000	-1.897			
348	170.069	-2.000	-1.897			
349	171.219	-2.000	-1.897			
350	172.369	-2.000	-1.897			
351	173.519	-2.000	-1.897			
352	174.669	-2.000	-1.933			
353	175.819	-2.000	-1.970			
354	176.969	-2.000	-1.970			
355	178.119	-2.000	-1.970			

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
356	179.269	-2.000	-1.970			
357	180.419	-2.000	-1.970			
358	181.569	-2.000	-1.970			
359	182.719	-2.000	-1.970			
360	183.869	-2.000	-1.970			
361	185.019	-2.000	-1.970			
362	186.169	-2.000	-1.970			
363	187.319	-2.000	-1.970			
364	188.469	-2.000	-1.970			
365	189.619	-2.000	-1.970			
366	190.769	-2.000	-1.970			
367	191.919	-2.000	-1.970			
368	193.069	-2.000	-1.970			
369	194.219	-2.000	-1.970			
370	195.369	-2.000	-1.970			
371	196.519	-2.000	-1.970			
372	197.669	-2.000	-1.970			
373	198.819	-2.000	-1.970			
374	199.969	-2.000	-1.970			
375	201.119	-2.000	-1.970			
376	202.269	-2.000	-1.970			
377	203.419	-2.000	-1.970			
378	204.569	-2.000	-1.970			
379	205.719	-2.000	-1.970			
380	206.869	-2.000	-1.970			
381	208.019	-2.000	-1.970			
382	209.169	-2.000	-1.933			
383	210.319	-2.000	-1.897			
384	211.469	-2.000	-1.897			
385	212.619	-2.000	-1.897			
401	0.0	0.0	-1.897			
403	2.300	0.0	-1.897			
405	4.600	0.0	-1.970			
407	6.900	0.0	-1.970			
409	9.200	0.0	-1.970			
411	11.500	0.0	-1.970			
413	13.800	0.0	-1.970			
415	16.100	0.0	-1.970			
417	18.400	0.0	-1.970			
419	20.700	0.0	-1.970			
421	23.000	0.0	-1.970			
423	25.300	0.0	-1.970			
425	27.600	0.0	-1.970			
427	29.900	0.0	-1.970			
429	32.200	0.0	-1.897			
431	34.500	0.0	-1.897			
433	36.800	0.0	-1.897			
435	39.100	0.0	-1.970			
437	41.400	0.0	-1.970			
439	43.700	0.0	-1.970			
441	46.000	0.0	-1.970			
443	48.300	0.0	-1.970			
445	50.600	0.0	-1.970			
447	52.900	0.0	-1.970			
449	55.200	0.0	-1.970			
451	57.500	0.0	-1.970			
453	59.800	0.0	-1.970			

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
455	62.100	0.0	-1.970			
457	64.400	0.0	-1.970			
459	66.700	0.0	-1.970			
461	69.000	0.0	-1.970			
463	71.300	0.0	-1.970			
465	73.600	0.0	-1.970			
467	75.900	0.0	-1.970			
469	78.200	0.0	-1.897			
471	80.500	0.0	-1.897			
473	82.800	0.0	-1.897			
475	85.100	0.0	-1.970			
477	87.400	0.0	-1.970			
479	89.700	0.0	-1.970			
481	92.000	0.0	-1.970			
483	94.300	0.0	-1.970			
485	96.600	0.0	-1.970			
487	98.900	0.0	-1.970			
489	101.200	0.0	-1.970			
491	103.500	0.0	-1.970			
493	105.800	0.0	-1.970			
495	108.100	0.0	-1.970			
497	110.400	0.0	-1.970			
499	112.700	0.0	-1.970			
501	115.000	0.0	-1.970			
503	117.300	0.0	-1.970			
505	119.600	0.0	-1.970			
507	121.900	0.0	-1.970			
509	124.200	0.0	-1.897			
511	126.500	0.0	-1.897			
513	128.800	0.0	-1.897			
515	131.100	0.0	-1.970			
517	133.400	0.0	-1.970			
519	135.700	0.0	-1.970			
521	138.000	0.0	-1.970			
523	140.300	0.0	-1.970			
525	142.600	0.0	-1.970			
527	144.900	0.0	-1.970			
529	147.200	0.0	-1.970			
531	149.500	0.0	-1.970			
533	151.800	0.0	-1.970			
535	154.100	0.0	-1.970			
537	156.400	0.0	-1.970			
539	158.700	0.0	-1.970			
541	161.000	0.0	-1.970			
543	163.300	0.0	-1.970			
545	165.600	0.0	-1.970			
547	167.900	0.0	-1.897			
549	170.200	0.0	-1.897			
551	172.500	0.0	-1.897			
553	174.800	0.0	-1.970			
555	177.100	0.0	-1.970			
557	179.400	0.0	-1.970			
559	181.700	0.0	-1.970			
561	184.000	0.0	-1.970			
563	186.300	0.0	-1.970			
565	188.600	0.0	-1.970			
567	190.900	0.0	-1.970			

5806

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
569	193.200	0.0	-1.970			
571	195.500	0.0	-1.970			
573	197.800	0.0	-1.970			
575	200.100	0.0	-1.970			
577	202.400	0.0	-1.970			
579	204.700	0.0	-1.970			
581	207.000	0.0	-1.970			
583	209.300	0.0	-1.897			
585	211.600	0.0	-1.897			
601	-1.019	2.000	-1.897			
602	0.131	2.000	-1.897			
603	1.281	2.000	-1.897			
604	2.431	2.000	-1.933			
605	3.581	2.000	-1.970			
606	4.731	2.000	-1.970			
607	5.881	2.000	-1.970			
608	7.031	2.000	-1.970			
609	8.181	2.000	-1.970			
610	9.331	2.000	-1.970			
611	10.481	2.000	-1.970			
612	11.631	2.000	-1.970			
613	12.781	2.000	-1.970			
614	13.931	2.000	-1.970			
615	15.081	2.000	-1.970			
616	16.231	2.000	-1.970			
617	17.381	2.000	-1.970			
618	18.531	2.000	-1.970			
619	19.681	2.000	-1.970			
620	20.831	2.000	-1.970			
621	21.981	2.000	-1.970			
622	23.131	2.000	-1.970			
623	24.281	2.000	-1.970			
624	25.431	2.000	-1.970			
625	26.581	2.000	-1.970			
626	27.731	2.000	-1.970			
627	28.881	2.000	-1.970			
628	30.031	2.000	-1.933			
629	31.181	2.000	-1.897			
630	32.331	2.000	-1.897			
631	33.481	2.000	-1.897			
632	34.631	2.000	-1.897			
633	35.781	2.000	-1.897			
634	36.931	2.000	-1.933			
635	38.081	2.000	-1.970			
636	39.231	2.000	-1.970			
637	40.381	2.000	-1.970			
638	41.531	2.000	-1.970			
639	42.681	2.000	-1.970			
640	43.831	2.000	-1.970			
641	44.981	2.000	-1.970			
642	46.131	2.000	-1.970			
643	47.281	2.000	-1.970			
644	48.431	2.000	-1.970			
645	49.581	2.000	-1.970			
646	50.731	2.000	-1.970			
647	51.881	2.000	-1.970			
648	53.031	2.000	-1.970			

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
649	54.181	2.000	-1.970			
650	55.331	2.000	-1.970			
651	56.481	2.000	-1.970			
652	57.631	2.000	-1.970			
653	58.781	2.000	-1.970			
654	59.931	2.000	-1.970			
655	61.081	2.000	-1.970			
656	62.231	2.000	-1.970			
657	63.381	2.000	-1.970			
658	64.531	2.000	-1.970			
659	65.681	2.000	-1.970			
660	66.831	2.000	-1.970			
661	67.981	2.000	-1.970			
662	69.131	2.000	-1.970			
663	70.281	2.000	-1.970			
664	71.431	2.000	-1.970			
665	72.581	2.000	-1.970			
666	73.731	2.000	-1.970			
667	74.881	2.000	-1.970			
668	76.031	2.000	-1.933			
669	77.181	2.000	-1.897			
670	78.331	2.000	-1.897			
671	79.481	2.000	-1.897			
672	80.631	2.000	-1.897			
673	81.781	2.000	-1.897			
674	82.931	2.000	-1.933			
675	84.081	2.000	-1.970			
676	85.231	2.000	-1.970			
677	86.381	2.000	-1.970			
678	87.531	2.000	-1.970			
679	88.681	2.000	-1.970			
680	89.831	2.000	-1.970			
681	90.981	2.000	-1.970			
682	92.131	2.000	-1.970			
683	93.281	2.000	-1.970			
684	94.431	2.000	-1.970			
685	95.581	2.000	-1.970			
686	96.731	2.000	-1.970			
687	97.881	2.000	-1.970			
688	99.031	2.000	-1.970			
689	100.181	2.000	-1.970			
690	101.331	2.000	-1.970			
691	102.481	2.000	-1.970			
692	103.631	2.000	-1.970			
693	104.781	2.000	-1.970			
694	105.931	2.000	-1.970			
695	107.081	2.000	-1.970			
696	108.231	2.000	-1.970			
697	109.381	2.000	-1.970			
698	110.531	2.000	-1.970			
699	111.681	2.000	-1.970			
700	112.831	2.000	-1.970			
701	113.981	2.000	-1.970			
702	115.131	2.000	-1.970			
703	116.281	2.000	-1.970			
704	117.431	2.000	-1.970			
705	118.581	2.000	-1.970			

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
706	119.731	2.000	-1.970			
707	120.881	2.000	-1.970			
708	122.031	2.000	-1.933			
709	123.181	2.000	-1.897			
710	124.331	2.000	-1.897			
711	125.481	2.000	-1.897			
712	126.631	2.000	-1.897			
713	127.781	2.000	-1.897			
714	128.931	2.000	-1.933			
715	130.081	2.000	-1.970			
716	131.231	2.000	-1.970			
717	132.381	2.000	-1.970			
718	133.531	2.000	-1.970			
719	134.681	2.000	-1.970			
720	135.831	2.000	-1.970			
721	136.981	2.000	-1.970			
722	138.131	2.000	-1.970			
723	139.281	2.000	-1.970			
724	140.431	2.000	-1.970			
725	141.581	2.000	-1.970			
726	142.731	2.000	-1.970			
727	143.881	2.000	-1.970			
728	145.031	2.000	-1.970			
729	146.181	2.000	-1.970			
730	147.331	2.000	-1.970			
731	148.481	2.000	-1.970			
732	149.631	2.000	-1.970			
733	150.781	2.000	-1.970			
734	151.931	2.000	-1.970			
735	153.081	2.000	-1.970			
736	154.231	2.000	-1.970			
737	155.381	2.000	-1.970			
738	156.531	2.000	-1.970			
739	157.681	2.000	-1.970			
740	158.831	2.000	-1.970			
741	159.981	2.000	-1.970			
742	161.131	2.000	-1.970			
743	162.281	2.000	-1.970			
744	163.431	2.000	-1.970			
745	164.581	2.000	-1.970			
746	165.731	2.000	-1.933			
747	166.881	2.000	-1.897			
748	168.031	2.000	-1.897			
749	169.181	2.000	-1.897			
750	170.331	2.000	-1.897			
751	171.481	2.000	-1.897			
752	172.631	2.000	-1.933			
753	173.781	2.000	-1.970			
754	174.931	2.000	-1.970			
755	176.081	2.000	-1.970			
756	177.231	2.000	-1.970			
757	178.381	2.000	-1.970			
758	179.531	2.000	-1.970			
759	180.681	2.000	-1.970			
760	181.831	2.000	-1.970			
761	182.981	2.000	-1.970			
762	184.131	2.000	-1.970			

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
763	185.281	2.000	-1.970			
764	186.431	2.000	-1.970			
765	187.581	2.000	-1.970			
766	188.731	2.000	-1.970			
767	189.881	2.000	-1.970			
768	191.031	2.000	-1.970			
769	192.181	2.000	-1.970			
770	193.331	2.000	-1.970			
771	194.481	2.000	-1.970			
772	195.631	2.000	-1.970			
773	196.781	2.000	-1.970			
774	197.931	2.000	-1.970			
775	199.081	2.000	-1.970			
776	200.231	2.000	-1.970			
777	201.381	2.000	-1.970			
778	202.531	2.000	-1.970			
779	203.681	2.000	-1.970			
780	204.831	2.000	-1.970			
781	205.981	2.000	-1.970			
782	207.131	2.000	-1.933			
783	208.281	2.000	-1.897			
784	209.431	2.000	-1.897			
785	210.581	2.000	-1.897			
801	-2.853	5.600	-1.897			2500 - Interacción_COM 1(UX UY UZ RX RY RZ)
802	-1.703	5.600	-1.897			
803	-0.553	5.600	-1.897			
804	0.597	5.600	-1.933			
805	1.747	5.600	-1.970			
806	2.897	5.600	-1.970			
807	4.047	5.600	-1.970			
808	5.197	5.600	-1.970			
809	6.347	5.600	-1.970			
810	7.497	5.600	-1.970			
811	8.647	5.600	-1.970			
812	9.797	5.600	-1.970			
813	10.947	5.600	-1.970			
814	12.097	5.600	-1.970			
815	13.247	5.600	-1.970			
816	14.397	5.600	-1.970			
817	15.547	5.600	-1.970			
818	16.697	5.600	-1.970			
819	17.847	5.600	-1.970			
820	18.997	5.600	-1.970			
821	20.147	5.600	-1.970			
822	21.297	5.600	-1.970			
823	22.447	5.600	-1.970			
824	23.597	5.600	-1.970			
825	24.747	5.600	-1.970			
826	25.897	5.600	-1.970			
827	27.047	5.600	-1.970			
828	28.197	5.600	-1.933			
829	29.347	5.600	-1.897			
830	30.497	5.600	-1.897			
831	31.647	5.600	-1.897			2501 - Interacción_COM 1(UX UY UZ RX RY RZ)
832	32.797	5.600	-1.897			
833	33.947	5.600	-1.897			
834	35.097	5.600	-1.933			

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
835	36.247	5.600	-1.970			
836	37.397	5.600	-1.970			
837	38.547	5.600	-1.970			
838	39.697	5.600	-1.970			
839	40.847	5.600	-1.970			
840	41.997	5.600	-1.970			
841	43.147	5.600	-1.970			
842	44.297	5.600	-1.970			
843	45.447	5.600	-1.970			
844	46.597	5.600	-1.970			
845	47.747	5.600	-1.970			
846	48.897	5.600	-1.970			
847	50.047	5.600	-1.970			
848	51.197	5.600	-1.970			
849	52.347	5.600	-1.970			
850	53.497	5.600	-1.970			
851	54.647	5.600	-1.970			
852	55.797	5.600	-1.970			
853	56.947	5.600	-1.970			
854	58.097	5.600	-1.970			
855	59.247	5.600	-1.970			
856	60.397	5.600	-1.970			
857	61.547	5.600	-1.970			
858	62.697	5.600	-1.970			
859	63.847	5.600	-1.970			
860	64.997	5.600	-1.970			
861	66.147	5.600	-1.970			
862	67.297	5.600	-1.970			
863	68.447	5.600	-1.970			
864	69.597	5.600	-1.970			
865	70.747	5.600	-1.970			
866	71.897	5.600	-1.970			
867	73.047	5.600	-1.970			
868	74.197	5.600	-1.933			
869	75.347	5.600	-1.897			
870	76.497	5.600	-1.897			
871	77.647	5.600	-1.897			2502 - Interacción_COM 1(UX UY UZ RX RY RZ)
872	78.797	5.600	-1.897			
873	79.947	5.600	-1.897			
874	81.097	5.600	-1.933			
875	82.247	5.600	-1.970			
876	83.397	5.600	-1.970			
877	84.547	5.600	-1.970			
878	85.697	5.600	-1.970			
879	86.847	5.600	-1.970			
880	87.997	5.600	-1.970			
881	89.147	5.600	-1.970			
882	90.297	5.600	-1.970			
883	91.447	5.600	-1.970			
884	92.597	5.600	-1.970			
885	93.747	5.600	-1.970			
886	94.897	5.600	-1.970			
887	96.047	5.600	-1.970			
888	97.197	5.600	-1.970			
889	98.347	5.600	-1.970			
890	99.497	5.600	-1.970			
891	100.647	5.600	-1.970			

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
892	101.797	5.600	-1.970			
893	102.947	5.600	-1.970			
894	104.097	5.600	-1.970			
895	105.247	5.600	-1.970			
896	106.397	5.600	-1.970			
897	107.547	5.600	-1.970			
898	108.697	5.600	-1.970			
899	109.847	5.600	-1.970			
900	110.997	5.600	-1.970			
901	112.147	5.600	-1.970			
902	113.297	5.600	-1.970			
903	114.447	5.600	-1.970			
904	115.597	5.600	-1.970			
905	116.747	5.600	-1.970			
906	117.897	5.600	-1.970			
907	119.047	5.600	-1.970			
908	120.197	5.600	-1.933			
909	121.347	5.600	-1.897			
910	122.497	5.600	-1.897			
911	123.647	5.600	-1.897			2503 - Interacción_COM 1(UX UY UZ RX RY RZ)
912	124.797	5.600	-1.897			
913	125.947	5.600	-1.897			
914	127.097	5.600	-1.933			
915	128.247	5.600	-1.970			
916	129.397	5.600	-1.970			
917	130.547	5.600	-1.970			
918	131.697	5.600	-1.970			
919	132.847	5.600	-1.970			
920	133.997	5.600	-1.970			
921	135.147	5.600	-1.970			
922	136.297	5.600	-1.970			
923	137.447	5.600	-1.970			
924	138.597	5.600	-1.970			
925	139.747	5.600	-1.970			
926	140.897	5.600	-1.970			
927	142.047	5.600	-1.970			
928	143.197	5.600	-1.970			
929	144.347	5.600	-1.970			
930	145.497	5.600	-1.970			
931	146.647	5.600	-1.970			
932	147.797	5.600	-1.970			
933	148.947	5.600	-1.970			
934	150.097	5.600	-1.970			
935	151.247	5.600	-1.970			
936	152.397	5.600	-1.970			
937	153.547	5.600	-1.970			
938	154.697	5.600	-1.970			
939	155.847	5.600	-1.970			
940	156.997	5.600	-1.970			
941	158.147	5.600	-1.970			
942	159.297	5.600	-1.970			
943	160.447	5.600	-1.970			
944	161.597	5.600	-1.970			
945	162.747	5.600	-1.970			
946	163.897	5.600	-1.933			
947	165.047	5.600	-1.897			
948	166.197	5.600	-1.897			

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
949	167.347	5.600	-1.897			2504 - Interacción_COM 1(UX UY UZ RX RY RZ)
950	168.497	5.600	-1.897			
951	169.647	5.600	-1.897			
952	170.797	5.600	-1.933			
953	171.947	5.600	-1.970			
954	173.097	5.600	-1.970			
955	174.247	5.600	-1.970			
956	175.397	5.600	-1.970			
957	176.547	5.600	-1.970			
958	177.697	5.600	-1.970			
959	178.847	5.600	-1.970			
960	179.997	5.600	-1.970			
961	181.147	5.600	-1.970			
962	182.297	5.600	-1.970			
963	183.447	5.600	-1.970			
964	184.597	5.600	-1.970			
965	185.747	5.600	-1.970			
966	186.897	5.600	-1.970			
967	188.047	5.600	-1.970			
968	189.197	5.600	-1.970			
969	190.347	5.600	-1.970			
970	191.497	5.600	-1.970			
971	192.647	5.600	-1.970			
972	193.797	5.600	-1.970			
973	194.947	5.600	-1.970			
974	196.097	5.600	-1.970			
975	197.247	5.600	-1.970			
976	198.397	5.600	-1.970			
977	199.547	5.600	-1.970			
978	200.697	5.600	-1.970			
979	201.847	5.600	-1.970			
980	202.997	5.600	-1.970			
981	204.147	5.600	-1.970			
982	205.297	5.600	-1.933			
983	206.447	5.600	-1.897			
984	207.597	5.600	-1.897			
985	208.747	5.600	-1.897			2505 - Interacción_COM 1(UX UY UZ RX RY RZ)
2000	0.0	0.0	-7.997	ffffff	Interacción_APO 1	
2001	34.500	0.0	-9.997	ffffff	Interacción_APO 1	
2002	80.500	0.0	-9.997	ffffff	Interacción_APO 1	
2003	126.500	0.0	-9.997	ffffff	Interacción_APO 1	
2004	170.200	0.0	-7.997	ffffff	Interacción_APO 1	
2005	211.600	0.0	-5.997	ffffff	Interacción_APO 1	
2100	0.0	0.0	-1.997			
2101	34.500	0.0	-1.997			
2102	80.500	0.0	-1.997			
2103	126.500	0.0	-1.997			
2104	170.200	0.0	-1.997			
2105	211.600	0.0	-1.997			
2200	2.853	-5.600	-1.997			
2201	37.353	-5.600	-1.997			
2202	83.353	-5.600	-1.997			
2203	129.353	-5.600	-1.997			
2204	173.053	-5.600	-1.997			
2205	214.453	-5.600	-1.997			
2300	-2.853	5.600	-1.997			
2301	31.647	5.600	-1.997			

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
2302	77.647	5.600	-1.997			
2303	123.647	5.600	-1.997			
2304	167.347	5.600	-1.997			
2305	208.747	5.600	-1.997			
2400	2.853	-5.600	-1.897			1 - Interacción_COM 1(UX UY UZ RX RY RZ)
2401	37.353	-5.600	-1.897			31 - Interacción_COM 1(UX UY UZ RX RY RZ)
2402	83.353	-5.600	-1.897			71 - Interacción_COM 1(UX UY UZ RX RY RZ)
2403	129.353	-5.600	-1.897			111 - Interacción_COM 1(UX UY UZ RX RY RZ)
2404	173.053	-5.600	-1.897			149 - Interacción_COM 1(UX UY UZ RX RY RZ)
2405	214.453	-5.600	-1.897			185 - Interacción_COM 1(UX UY UZ RX RY RZ)
2500	-2.853	5.600	-1.897			801 - Interacción_COM 1(UX UY UZ RX RY RZ)
2501	31.647	5.600	-1.897			831 - Interacción_COM 1(UX UY UZ RX RY RZ)
2502	77.647	5.600	-1.897			871 - Interacción_COM 1(UX UY UZ RX RY RZ)
2503	123.647	5.600	-1.897			911 - Interacción_COM 1(UX UY UZ RX RY RZ)
2504	167.347	5.600	-1.897			949 - Interacción_COM 1(UX UY UZ RX RY RZ)
2505	208.747	5.600	-1.897			985 - Interacción_COM 1(UX UY UZ RX RY RZ)
4201	1.019	-2.000	-1.797			5201 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4202	2.169	-2.000	-1.797			5202 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4203	3.319	-2.000	-1.797			5203 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4204	4.469	-2.000	-1.797			5204 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4205	5.619	-2.000	-1.797			5205 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4206	6.769	-2.000	-1.797			5206 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4207	7.919	-2.000	-1.797			5207 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4208	9.069	-2.000	-1.797			5208 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4209	10.219	-2.000	-1.797			5209 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4210	11.369	-2.000	-1.797			5210 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4211	12.519	-2.000	-1.797			5211 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4212	13.669	-2.000	-1.797			5212 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4213	14.819	-2.000	-1.797			5213 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4214	15.969	-2.000	-1.797			5214 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4215	17.119	-2.000	-1.797			5215 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4216	18.269	-2.000	-1.797			5216 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4217	19.419	-2.000	-1.797			5217 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4218	20.569	-2.000	-1.797			5218 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4219	21.719	-2.000	-1.797			5219 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4220	22.869	-2.000	-1.797			5220 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4221	24.019	-2.000	-1.797			5221 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4222	25.169	-2.000	-1.797			5222 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4223	26.319	-2.000	-1.797			5223 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4224	27.469	-2.000	-1.797			5224 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4225	28.619	-2.000	-1.797			5225 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4226	29.769	-2.000	-1.797			5226 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4227	30.919	-2.000	-1.797			5227 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4228	32.069	-2.000	-1.797			5228 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4229	33.219	-2.000	-1.797			5229 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4230	34.369	-2.000	-1.797			5230 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4231	35.519	-2.000	-1.797			5231 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4232	36.669	-2.000	-1.797			5232 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4233	37.819	-2.000	-1.797			5233 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4234	38.969	-2.000	-1.797			5234 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4235	40.119	-2.000	-1.797			5235 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4236	41.269	-2.000	-1.797			5236 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4237	42.419	-2.000	-1.797			5237 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4238	43.569	-2.000	-1.797			5238 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4239	44.719	-2.000	-1.797			5239 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4240	45.869	-2.000	-1.797			5240 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4241	47.019	-2.000	-1.797			5241 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
4242	48.169	-2.000	-1.797			5242 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4243	49.319	-2.000	-1.797			5243 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4244	50.469	-2.000	-1.797			5244 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4245	51.619	-2.000	-1.797			5245 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4246	52.769	-2.000	-1.797			5246 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4247	53.919	-2.000	-1.797			5247 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4248	55.069	-2.000	-1.797			5248 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4249	56.219	-2.000	-1.797			5249 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4250	57.369	-2.000	-1.797			5250 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4251	58.519	-2.000	-1.797			5251 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4252	59.669	-2.000	-1.797			5252 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4253	60.819	-2.000	-1.797			5253 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4254	61.969	-2.000	-1.797			5254 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4255	63.119	-2.000	-1.797			5255 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4256	64.269	-2.000	-1.797			5256 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4257	65.419	-2.000	-1.797			5257 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4258	66.569	-2.000	-1.797			5258 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4259	67.719	-2.000	-1.797			5259 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4260	68.869	-2.000	-1.797			5260 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4261	70.019	-2.000	-1.797			5261 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4262	71.169	-2.000	-1.797			5262 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4263	72.319	-2.000	-1.797			5263 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4264	73.469	-2.000	-1.797			5264 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4265	74.619	-2.000	-1.797			5265 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4266	75.769	-2.000	-1.797			5266 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4267	76.919	-2.000	-1.797			5267 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4268	78.069	-2.000	-1.797			5268 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4269	79.219	-2.000	-1.797			5269 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4270	80.369	-2.000	-1.797			5270 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4271	81.519	-2.000	-1.797			5271 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4272	82.669	-2.000	-1.797			5272 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4273	83.819	-2.000	-1.797			5273 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4274	84.969	-2.000	-1.797			5274 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4275	86.119	-2.000	-1.797			5275 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4276	87.269	-2.000	-1.797			5276 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4277	88.419	-2.000	-1.797			5277 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4278	89.569	-2.000	-1.797			5278 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4279	90.719	-2.000	-1.797			5279 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4280	91.869	-2.000	-1.797			5280 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4281	93.019	-2.000	-1.797			5281 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4282	94.169	-2.000	-1.797			5282 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4283	95.319	-2.000	-1.797			5283 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4284	96.469	-2.000	-1.797			5284 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4285	97.619	-2.000	-1.797			5285 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4286	98.769	-2.000	-1.797			5286 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4287	99.919	-2.000	-1.797			5287 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4288	101.069	-2.000	-1.797			5288 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4289	102.219	-2.000	-1.797			5289 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4290	103.369	-2.000	-1.797			5290 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4291	104.519	-2.000	-1.797			5291 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4292	105.669	-2.000	-1.797			5292 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4293	106.819	-2.000	-1.797			5293 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4294	107.969	-2.000	-1.797			5294 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4295	109.119	-2.000	-1.797			5295 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4296	110.269	-2.000	-1.797			5296 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4297	111.419	-2.000	-1.797			5297 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4298	112.569	-2.000	-1.797			5298 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
4299	113.719	-2.000	-1.797			5299 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4300	114.869	-2.000	-1.797			5300 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4301	116.019	-2.000	-1.797			5301 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4302	117.169	-2.000	-1.797			5302 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4303	118.319	-2.000	-1.797			5303 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4304	119.469	-2.000	-1.797			5304 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4305	120.619	-2.000	-1.797			5305 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4306	121.769	-2.000	-1.797			5306 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4307	122.919	-2.000	-1.797			5307 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4308	124.069	-2.000	-1.797			5308 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4309	125.219	-2.000	-1.797			5309 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4310	126.369	-2.000	-1.797			5310 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4311	127.519	-2.000	-1.797			5311 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4312	128.669	-2.000	-1.797			5312 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4313	129.819	-2.000	-1.797			5313 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4314	130.969	-2.000	-1.797			5314 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4315	132.119	-2.000	-1.797			5315 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4316	133.269	-2.000	-1.797			5316 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4317	134.419	-2.000	-1.797			5317 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4318	135.569	-2.000	-1.797			5318 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4319	136.719	-2.000	-1.797			5319 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4320	137.869	-2.000	-1.797			5320 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4321	139.019	-2.000	-1.797			5321 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4322	140.169	-2.000	-1.797			5322 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4323	141.319	-2.000	-1.797			5323 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4324	142.469	-2.000	-1.797			5324 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4325	143.619	-2.000	-1.797			5325 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4326	144.769	-2.000	-1.797			5326 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4327	145.919	-2.000	-1.797			5327 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4328	147.069	-2.000	-1.797			5328 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4329	148.219	-2.000	-1.797			5329 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4330	149.369	-2.000	-1.797			5330 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4331	150.519	-2.000	-1.797			5331 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4332	151.669	-2.000	-1.797			5332 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4333	152.819	-2.000	-1.797			5333 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4334	153.969	-2.000	-1.797			5334 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4335	155.119	-2.000	-1.797			5335 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4336	156.269	-2.000	-1.797			5336 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4337	157.419	-2.000	-1.797			5337 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4338	158.569	-2.000	-1.797			5338 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4339	159.719	-2.000	-1.797			5339 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4340	160.869	-2.000	-1.797			5340 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4341	162.019	-2.000	-1.797			5341 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4342	163.169	-2.000	-1.797			5342 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4343	164.319	-2.000	-1.797			5343 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4344	165.469	-2.000	-1.797			5344 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4345	166.619	-2.000	-1.797			5345 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4346	167.769	-2.000	-1.797			5346 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4347	168.919	-2.000	-1.797			5347 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4348	170.069	-2.000	-1.797			5348 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4349	171.219	-2.000	-1.797			5349 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4350	172.369	-2.000	-1.797			5350 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4351	173.519	-2.000	-1.797			5351 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4352	174.669	-2.000	-1.797			5352 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4353	175.819	-2.000	-1.797			5353 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4354	176.969	-2.000	-1.797			5354 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4355	178.119	-2.000	-1.797			5355 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
4356	179.269	-2.000	-1.797			5356 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4357	180.419	-2.000	-1.797			5357 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4358	181.569	-2.000	-1.797			5358 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4359	182.719	-2.000	-1.797			5359 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4360	183.869	-2.000	-1.797			5360 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4361	185.019	-2.000	-1.797			5361 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4362	186.169	-2.000	-1.797			5362 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4363	187.319	-2.000	-1.797			5363 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4364	188.469	-2.000	-1.797			5364 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4365	189.619	-2.000	-1.797			5365 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4366	190.769	-2.000	-1.797			5366 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4367	191.919	-2.000	-1.797			5367 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4368	193.069	-2.000	-1.797			5368 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4369	194.219	-2.000	-1.797			5369 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4370	195.369	-2.000	-1.797			5370 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4371	196.519	-2.000	-1.797			5371 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4372	197.669	-2.000	-1.797			5372 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4373	198.819	-2.000	-1.797			5373 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4374	199.969	-2.000	-1.797			5374 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4375	201.119	-2.000	-1.797			5375 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4376	202.269	-2.000	-1.797			5376 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4377	203.419	-2.000	-1.797			5377 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4378	204.569	-2.000	-1.797			5378 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4379	205.719	-2.000	-1.797			5379 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4380	206.869	-2.000	-1.797			5380 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4381	208.019	-2.000	-1.797			5381 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4382	209.169	-2.000	-1.797			5382 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4383	210.319	-2.000	-1.797			5383 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4384	211.469	-2.000	-1.797			5384 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4385	212.619	-2.000	-1.797			5385 - Compat_cargado_0.575(UX-nollneal UY UZ RX RY
4601	-1.019	2.000	-1.797			5601 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4602	0.131	2.000	-1.797			5602 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4603	1.281	2.000	-1.797			5603 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4604	2.431	2.000	-1.797			5604 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4605	3.581	2.000	-1.797			5605 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4606	4.731	2.000	-1.797			5606 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4607	5.881	2.000	-1.797			5607 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4608	7.031	2.000	-1.797			5608 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4609	8.181	2.000	-1.797			5609 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4610	9.331	2.000	-1.797			5610 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4611	10.481	2.000	-1.797			5611 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4612	11.631	2.000	-1.797			5612 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4613	12.781	2.000	-1.797			5613 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4614	13.931	2.000	-1.797			5614 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4615	15.081	2.000	-1.797			5615 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4616	16.231	2.000	-1.797			5616 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4617	17.381	2.000	-1.797			5617 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4618	18.531	2.000	-1.797			5618 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4619	19.681	2.000	-1.797			5619 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4620	20.831	2.000	-1.797			5620 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4621	21.981	2.000	-1.797			5621 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4622	23.131	2.000	-1.797			5622 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4623	24.281	2.000	-1.797			5623 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4624	25.431	2.000	-1.797			5624 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4625	26.581	2.000	-1.797			5625 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4626	27.731	2.000	-1.797			5626 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4627	28.881	2.000	-1.797			5627 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
4628	30.031	2.000	-1.797			5628 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4629	31.181	2.000	-1.797			5629 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4630	32.331	2.000	-1.797			5630 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4631	33.481	2.000	-1.797			5631 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4632	34.631	2.000	-1.797			5632 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4633	35.781	2.000	-1.797			5633 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4634	36.931	2.000	-1.797			5634 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4635	38.081	2.000	-1.797			5635 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4636	39.231	2.000	-1.797			5636 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4637	40.381	2.000	-1.797			5637 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4638	41.531	2.000	-1.797			5638 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4639	42.681	2.000	-1.797			5639 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4640	43.831	2.000	-1.797			5640 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4641	44.981	2.000	-1.797			5641 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4642	46.131	2.000	-1.797			5642 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4643	47.281	2.000	-1.797			5643 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4644	48.431	2.000	-1.797			5644 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4645	49.581	2.000	-1.797			5645 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4646	50.731	2.000	-1.797			5646 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4647	51.881	2.000	-1.797			5647 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4648	53.031	2.000	-1.797			5648 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4649	54.181	2.000	-1.797			5649 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4650	55.331	2.000	-1.797			5650 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4651	56.481	2.000	-1.797			5651 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4652	57.631	2.000	-1.797			5652 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4653	58.781	2.000	-1.797			5653 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4654	59.931	2.000	-1.797			5654 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4655	61.081	2.000	-1.797			5655 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4656	62.231	2.000	-1.797			5656 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4657	63.381	2.000	-1.797			5657 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4658	64.531	2.000	-1.797			5658 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4659	65.681	2.000	-1.797			5659 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4660	66.831	2.000	-1.797			5660 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4661	67.981	2.000	-1.797			5661 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4662	69.131	2.000	-1.797			5662 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4663	70.281	2.000	-1.797			5663 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4664	71.431	2.000	-1.797			5664 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4665	72.581	2.000	-1.797			5665 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4666	73.731	2.000	-1.797			5666 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4667	74.881	2.000	-1.797			5667 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4668	76.031	2.000	-1.797			5668 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4669	77.181	2.000	-1.797			5669 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4670	78.331	2.000	-1.797			5670 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4671	79.481	2.000	-1.797			5671 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4672	80.631	2.000	-1.797			5672 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4673	81.781	2.000	-1.797			5673 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4674	82.931	2.000	-1.797			5674 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4675	84.081	2.000	-1.797			5675 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4676	85.231	2.000	-1.797			5676 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4677	86.381	2.000	-1.797			5677 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4678	87.531	2.000	-1.797			5678 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4679	88.681	2.000	-1.797			5679 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4680	89.831	2.000	-1.797			5680 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4681	90.981	2.000	-1.797			5681 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4682	92.131	2.000	-1.797			5682 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4683	93.281	2.000	-1.797			5683 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4684	94.431	2.000	-1.797			5684 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
4685	95.581	2.000	-1.797			5685 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4686	96.731	2.000	-1.797			5686 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4687	97.881	2.000	-1.797			5687 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4688	99.031	2.000	-1.797			5688 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4689	100.181	2.000	-1.797			5689 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4690	101.331	2.000	-1.797			5690 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4691	102.481	2.000	-1.797			5691 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4692	103.631	2.000	-1.797			5692 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4693	104.781	2.000	-1.797			5693 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4694	105.931	2.000	-1.797			5694 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4695	107.081	2.000	-1.797			5695 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4696	108.231	2.000	-1.797			5696 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4697	109.381	2.000	-1.797			5697 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4698	110.531	2.000	-1.797			5698 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4699	111.681	2.000	-1.797			5699 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4700	112.831	2.000	-1.797			5700 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4701	113.981	2.000	-1.797			5701 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4702	115.131	2.000	-1.797			5702 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4703	116.281	2.000	-1.797			5703 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4704	117.431	2.000	-1.797			5704 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4705	118.581	2.000	-1.797			5705 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4706	119.731	2.000	-1.797			5706 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4707	120.881	2.000	-1.797			5707 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4708	122.031	2.000	-1.797			5708 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4709	123.181	2.000	-1.797			5709 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4710	124.331	2.000	-1.797			5710 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4711	125.481	2.000	-1.797			5711 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4712	126.631	2.000	-1.797			5712 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4713	127.781	2.000	-1.797			5713 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4714	128.931	2.000	-1.797			5714 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4715	130.081	2.000	-1.797			5715 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4716	131.231	2.000	-1.797			5716 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4717	132.381	2.000	-1.797			5717 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4718	133.531	2.000	-1.797			5718 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4719	134.681	2.000	-1.797			5719 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4720	135.831	2.000	-1.797			5720 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4721	136.981	2.000	-1.797			5721 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4722	138.131	2.000	-1.797			5722 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4723	139.281	2.000	-1.797			5723 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4724	140.431	2.000	-1.797			5724 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4725	141.581	2.000	-1.797			5725 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4726	142.731	2.000	-1.797			5726 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4727	143.881	2.000	-1.797			5727 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4728	145.031	2.000	-1.797			5728 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4729	146.181	2.000	-1.797			5729 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4730	147.331	2.000	-1.797			5730 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4731	148.481	2.000	-1.797			5731 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4732	149.631	2.000	-1.797			5732 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4733	150.781	2.000	-1.797			5733 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4734	151.931	2.000	-1.797			5734 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4735	153.081	2.000	-1.797			5735 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4736	154.231	2.000	-1.797			5736 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4737	155.381	2.000	-1.797			5737 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4738	156.531	2.000	-1.797			5738 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4739	157.681	2.000	-1.797			5739 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4740	158.831	2.000	-1.797			5740 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4741	159.981	2.000	-1.797			5741 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
4742	161.131	2.000	-1.797			5742 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4743	162.281	2.000	-1.797			5743 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4744	163.431	2.000	-1.797			5744 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4745	164.581	2.000	-1.797			5745 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4746	165.731	2.000	-1.797			5746 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4747	166.881	2.000	-1.797			5747 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4748	168.031	2.000	-1.797			5748 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4749	169.181	2.000	-1.797			5749 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4750	170.331	2.000	-1.797			5750 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4751	171.481	2.000	-1.797			5751 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4752	172.631	2.000	-1.797			5752 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4753	173.781	2.000	-1.797			5753 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4754	174.931	2.000	-1.797			5754 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4755	176.081	2.000	-1.797			5755 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4756	177.231	2.000	-1.797			5756 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4757	178.381	2.000	-1.797			5757 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4758	179.531	2.000	-1.797			5758 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4759	180.681	2.000	-1.797			5759 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4760	181.831	2.000	-1.797			5760 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4761	182.981	2.000	-1.797			5761 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4762	184.131	2.000	-1.797			5762 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4763	185.281	2.000	-1.797			5763 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4764	186.431	2.000	-1.797			5764 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4765	187.581	2.000	-1.797			5765 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4766	188.731	2.000	-1.797			5766 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4767	189.881	2.000	-1.797			5767 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4768	191.031	2.000	-1.797			5768 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4769	192.181	2.000	-1.797			5769 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4770	193.331	2.000	-1.797			5770 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4771	194.481	2.000	-1.797			5771 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4772	195.631	2.000	-1.797			5772 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4773	196.781	2.000	-1.797			5773 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4774	197.931	2.000	-1.797			5774 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4775	199.081	2.000	-1.797			5775 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4776	200.231	2.000	-1.797			5776 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4777	201.381	2.000	-1.797			5777 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4778	202.531	2.000	-1.797			5778 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4779	203.681	2.000	-1.797			5779 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4780	204.831	2.000	-1.797			5780 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4781	205.981	2.000	-1.797			5781 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4782	207.131	2.000	-1.797			5782 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4783	208.281	2.000	-1.797			5783 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4784	209.431	2.000	-1.797			5784 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
4785	210.581	2.000	-1.797			5785 - Compat_cargado_0.575(UX-nolineal UY UZ RX RY
5201	1.019	-2.000	-1.797			4201 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5202	2.169	-2.000	-1.797			4202 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5203	3.319	-2.000	-1.797			4203 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5204	4.469	-2.000	-1.797			4204 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5205	5.619	-2.000	-1.797			4205 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5206	6.769	-2.000	-1.797			4206 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5207	7.919	-2.000	-1.797			4207 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5208	9.069	-2.000	-1.797			4208 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5209	10.219	-2.000	-1.797			4209 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5210	11.369	-2.000	-1.797			4210 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5211	12.519	-2.000	-1.797			4211 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5212	13.669	-2.000	-1.797			4212 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5213	14.819	-2.000	-1.797			4213 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
5214	15.969	-2.000	-1.797			4214 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5215	17.119	-2.000	-1.797			4215 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5216	18.269	-2.000	-1.797			4216 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5217	19.419	-2.000	-1.797			4217 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5218	20.569	-2.000	-1.797			4218 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5219	21.719	-2.000	-1.797			4219 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5220	22.869	-2.000	-1.797			4220 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5221	24.019	-2.000	-1.797			4221 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5222	25.169	-2.000	-1.797			4222 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5223	26.319	-2.000	-1.797			4223 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5224	27.469	-2.000	-1.797			4224 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5225	28.619	-2.000	-1.797			4225 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5226	29.769	-2.000	-1.797			4226 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5227	30.919	-2.000	-1.797			4227 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5228	32.069	-2.000	-1.797			4228 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5229	33.219	-2.000	-1.797			4229 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5230	34.369	-2.000	-1.797			4230 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5231	35.519	-2.000	-1.797			4231 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5232	36.669	-2.000	-1.797			4232 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5233	37.819	-2.000	-1.797			4233 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5234	38.969	-2.000	-1.797			4234 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5235	40.119	-2.000	-1.797			4235 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5236	41.269	-2.000	-1.797			4236 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5237	42.419	-2.000	-1.797			4237 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5238	43.569	-2.000	-1.797			4238 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5239	44.719	-2.000	-1.797			4239 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5240	45.869	-2.000	-1.797			4240 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5241	47.019	-2.000	-1.797			4241 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5242	48.169	-2.000	-1.797			4242 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5243	49.319	-2.000	-1.797			4243 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5244	50.469	-2.000	-1.797			4244 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5245	51.619	-2.000	-1.797			4245 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5246	52.769	-2.000	-1.797			4246 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5247	53.919	-2.000	-1.797			4247 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5248	55.069	-2.000	-1.797			4248 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5249	56.219	-2.000	-1.797			4249 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5250	57.369	-2.000	-1.797			4250 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5251	58.519	-2.000	-1.797			4251 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5252	59.669	-2.000	-1.797			4252 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5253	60.819	-2.000	-1.797			4253 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5254	61.969	-2.000	-1.797			4254 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5255	63.119	-2.000	-1.797			4255 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5256	64.269	-2.000	-1.797			4256 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5257	65.419	-2.000	-1.797			4257 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5258	66.569	-2.000	-1.797			4258 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5259	67.719	-2.000	-1.797			4259 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5260	68.869	-2.000	-1.797			4260 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5261	70.019	-2.000	-1.797			4261 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5262	71.169	-2.000	-1.797			4262 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5263	72.319	-2.000	-1.797			4263 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5264	73.469	-2.000	-1.797			4264 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5265	74.619	-2.000	-1.797			4265 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5266	75.769	-2.000	-1.797			4266 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5267	76.919	-2.000	-1.797			4267 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5268	78.069	-2.000	-1.797			4268 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5269	79.219	-2.000	-1.797			4269 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5270	80.369	-2.000	-1.797			4270 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
5271	81.519	-2.000	-1.797			4271 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5272	82.669	-2.000	-1.797			4272 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5273	83.819	-2.000	-1.797			4273 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5274	84.969	-2.000	-1.797			4274 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5275	86.119	-2.000	-1.797			4275 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5276	87.269	-2.000	-1.797			4276 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5277	88.419	-2.000	-1.797			4277 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5278	89.569	-2.000	-1.797			4278 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5279	90.719	-2.000	-1.797			4279 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5280	91.869	-2.000	-1.797			4280 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5281	93.019	-2.000	-1.797			4281 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5282	94.169	-2.000	-1.797			4282 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5283	95.319	-2.000	-1.797			4283 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5284	96.469	-2.000	-1.797			4284 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5285	97.619	-2.000	-1.797			4285 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5286	98.769	-2.000	-1.797			4286 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5287	99.919	-2.000	-1.797			4287 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5288	101.069	-2.000	-1.797			4288 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5289	102.219	-2.000	-1.797			4289 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5290	103.369	-2.000	-1.797			4290 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5291	104.519	-2.000	-1.797			4291 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5292	105.669	-2.000	-1.797			4292 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5293	106.819	-2.000	-1.797			4293 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5294	107.969	-2.000	-1.797			4294 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5295	109.119	-2.000	-1.797			4295 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5296	110.269	-2.000	-1.797			4296 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5297	111.419	-2.000	-1.797			4297 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5298	112.569	-2.000	-1.797			4298 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5299	113.719	-2.000	-1.797			4299 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5300	114.869	-2.000	-1.797			4300 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5301	116.019	-2.000	-1.797			4301 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5302	117.169	-2.000	-1.797			4302 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5303	118.319	-2.000	-1.797			4303 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5304	119.469	-2.000	-1.797			4304 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5305	120.619	-2.000	-1.797			4305 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5306	121.769	-2.000	-1.797			4306 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5307	122.919	-2.000	-1.797			4307 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5308	124.069	-2.000	-1.797			4308 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5309	125.219	-2.000	-1.797			4309 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5310	126.369	-2.000	-1.797			4310 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5311	127.519	-2.000	-1.797			4311 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5312	128.669	-2.000	-1.797			4312 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5313	129.819	-2.000	-1.797			4313 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5314	130.969	-2.000	-1.797			4314 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5315	132.119	-2.000	-1.797			4315 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5316	133.269	-2.000	-1.797			4316 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5317	134.419	-2.000	-1.797			4317 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5318	135.569	-2.000	-1.797			4318 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5319	136.719	-2.000	-1.797			4319 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5320	137.869	-2.000	-1.797			4320 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5321	139.019	-2.000	-1.797			4321 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5322	140.169	-2.000	-1.797			4322 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5323	141.319	-2.000	-1.797			4323 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5324	142.469	-2.000	-1.797			4324 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5325	143.619	-2.000	-1.797			4325 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5326	144.769	-2.000	-1.797			4326 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5327	145.919	-2.000	-1.797			4327 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
5328	147.069	-2.000	-1.797			4328 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5329	148.219	-2.000	-1.797			4329 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5330	149.369	-2.000	-1.797			4330 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5331	150.519	-2.000	-1.797			4331 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5332	151.669	-2.000	-1.797			4332 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5333	152.819	-2.000	-1.797			4333 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5334	153.969	-2.000	-1.797			4334 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5335	155.119	-2.000	-1.797			4335 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5336	156.269	-2.000	-1.797			4336 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5337	157.419	-2.000	-1.797			4337 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5338	158.569	-2.000	-1.797			4338 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5339	159.719	-2.000	-1.797			4339 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5340	160.869	-2.000	-1.797			4340 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5341	162.019	-2.000	-1.797			4341 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5342	163.169	-2.000	-1.797			4342 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5343	164.319	-2.000	-1.797			4343 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5344	165.469	-2.000	-1.797			4344 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5345	166.619	-2.000	-1.797			4345 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5346	167.769	-2.000	-1.797			4346 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5347	168.919	-2.000	-1.797			4347 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5348	170.069	-2.000	-1.797			4348 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5349	171.219	-2.000	-1.797			4349 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5350	172.369	-2.000	-1.797			4350 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5351	173.519	-2.000	-1.797			4351 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5352	174.669	-2.000	-1.797			4352 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5353	175.819	-2.000	-1.797			4353 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5354	176.969	-2.000	-1.797			4354 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5355	178.119	-2.000	-1.797			4355 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5356	179.269	-2.000	-1.797			4356 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5357	180.419	-2.000	-1.797			4357 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5358	181.569	-2.000	-1.797			4358 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5359	182.719	-2.000	-1.797			4359 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5360	183.869	-2.000	-1.797			4360 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5361	185.019	-2.000	-1.797			4361 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5362	186.169	-2.000	-1.797			4362 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5363	187.319	-2.000	-1.797			4363 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5364	188.469	-2.000	-1.797			4364 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5365	189.619	-2.000	-1.797			4365 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5366	190.769	-2.000	-1.797			4366 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5367	191.919	-2.000	-1.797			4367 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5368	193.069	-2.000	-1.797			4368 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5369	194.219	-2.000	-1.797			4369 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5370	195.369	-2.000	-1.797			4370 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5371	196.519	-2.000	-1.797			4371 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5372	197.669	-2.000	-1.797			4372 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5373	198.819	-2.000	-1.797			4373 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5374	199.969	-2.000	-1.797			4374 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5375	201.119	-2.000	-1.797			4375 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5376	202.269	-2.000	-1.797			4376 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5377	203.419	-2.000	-1.797			4377 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5378	204.569	-2.000	-1.797			4378 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5379	205.719	-2.000	-1.797			4379 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5380	206.869	-2.000	-1.797			4380 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5381	208.019	-2.000	-1.797			4381 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5382	209.169	-2.000	-1.797			4382 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5383	210.319	-2.000	-1.797			4383 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5384	211.469	-2.000	-1.797			4384 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
5385	212.619	-2.000	-1.797			4385 - Compat_cargado_0.575(UX-nolineal UY UZ RX RY
5601	-1.019	2.000	-1.797			4601 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5602	0.131	2.000	-1.797			4602 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5603	1.281	2.000	-1.797			4603 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5604	2.431	2.000	-1.797			4604 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5605	3.581	2.000	-1.797			4605 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5606	4.731	2.000	-1.797			4606 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5607	5.881	2.000	-1.797			4607 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5608	7.031	2.000	-1.797			4608 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5609	8.181	2.000	-1.797			4609 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5610	9.331	2.000	-1.797			4610 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5611	10.481	2.000	-1.797			4611 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5612	11.631	2.000	-1.797			4612 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5613	12.781	2.000	-1.797			4613 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5614	13.931	2.000	-1.797			4614 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5615	15.081	2.000	-1.797			4615 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5616	16.231	2.000	-1.797			4616 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5617	17.381	2.000	-1.797			4617 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5618	18.531	2.000	-1.797			4618 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5619	19.681	2.000	-1.797			4619 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5620	20.831	2.000	-1.797			4620 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5621	21.981	2.000	-1.797			4621 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5622	23.131	2.000	-1.797			4622 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5623	24.281	2.000	-1.797			4623 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5624	25.431	2.000	-1.797			4624 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5625	26.581	2.000	-1.797			4625 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5626	27.731	2.000	-1.797			4626 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5627	28.881	2.000	-1.797			4627 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5628	30.031	2.000	-1.797			4628 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5629	31.181	2.000	-1.797			4629 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5630	32.331	2.000	-1.797			4630 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5631	33.481	2.000	-1.797			4631 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5632	34.631	2.000	-1.797			4632 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5633	35.781	2.000	-1.797			4633 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5634	36.931	2.000	-1.797			4634 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5635	38.081	2.000	-1.797			4635 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5636	39.231	2.000	-1.797			4636 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5637	40.381	2.000	-1.797			4637 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5638	41.531	2.000	-1.797			4638 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5639	42.681	2.000	-1.797			4639 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5640	43.831	2.000	-1.797			4640 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5641	44.981	2.000	-1.797			4641 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5642	46.131	2.000	-1.797			4642 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5643	47.281	2.000	-1.797			4643 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5644	48.431	2.000	-1.797			4644 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5645	49.581	2.000	-1.797			4645 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5646	50.731	2.000	-1.797			4646 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5647	51.881	2.000	-1.797			4647 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5648	53.031	2.000	-1.797			4648 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5649	54.181	2.000	-1.797			4649 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5650	55.331	2.000	-1.797			4650 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5651	56.481	2.000	-1.797			4651 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5652	57.631	2.000	-1.797			4652 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5653	58.781	2.000	-1.797			4653 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5654	59.931	2.000	-1.797			4654 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5655	61.081	2.000	-1.797			4655 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5656	62.231	2.000	-1.797			4656 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
5657	63.381	2.000	-1.797			4657 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5658	64.531	2.000	-1.797			4658 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5659	65.681	2.000	-1.797			4659 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5660	66.831	2.000	-1.797			4660 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5661	67.981	2.000	-1.797			4661 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5662	69.131	2.000	-1.797			4662 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5663	70.281	2.000	-1.797			4663 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5664	71.431	2.000	-1.797			4664 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5665	72.581	2.000	-1.797			4665 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5666	73.731	2.000	-1.797			4666 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5667	74.881	2.000	-1.797			4667 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5668	76.031	2.000	-1.797			4668 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5669	77.181	2.000	-1.797			4669 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5670	78.331	2.000	-1.797			4670 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5671	79.481	2.000	-1.797			4671 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5672	80.631	2.000	-1.797			4672 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5673	81.781	2.000	-1.797			4673 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5674	82.931	2.000	-1.797			4674 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5675	84.081	2.000	-1.797			4675 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5676	85.231	2.000	-1.797			4676 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5677	86.381	2.000	-1.797			4677 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5678	87.531	2.000	-1.797			4678 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5679	88.681	2.000	-1.797			4679 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5680	89.831	2.000	-1.797			4680 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5681	90.981	2.000	-1.797			4681 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5682	92.131	2.000	-1.797			4682 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5683	93.281	2.000	-1.797			4683 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5684	94.431	2.000	-1.797			4684 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5685	95.581	2.000	-1.797			4685 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5686	96.731	2.000	-1.797			4686 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5687	97.881	2.000	-1.797			4687 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5688	99.031	2.000	-1.797			4688 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5689	100.181	2.000	-1.797			4689 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5690	101.331	2.000	-1.797			4690 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5691	102.481	2.000	-1.797			4691 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5692	103.631	2.000	-1.797			4692 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5693	104.781	2.000	-1.797			4693 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5694	105.931	2.000	-1.797			4694 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5695	107.081	2.000	-1.797			4695 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5696	108.231	2.000	-1.797			4696 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5697	109.381	2.000	-1.797			4697 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5698	110.531	2.000	-1.797			4698 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5699	111.681	2.000	-1.797			4699 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5700	112.831	2.000	-1.797			4700 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5701	113.981	2.000	-1.797			4701 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5702	115.131	2.000	-1.797			4702 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5703	116.281	2.000	-1.797			4703 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5704	117.431	2.000	-1.797			4704 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5705	118.581	2.000	-1.797			4705 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5706	119.731	2.000	-1.797			4706 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5707	120.881	2.000	-1.797			4707 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5708	122.031	2.000	-1.797			4708 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5709	123.181	2.000	-1.797			4709 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5710	124.331	2.000	-1.797			4710 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5711	125.481	2.000	-1.797			4711 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5712	126.631	2.000	-1.797			4712 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5713	127.781	2.000	-1.797			4713 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)

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Proyecto : LAV SANT BOI - Viaducto del Llobregat

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
5714	128.931	2.000	-1.797			4714 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5715	130.081	2.000	-1.797			4715 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5716	131.231	2.000	-1.797			4716 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5717	132.381	2.000	-1.797			4717 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5718	133.531	2.000	-1.797			4718 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5719	134.681	2.000	-1.797			4719 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5720	135.831	2.000	-1.797			4720 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5721	136.981	2.000	-1.797			4721 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5722	138.131	2.000	-1.797			4722 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5723	139.281	2.000	-1.797			4723 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5724	140.431	2.000	-1.797			4724 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5725	141.581	2.000	-1.797			4725 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5726	142.731	2.000	-1.797			4726 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5727	143.881	2.000	-1.797			4727 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5728	145.031	2.000	-1.797			4728 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5729	146.181	2.000	-1.797			4729 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5730	147.331	2.000	-1.797			4730 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5731	148.481	2.000	-1.797			4731 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5732	149.631	2.000	-1.797			4732 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5733	150.781	2.000	-1.797			4733 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5734	151.931	2.000	-1.797			4734 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5735	153.081	2.000	-1.797			4735 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5736	154.231	2.000	-1.797			4736 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5737	155.381	2.000	-1.797			4737 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5738	156.531	2.000	-1.797			4738 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5739	157.681	2.000	-1.797			4739 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5740	158.831	2.000	-1.797			4740 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5741	159.981	2.000	-1.797			4741 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5742	161.131	2.000	-1.797			4742 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5743	162.281	2.000	-1.797			4743 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5744	163.431	2.000	-1.797			4744 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5745	164.581	2.000	-1.797			4745 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5746	165.731	2.000	-1.797			4746 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5747	166.881	2.000	-1.797			4747 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5748	168.031	2.000	-1.797			4748 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5749	169.181	2.000	-1.797			4749 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5750	170.331	2.000	-1.797			4750 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5751	171.481	2.000	-1.797			4751 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5752	172.631	2.000	-1.797			4752 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5753	173.781	2.000	-1.797			4753 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5754	174.931	2.000	-1.797			4754 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5755	176.081	2.000	-1.797			4755 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5756	177.231	2.000	-1.797			4756 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5757	178.381	2.000	-1.797			4757 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5758	179.531	2.000	-1.797			4758 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5759	180.681	2.000	-1.797			4759 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5760	181.831	2.000	-1.797			4760 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5761	182.981	2.000	-1.797			4761 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5762	184.131	2.000	-1.797			4762 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5763	185.281	2.000	-1.797			4763 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5764	186.431	2.000	-1.797			4764 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5765	187.581	2.000	-1.797			4765 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5766	188.731	2.000	-1.797			4766 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5767	189.881	2.000	-1.797			4767 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5768	191.031	2.000	-1.797			4768 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5769	192.181	2.000	-1.797			4769 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5770	193.331	2.000	-1.797			4770 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)

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Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
5771	194.481	2.000	-1.797			4771 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5772	195.631	2.000	-1.797			4772 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5773	196.781	2.000	-1.797			4773 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5774	197.931	2.000	-1.797			4774 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5775	199.081	2.000	-1.797			4775 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5776	200.231	2.000	-1.797			4776 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5777	201.381	2.000	-1.797			4777 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5778	202.531	2.000	-1.797			4778 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5779	203.681	2.000	-1.797			4779 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5780	204.831	2.000	-1.797			4780 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5781	205.981	2.000	-1.797			4781 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5782	207.131	2.000	-1.797			4782 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5783	208.281	2.000	-1.797			4783 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5784	209.431	2.000	-1.797			4784 - Compat_cargado(UX-nolineal UY UZ RX RY RZ)
5785	210.581	2.000	-1.797			4785 - Compat_cargado_0.575(UX-nolineal UY UZ RX RY
6201	-199.081	-2.000	-1.797	nffffff	Apoyo no cargado	
6202	-197.931	-2.000	-1.797	nffffff	Apoyo no cargado	
6203	-196.781	-2.000	-1.797	nffffff	Apoyo no cargado	
6204	-195.631	-2.000	-1.797	nffffff	Apoyo no cargado	
6205	-194.481	-2.000	-1.797	nffffff	Apoyo no cargado	
6206	-193.331	-2.000	-1.797	nffffff	Apoyo no cargado	
6207	-192.181	-2.000	-1.797	nffffff	Apoyo no cargado	
6208	-191.031	-2.000	-1.797	nffffff	Apoyo no cargado	
6209	-189.881	-2.000	-1.797	nffffff	Apoyo no cargado	
6210	-188.731	-2.000	-1.797	nffffff	Apoyo no cargado	
6211	-187.581	-2.000	-1.797	nffffff	Apoyo no cargado	
6212	-186.431	-2.000	-1.797	nffffff	Apoyo no cargado	
6213	-185.281	-2.000	-1.797	nffffff	Apoyo no cargado	
6214	-184.131	-2.000	-1.797	nffffff	Apoyo no cargado	
6215	-182.981	-2.000	-1.797	nffffff	Apoyo no cargado	
6216	-181.831	-2.000	-1.797	nffffff	Apoyo no cargado	
6217	-180.681	-2.000	-1.797	nffffff	Apoyo no cargado	
6218	-179.531	-2.000	-1.797	nffffff	Apoyo no cargado	
6219	-178.381	-2.000	-1.797	nffffff	Apoyo no cargado	
6220	-177.231	-2.000	-1.797	nffffff	Apoyo no cargado	
6221	-176.081	-2.000	-1.797	nffffff	Apoyo no cargado	
6222	-174.931	-2.000	-1.797	nffffff	Apoyo no cargado	
6223	-173.781	-2.000	-1.797	nffffff	Apoyo no cargado	
6224	-172.631	-2.000	-1.797	nffffff	Apoyo no cargado	
6225	-171.481	-2.000	-1.797	nffffff	Apoyo no cargado	
6226	-170.331	-2.000	-1.797	nffffff	Apoyo no cargado	
6227	-169.181	-2.000	-1.797	nffffff	Apoyo no cargado	
6228	-168.031	-2.000	-1.797	nffffff	Apoyo no cargado	
6229	-166.881	-2.000	-1.797	nffffff	Apoyo no cargado	
6230	-165.731	-2.000	-1.797	nffffff	Apoyo no cargado	
6231	-164.581	-2.000	-1.797	nffffff	Apoyo no cargado	
6232	-163.431	-2.000	-1.797	nffffff	Apoyo no cargado	
6233	-162.281	-2.000	-1.797	nffffff	Apoyo no cargado	
6234	-161.131	-2.000	-1.797	nffffff	Apoyo no cargado	
6235	-159.981	-2.000	-1.797	nffffff	Apoyo no cargado	
6236	-158.831	-2.000	-1.797	nffffff	Apoyo no cargado	
6237	-157.681	-2.000	-1.797	nffffff	Apoyo no cargado	
6238	-156.531	-2.000	-1.797	nffffff	Apoyo no cargado	
6239	-155.381	-2.000	-1.797	nffffff	Apoyo no cargado	
6240	-154.231	-2.000	-1.797	nffffff	Apoyo no cargado	
6241	-153.081	-2.000	-1.797	nffffff	Apoyo no cargado	
6242	-151.931	-2.000	-1.797	nffffff	Apoyo no cargado	

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
6243	-150.781	-2.000	-1.797	nffffff	Apoyo no cargado	
6244	-149.631	-2.000	-1.797	nffffff	Apoyo no cargado	
6245	-148.481	-2.000	-1.797	nffffff	Apoyo no cargado	
6246	-147.331	-2.000	-1.797	nffffff	Apoyo no cargado	
6247	-146.181	-2.000	-1.797	nffffff	Apoyo no cargado	
6248	-145.031	-2.000	-1.797	nffffff	Apoyo no cargado	
6249	-143.881	-2.000	-1.797	nffffff	Apoyo no cargado	
6250	-142.731	-2.000	-1.797	nffffff	Apoyo no cargado	
6251	-141.581	-2.000	-1.797	nffffff	Apoyo no cargado	
6252	-140.431	-2.000	-1.797	nffffff	Apoyo no cargado	
6253	-139.281	-2.000	-1.797	nffffff	Apoyo no cargado	
6254	-138.131	-2.000	-1.797	nffffff	Apoyo no cargado	
6255	-136.981	-2.000	-1.797	nffffff	Apoyo no cargado	
6256	-135.831	-2.000	-1.797	nffffff	Apoyo no cargado	
6257	-134.681	-2.000	-1.797	nffffff	Apoyo no cargado	
6258	-133.531	-2.000	-1.797	nffffff	Apoyo no cargado	
6259	-132.381	-2.000	-1.797	nffffff	Apoyo no cargado	
6260	-131.231	-2.000	-1.797	nffffff	Apoyo no cargado	
6261	-130.081	-2.000	-1.797	nffffff	Apoyo no cargado	
6262	-128.931	-2.000	-1.797	nffffff	Apoyo no cargado	
6263	-127.781	-2.000	-1.797	nffffff	Apoyo no cargado	
6264	-126.631	-2.000	-1.797	nffffff	Apoyo no cargado	
6265	-125.481	-2.000	-1.797	nffffff	Apoyo no cargado	
6266	-124.331	-2.000	-1.797	nffffff	Apoyo no cargado	
6267	-123.181	-2.000	-1.797	nffffff	Apoyo no cargado	
6268	-122.031	-2.000	-1.797	nffffff	Apoyo no cargado	
6269	-120.881	-2.000	-1.797	nffffff	Apoyo no cargado	
6270	-119.731	-2.000	-1.797	nffffff	Apoyo no cargado	
6271	-118.581	-2.000	-1.797	nffffff	Apoyo no cargado	
6272	-117.431	-2.000	-1.797	nffffff	Apoyo no cargado	
6273	-116.281	-2.000	-1.797	nffffff	Apoyo no cargado	
6274	-115.131	-2.000	-1.797	nffffff	Apoyo no cargado	
6275	-113.981	-2.000	-1.797	nffffff	Apoyo no cargado	
6276	-112.831	-2.000	-1.797	nffffff	Apoyo no cargado	
6277	-111.681	-2.000	-1.797	nffffff	Apoyo no cargado	
6278	-110.531	-2.000	-1.797	nffffff	Apoyo no cargado	
6279	-109.381	-2.000	-1.797	nffffff	Apoyo no cargado	
6280	-108.231	-2.000	-1.797	nffffff	Apoyo no cargado	
6281	-107.081	-2.000	-1.797	nffffff	Apoyo no cargado	
6282	-105.931	-2.000	-1.797	nffffff	Apoyo no cargado	
6283	-104.781	-2.000	-1.797	nffffff	Apoyo no cargado	
6284	-103.631	-2.000	-1.797	nffffff	Apoyo no cargado	
6285	-102.481	-2.000	-1.797	nffffff	Apoyo no cargado	
6286	-101.331	-2.000	-1.797	nffffff	Apoyo no cargado	
6287	-100.181	-2.000	-1.797	nffffff	Apoyo no cargado	
6288	-99.031	-2.000	-1.797	nffffff	Apoyo no cargado	
6289	-97.881	-2.000	-1.797	nffffff	Apoyo no cargado	
6290	-96.731	-2.000	-1.797	nffffff	Apoyo no cargado	
6291	-95.581	-2.000	-1.797	nffffff	Apoyo no cargado	
6292	-94.431	-2.000	-1.797	nffffff	Apoyo no cargado	
6293	-93.281	-2.000	-1.797	nffffff	Apoyo no cargado	
6294	-92.131	-2.000	-1.797	nffffff	Apoyo no cargado	
6295	-90.981	-2.000	-1.797	nffffff	Apoyo no cargado	
6296	-89.831	-2.000	-1.797	nffffff	Apoyo no cargado	
6297	-88.681	-2.000	-1.797	nffffff	Apoyo no cargado	
6298	-87.531	-2.000	-1.797	nffffff	Apoyo no cargado	
6299	-86.381	-2.000	-1.797	nffffff	Apoyo no cargado	

Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
6300	-85.231	-2.000	-1.797	nffffff	Apoyo no cargado	
6301	-84.081	-2.000	-1.797	nffffff	Apoyo no cargado	
6302	-82.931	-2.000	-1.797	nffffff	Apoyo no cargado	
6303	-81.781	-2.000	-1.797	nffffff	Apoyo no cargado	
6304	-80.631	-2.000	-1.797	nffffff	Apoyo no cargado	
6305	-79.481	-2.000	-1.797	nffffff	Apoyo no cargado	
6306	-78.331	-2.000	-1.797	nffffff	Apoyo no cargado	
6307	-77.181	-2.000	-1.797	nffffff	Apoyo no cargado	
6308	-76.031	-2.000	-1.797	nffffff	Apoyo no cargado	
6309	-74.881	-2.000	-1.797	nffffff	Apoyo no cargado	
6310	-73.731	-2.000	-1.797	nffffff	Apoyo no cargado	
6311	-72.581	-2.000	-1.797	nffffff	Apoyo no cargado	
6312	-71.431	-2.000	-1.797	nffffff	Apoyo no cargado	
6313	-70.281	-2.000	-1.797	nffffff	Apoyo no cargado	
6314	-69.131	-2.000	-1.797	nffffff	Apoyo no cargado	
6315	-67.981	-2.000	-1.797	nffffff	Apoyo no cargado	
6316	-66.831	-2.000	-1.797	nffffff	Apoyo no cargado	
6317	-65.681	-2.000	-1.797	nffffff	Apoyo no cargado	
6318	-64.531	-2.000	-1.797	nffffff	Apoyo no cargado	
6319	-63.381	-2.000	-1.797	nffffff	Apoyo no cargado	
6320	-62.231	-2.000	-1.797	nffffff	Apoyo no cargado	
6321	-61.081	-2.000	-1.797	nffffff	Apoyo no cargado	
6322	-59.931	-2.000	-1.797	nffffff	Apoyo no cargado	
6323	-58.781	-2.000	-1.797	nffffff	Apoyo no cargado	
6324	-57.631	-2.000	-1.797	nffffff	Apoyo no cargado	
6325	-56.481	-2.000	-1.797	nffffff	Apoyo no cargado	
6326	-55.331	-2.000	-1.797	nffffff	Apoyo no cargado	
6327	-54.181	-2.000	-1.797	nffffff	Apoyo no cargado	
6328	-53.031	-2.000	-1.797	nffffff	Apoyo no cargado	
6329	-51.881	-2.000	-1.797	nffffff	Apoyo no cargado	
6330	-50.731	-2.000	-1.797	nffffff	Apoyo no cargado	
6331	-49.581	-2.000	-1.797	nffffff	Apoyo no cargado	
6332	-48.431	-2.000	-1.797	nffffff	Apoyo no cargado	
6333	-47.281	-2.000	-1.797	nffffff	Apoyo no cargado	
6334	-46.131	-2.000	-1.797	nffffff	Apoyo no cargado	
6335	-44.981	-2.000	-1.797	nffffff	Apoyo no cargado	
6336	-43.831	-2.000	-1.797	nffffff	Apoyo no cargado	
6337	-42.681	-2.000	-1.797	nffffff	Apoyo no cargado	
6338	-41.531	-2.000	-1.797	nffffff	Apoyo no cargado	
6339	-40.381	-2.000	-1.797	nffffff	Apoyo no cargado	
6340	-39.231	-2.000	-1.797	nffffff	Apoyo no cargado	
6341	-38.081	-2.000	-1.797	nffffff	Apoyo no cargado	
6342	-36.931	-2.000	-1.797	nffffff	Apoyo no cargado	
6343	-35.781	-2.000	-1.797	nffffff	Apoyo no cargado	
6344	-34.631	-2.000	-1.797	nffffff	Apoyo no cargado	
6345	-33.481	-2.000	-1.797	nffffff	Apoyo no cargado	
6346	-32.331	-2.000	-1.797	nffffff	Apoyo no cargado	
6347	-31.181	-2.000	-1.797	nffffff	Apoyo no cargado	
6348	-30.031	-2.000	-1.797	nffffff	Apoyo no cargado	
6349	-28.881	-2.000	-1.797	nffffff	Apoyo no cargado	
6350	-27.731	-2.000	-1.797	nffffff	Apoyo no cargado	
6351	-26.581	-2.000	-1.797	nffffff	Apoyo no cargado	
6352	-25.431	-2.000	-1.797	nffffff	Apoyo no cargado	
6353	-24.281	-2.000	-1.797	nffffff	Apoyo no cargado	
6354	-23.131	-2.000	-1.797	nffffff	Apoyo no cargado	
6355	-21.981	-2.000	-1.797	nffffff	Apoyo no cargado	
6356	-20.831	-2.000	-1.797	nffffff	Apoyo no cargado	

ROBOT v 16.5.0
Autor : EIPSA
Dirección : Mesena 69 1ºB, Madrid
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Archivo : **Frenado y arranque.rtd**
Proyecto : LAV SANT BOI - Viaducto del Llobregat

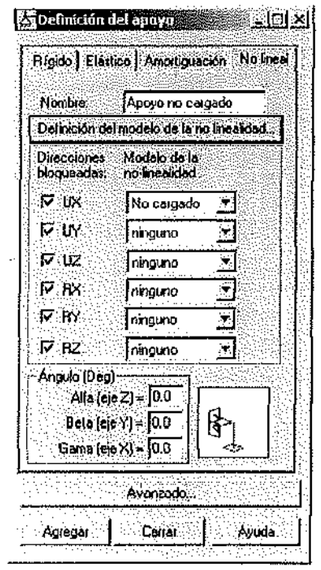
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6358	-18.531	-2.000	-1.797	nffffff	Apoyo no cargado	
6359	-17.381	-2.000	-1.797	nffffff	Apoyo no cargado	
6360	-16.231	-2.000	-1.797	nffffff	Apoyo no cargado	
6361	-15.081	-2.000	-1.797	nffffff	Apoyo no cargado	
6362	-13.931	-2.000	-1.797	nffffff	Apoyo no cargado	
6363	-12.781	-2.000	-1.797	nffffff	Apoyo no cargado	
6364	-11.631	-2.000	-1.797	nffffff	Apoyo no cargado	
6365	-10.481	-2.000	-1.797	nffffff	Apoyo no cargado	
6366	-9.331	-2.000	-1.797	nffffff	Apoyo no cargado	
6367	-8.181	-2.000	-1.797	nffffff	Apoyo no cargado	
6368	-7.031	-2.000	-1.797	nffffff	Apoyo no cargado	
6369	-5.881	-2.000	-1.797	nffffff	Apoyo no cargado	
6370	-4.731	-2.000	-1.797	nffffff	Apoyo no cargado	
6371	-3.581	-2.000	-1.797	nffffff	Apoyo no cargado	
6372	-2.431	-2.000	-1.797	nffffff	Apoyo no cargado	
6373	-1.281	-2.000	-1.797	nffffff	Apoyo no cargado	
6374	-0.131	-2.000	-1.797	nffffff	Apoyo no cargado	
6601	-201.119	2.000	-1.797	nffffff	Apoyo no cargado	
6602	-199.969	2.000	-1.797	nffffff	Apoyo no cargado	
6603	-198.819	2.000	-1.797	nffffff	Apoyo no cargado	
6604	-197.669	2.000	-1.797	nffffff	Apoyo no cargado	
6605	-196.519	2.000	-1.797	nffffff	Apoyo no cargado	
6606	-195.369	2.000	-1.797	nffffff	Apoyo no cargado	
6607	-194.219	2.000	-1.797	nffffff	Apoyo no cargado	
6608	-193.069	2.000	-1.797	nffffff	Apoyo no cargado	
6609	-191.919	2.000	-1.797	nffffff	Apoyo no cargado	
6610	-190.769	2.000	-1.797	nffffff	Apoyo no cargado	
6611	-189.619	2.000	-1.797	nffffff	Apoyo no cargado	
6612	-188.469	2.000	-1.797	nffffff	Apoyo no cargado	
6613	-187.319	2.000	-1.797	nffffff	Apoyo no cargado	
6614	-186.169	2.000	-1.797	nffffff	Apoyo no cargado	
6615	-185.019	2.000	-1.797	nffffff	Apoyo no cargado	
6616	-183.869	2.000	-1.797	nffffff	Apoyo no cargado	
6617	-182.719	2.000	-1.797	nffffff	Apoyo no cargado	
6618	-181.569	2.000	-1.797	nffffff	Apoyo no cargado	
6619	-180.419	2.000	-1.797	nffffff	Apoyo no cargado	
6620	-179.269	2.000	-1.797	nffffff	Apoyo no cargado	
6621	-178.119	2.000	-1.797	nffffff	Apoyo no cargado	
6622	-176.969	2.000	-1.797	nffffff	Apoyo no cargado	
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6625	-173.519	2.000	-1.797	nffffff	Apoyo no cargado	
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6630	-167.769	2.000	-1.797	nffffff	Apoyo no cargado	
6631	-166.619	2.000	-1.797	nffffff	Apoyo no cargado	
6632	-165.469	2.000	-1.797	nffffff	Apoyo no cargado	
6633	-164.319	2.000	-1.797	nffffff	Apoyo no cargado	
6634	-163.169	2.000	-1.797	nffffff	Apoyo no cargado	
6635	-162.019	2.000	-1.797	nffffff	Apoyo no cargado	
6636	-160.869	2.000	-1.797	nffffff	Apoyo no cargado	
6637	-159.719	2.000	-1.797	nffffff	Apoyo no cargado	
6638	-158.569	2.000	-1.797	nffffff	Apoyo no cargado	
6639	-157.419	2.000	-1.797	nffffff	Apoyo no cargado	

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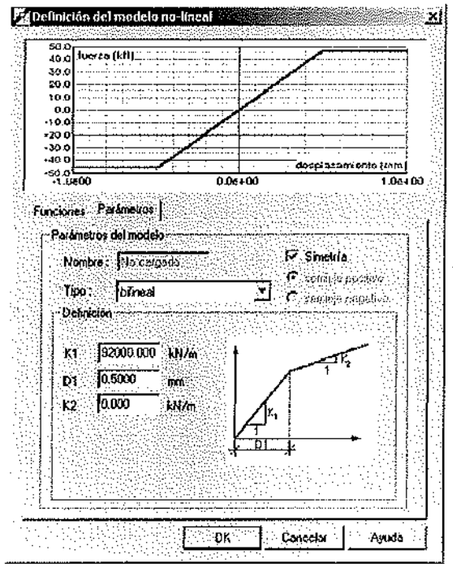
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6640	-156.269	2.000	-1.797	nffffff	Apoyo no cargado	
6641	-155.119	2.000	-1.797	nffffff	Apoyo no cargado	
6642	-153.969	2.000	-1.797	nffffff	Apoyo no cargado	
6643	-152.819	2.000	-1.797	nffffff	Apoyo no cargado	
6644	-151.669	2.000	-1.797	nffffff	Apoyo no cargado	
6645	-150.519	2.000	-1.797	nffffff	Apoyo no cargado	
6646	-149.369	2.000	-1.797	nffffff	Apoyo no cargado	
6647	-148.219	2.000	-1.797	nffffff	Apoyo no cargado	
6648	-147.069	2.000	-1.797	nffffff	Apoyo no cargado	
6649	-145.919	2.000	-1.797	nffffff	Apoyo no cargado	
6650	-144.769	2.000	-1.797	nffffff	Apoyo no cargado	
6651	-143.619	2.000	-1.797	nffffff	Apoyo no cargado	
6652	-142.469	2.000	-1.797	nffffff	Apoyo no cargado	
6653	-141.319	2.000	-1.797	nffffff	Apoyo no cargado	
6654	-140.169	2.000	-1.797	nffffff	Apoyo no cargado	
6655	-139.019	2.000	-1.797	nffffff	Apoyo no cargado	
6656	-137.869	2.000	-1.797	nffffff	Apoyo no cargado	
6657	-136.719	2.000	-1.797	nffffff	Apoyo no cargado	
6658	-135.569	2.000	-1.797	nffffff	Apoyo no cargado	
6659	-134.419	2.000	-1.797	nffffff	Apoyo no cargado	
6660	-133.269	2.000	-1.797	nffffff	Apoyo no cargado	
6661	-132.119	2.000	-1.797	nffffff	Apoyo no cargado	
6662	-130.969	2.000	-1.797	nffffff	Apoyo no cargado	
6663	-129.819	2.000	-1.797	nffffff	Apoyo no cargado	
6664	-128.669	2.000	-1.797	nffffff	Apoyo no cargado	
6665	-127.519	2.000	-1.797	nffffff	Apoyo no cargado	
6666	-126.369	2.000	-1.797	nffffff	Apoyo no cargado	
6667	-125.219	2.000	-1.797	nffffff	Apoyo no cargado	
6668	-124.069	2.000	-1.797	nffffff	Apoyo no cargado	
6669	-122.919	2.000	-1.797	nffffff	Apoyo no cargado	
6670	-121.769	2.000	-1.797	nffffff	Apoyo no cargado	
6671	-120.619	2.000	-1.797	nffffff	Apoyo no cargado	
6672	-119.469	2.000	-1.797	nffffff	Apoyo no cargado	
6673	-118.319	2.000	-1.797	nffffff	Apoyo no cargado	
6674	-117.169	2.000	-1.797	nffffff	Apoyo no cargado	
6675	-116.019	2.000	-1.797	nffffff	Apoyo no cargado	
6676	-114.869	2.000	-1.797	nffffff	Apoyo no cargado	
6677	-113.719	2.000	-1.797	nffffff	Apoyo no cargado	
6678	-112.569	2.000	-1.797	nffffff	Apoyo no cargado	
6679	-111.419	2.000	-1.797	nffffff	Apoyo no cargado	
6680	-110.269	2.000	-1.797	nffffff	Apoyo no cargado	
6681	-109.119	2.000	-1.797	nffffff	Apoyo no cargado	
6682	-107.969	2.000	-1.797	nffffff	Apoyo no cargado	
6683	-106.819	2.000	-1.797	nffffff	Apoyo no cargado	
6684	-105.669	2.000	-1.797	nffffff	Apoyo no cargado	
6685	-104.519	2.000	-1.797	nffffff	Apoyo no cargado	
6686	-103.369	2.000	-1.797	nffffff	Apoyo no cargado	
6687	-102.219	2.000	-1.797	nffffff	Apoyo no cargado	
6688	-101.069	2.000	-1.797	nffffff	Apoyo no cargado	
6689	-99.919	2.000	-1.797	nffffff	Apoyo no cargado	
6690	-98.769	2.000	-1.797	nffffff	Apoyo no cargado	
6691	-97.619	2.000	-1.797	nffffff	Apoyo no cargado	
6692	-96.469	2.000	-1.797	nffffff	Apoyo no cargado	
6693	-95.319	2.000	-1.797	nffffff	Apoyo no cargado	
6694	-94.169	2.000	-1.797	nffffff	Apoyo no cargado	
6695	-93.019	2.000	-1.797	nffffff	Apoyo no cargado	
6696	-91.869	2.000	-1.797	nffffff	Apoyo no cargado	

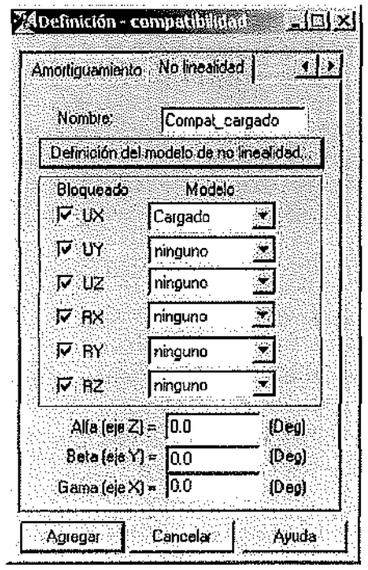
Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
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6698	-89.569	2.000	-1.797	nffffff	Apoyo no cargado	
6699	-88.419	2.000	-1.797	nffffff	Apoyo no cargado	
6700	-87.269	2.000	-1.797	nffffff	Apoyo no cargado	
6701	-86.119	2.000	-1.797	nffffff	Apoyo no cargado	
6702	-84.969	2.000	-1.797	nffffff	Apoyo no cargado	
6703	-83.819	2.000	-1.797	nffffff	Apoyo no cargado	
6704	-82.669	2.000	-1.797	nffffff	Apoyo no cargado	
6705	-81.519	2.000	-1.797	nffffff	Apoyo no cargado	
6706	-80.369	2.000	-1.797	nffffff	Apoyo no cargado	
6707	-79.219	2.000	-1.797	nffffff	Apoyo no cargado	
6708	-78.069	2.000	-1.797	nffffff	Apoyo no cargado	
6709	-76.919	2.000	-1.797	nffffff	Apoyo no cargado	
6710	-75.769	2.000	-1.797	nffffff	Apoyo no cargado	
6711	-74.619	2.000	-1.797	nffffff	Apoyo no cargado	
6712	-73.469	2.000	-1.797	nffffff	Apoyo no cargado	
6713	-72.319	2.000	-1.797	nffffff	Apoyo no cargado	
6714	-71.169	2.000	-1.797	nffffff	Apoyo no cargado	
6715	-70.019	2.000	-1.797	nffffff	Apoyo no cargado	
6716	-68.869	2.000	-1.797	nffffff	Apoyo no cargado	
6717	-67.719	2.000	-1.797	nffffff	Apoyo no cargado	
6718	-66.569	2.000	-1.797	nffffff	Apoyo no cargado	
6719	-65.419	2.000	-1.797	nffffff	Apoyo no cargado	
6720	-64.269	2.000	-1.797	nffffff	Apoyo no cargado	
6721	-63.119	2.000	-1.797	nffffff	Apoyo no cargado	
6722	-61.969	2.000	-1.797	nffffff	Apoyo no cargado	
6723	-60.819	2.000	-1.797	nffffff	Apoyo no cargado	
6724	-59.669	2.000	-1.797	nffffff	Apoyo no cargado	
6725	-58.519	2.000	-1.797	nffffff	Apoyo no cargado	
6726	-57.369	2.000	-1.797	nffffff	Apoyo no cargado	
6727	-56.219	2.000	-1.797	nffffff	Apoyo no cargado	
6728	-55.069	2.000	-1.797	nffffff	Apoyo no cargado	
6729	-53.919	2.000	-1.797	nffffff	Apoyo no cargado	
6730	-52.769	2.000	-1.797	nffffff	Apoyo no cargado	
6731	-51.619	2.000	-1.797	nffffff	Apoyo no cargado	
6732	-50.469	2.000	-1.797	nffffff	Apoyo no cargado	
6733	-49.319	2.000	-1.797	nffffff	Apoyo no cargado	
6734	-48.169	2.000	-1.797	nffffff	Apoyo no cargado	
6735	-47.019	2.000	-1.797	nffffff	Apoyo no cargado	
6736	-45.869	2.000	-1.797	nffffff	Apoyo no cargado	
6737	-44.719	2.000	-1.797	nffffff	Apoyo no cargado	
6738	-43.569	2.000	-1.797	nffffff	Apoyo no cargado	
6739	-42.419	2.000	-1.797	nffffff	Apoyo no cargado	
6740	-41.269	2.000	-1.797	nffffff	Apoyo no cargado	
6741	-40.119	2.000	-1.797	nffffff	Apoyo no cargado	
6742	-38.969	2.000	-1.797	nffffff	Apoyo no cargado	
6743	-37.819	2.000	-1.797	nffffff	Apoyo no cargado	
6744	-36.669	2.000	-1.797	nffffff	Apoyo no cargado	
6745	-35.519	2.000	-1.797	nffffff	Apoyo no cargado	
6746	-34.369	2.000	-1.797	nffffff	Apoyo no cargado	
6747	-33.219	2.000	-1.797	nffffff	Apoyo no cargado	
6748	-32.069	2.000	-1.797	nffffff	Apoyo no cargado	
6749	-30.919	2.000	-1.797	nffffff	Apoyo no cargado	
6750	-29.769	2.000	-1.797	nffffff	Apoyo no cargado	
6751	-28.619	2.000	-1.797	nffffff	Apoyo no cargado	
6752	-27.469	2.000	-1.797	nffffff	Apoyo no cargado	
6753	-26.319	2.000	-1.797	nffffff	Apoyo no cargado	

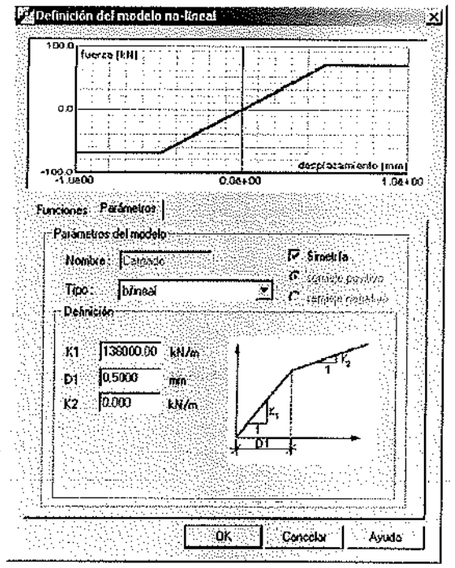
Nudo	X (m)	Y (m)	Z (m)	Apoyo - código	Apoyo	Compatibles
6754	-25.169	2.000	-1.797	nfffff	Apoyo no cargado	
6755	-24.019	2.000	-1.797	nfffff	Apoyo no cargado	
6756	-22.869	2.000	-1.797	nfffff	Apoyo no cargado	
6757	-21.719	2.000	-1.797	nfffff	Apoyo no cargado	
6758	-20.569	2.000	-1.797	nfffff	Apoyo no cargado	
6759	-19.419	2.000	-1.797	nfffff	Apoyo no cargado	
6760	-18.269	2.000	-1.797	nfffff	Apoyo no cargado	
6761	-17.119	2.000	-1.797	nfffff	Apoyo no cargado	
6762	-15.969	2.000	-1.797	nfffff	Apoyo no cargado	
6763	-14.819	2.000	-1.797	nfffff	Apoyo no cargado	
6764	-13.669	2.000	-1.797	nfffff	Apoyo no cargado	
6765	-12.519	2.000	-1.797	nfffff	Apoyo no cargado	
6766	-11.369	2.000	-1.797	nfffff	Apoyo no cargado	
6767	-10.219	2.000	-1.797	nfffff	Apoyo no cargado	
6768	-9.069	2.000	-1.797	nfffff	Apoyo no cargado	
6769	-7.919	2.000	-1.797	nfffff	Apoyo no cargado	
6770	-6.769	2.000	-1.797	nfffff	Apoyo no cargado	
6771	-5.619	2.000	-1.797	nfffff	Apoyo no cargado	
6772	-4.469	2.000	-1.797	nfffff	Apoyo no cargado	
6773	-3.319	2.000	-1.797	nfffff	Apoyo no cargado	
6774	-2.169	2.000	-1.797	nfffff	Apoyo no cargado	



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Definición del modelo no-lineal
fuerza (kN)
desplazamiento (cm)
Funciones
Parámetros
Parámetros del modelo
Nombre:
No cargado
Simetría
Tipo:
bilineal
Definición
K1
92000.000
kN/m
D1
0.5000
mm
K2
0.000
kN/m
OK
Cancelar
Ayuda


Definición - compatibilidad
Amortiguamiento
No linealidad
Nombre:
Compat_cargado
Definición del modelo de no linealidad...
Bloqueado
Modelo
UX
Cargado
UY
ninguno
UZ
ninguno
RX
ninguno
RY
ninguno
RZ
ninguno
Alfa (eje Z) =
0.0
(Deg)
Beta (eje Y) =
0.0
(Deg)
Gama (eje X) =
0.0
(Deg)
Agregar
Cancelar
Ayuda



Barras

Barra	Nudos	Nudo 2	Longitud (m)
1	1	2	1.150
2	2	3	1.150
3	3	4	1.151
4	4	5	1.151
5	5	6	1.150
6	6	7	1.150
7	7	8	1.150
8	8	9	1.150
9	9	10	1.150
10	10	11	1.150
11	11	12	1.150
12	12	13	1.150
13	13	14	1.150
14	14	15	1.150
15	15	16	1.150
16	16	17	1.150
17	17	18	1.150
18	18	19	1.150
19	19	20	1.150
20	20	21	1.150
21	21	22	1.150
22	22	23	1.150
23	23	24	1.150
24	24	25	1.150
25	25	26	1.150
26	26	27	1.150
27	27	28	1.151
28	28	29	1.151
29	29	30	1.150
30	30	31	1.150
31	31	32	1.150
32	32	33	1.150
33	33	34	1.151
34	34	35	1.151
35	35	36	1.150
36	36	37	1.150
37	37	38	1.150
38	38	39	1.150
39	39	40	1.150
40	40	41	1.150
41	41	42	1.150
42	42	43	1.150
43	43	44	1.150
44	44	45	1.150
45	45	46	1.150
46	46	47	1.150
47	47	48	1.150
48	48	49	1.150
49	49	50	1.150
50	50	51	1.150
51	51	52	1.150
52	52	53	1.150
53	53	54	1.150
54	54	55	1.150
55	55	56	1.150

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Barra	Nudos	Nudo 2	Longitud (m)
56	56	57	1.150
57	57	58	1.150
58	58	59	1.150
59	59	60	1.150
60	60	61	1.150
61	61	62	1.150
62	62	63	1.150
63	63	64	1.150
64	64	65	1.150
65	65	66	1.150
66	66	67	1.150
67	67	68	1.151
68	68	69	1.151
69	69	70	1.150
70	70	71	1.150
71	71	72	1.150
72	72	73	1.150
73	73	74	1.151
74	74	75	1.151
75	75	76	1.150
76	76	77	1.150
77	77	78	1.150
78	78	79	1.150
79	79	80	1.150
80	80	81	1.150
81	81	82	1.150
82	82	83	1.150
83	83	84	1.150
84	84	85	1.150
85	85	86	1.150
86	86	87	1.150
87	87	88	1.150
88	88	89	1.150
89	89	90	1.150
90	90	91	1.150
91	91	92	1.150
92	92	93	1.150
93	93	94	1.150
94	94	95	1.150
95	95	96	1.150
96	96	97	1.150
97	97	98	1.150
98	98	99	1.150
99	99	100	1.150
100	100	101	1.150
101	101	102	1.150
102	102	103	1.150
103	103	104	1.150
104	104	105	1.150
105	105	106	1.150
106	106	107	1.150
107	107	108	1.151
108	108	109	1.151
109	109	110	1.150
110	110	111	1.150
111	111	112	1.150
112	112	113	1.150

ROBOT v 16.5.0
Autor : EIPSA
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Proyecto : LAV SANT BOI - Viaducto del Llobregat

Barra	Nudos	Nudo 2	Longitud (m)
113	113	114	1.151
114	114	115	1.151
115	115	116	1.150
116	116	117	1.150
117	117	118	1.150
118	118	119	1.150
119	119	120	1.150
120	120	121	1.150
121	121	122	1.150
122	122	123	1.150
123	123	124	1.150
124	124	125	1.150
125	125	126	1.150
126	126	127	1.150
127	127	128	1.150
128	128	129	1.150
129	129	130	1.150
130	130	131	1.150
131	131	132	1.150
132	132	133	1.150
133	133	134	1.150
134	134	135	1.150
135	135	136	1.150
136	136	137	1.150
137	137	138	1.150
138	138	139	1.150
139	139	140	1.150
140	140	141	1.150
141	141	142	1.150
142	142	143	1.150
143	143	144	1.150
144	144	145	1.150
145	145	146	1.151
146	146	147	1.151
147	147	148	1.150
148	148	149	1.150
149	149	150	1.150
150	150	151	1.150
151	151	152	1.151
152	152	153	1.151
153	153	154	1.150
154	154	155	1.150
155	155	156	1.150
156	156	157	1.150
157	157	158	1.150
158	158	159	1.150
159	159	160	1.150
160	160	161	1.150
161	161	162	1.150
162	162	163	1.150
163	163	164	1.150
164	164	165	1.150
165	165	166	1.150
166	166	167	1.150
167	167	168	1.150
168	168	169	1.150
169	169	170	1.150

Barra	Nudos	Nudo 2	Longitud (m)
170	170	171	1.150
171	171	172	1.150
172	172	173	1.150
173	173	174	1.150
174	174	175	1.150
175	175	176	1.150
176	176	177	1.150
177	177	178	1.150
178	178	179	1.150
179	179	180	1.150
180	180	181	1.150
181	181	182	1.151
182	182	183	1.151
183	183	184	1.150
184	184	185	1.150
201	201	202	1.150
202	202	203	1.150
203	203	204	1.151
204	204	205	1.151
205	205	206	1.150
206	206	207	1.150
207	207	208	1.150
208	208	209	1.150
209	209	210	1.150
210	210	211	1.150
211	211	212	1.150
212	212	213	1.150
213	213	214	1.150
214	214	215	1.150
215	215	216	1.150
216	216	217	1.150
217	217	218	1.150
218	218	219	1.150
219	219	220	1.150
220	220	221	1.150
221	221	222	1.150
222	222	223	1.150
223	223	224	1.150
224	224	225	1.150
225	225	226	1.150
226	226	227	1.150
227	227	228	1.151
228	228	229	1.151
229	229	230	1.150
230	230	231	1.150
231	231	232	1.150
232	232	233	1.150
233	233	234	1.151
234	234	235	1.151
235	235	236	1.150
236	236	237	1.150
237	237	238	1.150
238	238	239	1.150
239	239	240	1.150
240	240	241	1.150
241	241	242	1.150
242	242	243	1.150

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Barra	Nudos	Nudo 2	Longitud (m)
243	243	244	1.150
244	244	245	1.150
245	245	246	1.150
246	246	247	1.150
247	247	248	1.150
248	248	249	1.150
249	249	250	1.150
250	250	251	1.150
251	251	252	1.150
252	252	253	1.150
253	253	254	1.150
254	254	255	1.150
255	255	256	1.150
256	256	257	1.150
257	257	258	1.150
258	258	259	1.150
259	259	260	1.150
260	260	261	1.150
261	261	262	1.150
262	262	263	1.150
263	263	264	1.150
264	264	265	1.150
265	265	266	1.150
266	266	267	1.150
267	267	268	1.151
268	268	269	1.151
269	269	270	1.150
270	270	271	1.150
271	271	272	1.150
272	272	273	1.150
273	273	274	1.151
274	274	275	1.151
275	275	276	1.150
276	276	277	1.150
277	277	278	1.150
278	278	279	1.150
279	279	280	1.150
280	280	281	1.150
281	281	282	1.150
282	282	283	1.150
283	283	284	1.150
284	284	285	1.150
285	285	286	1.150
286	286	287	1.150
287	287	288	1.150
288	288	289	1.150
289	289	290	1.150
290	290	291	1.150
291	291	292	1.150
292	292	293	1.150
293	293	294	1.150
294	294	295	1.150
295	295	296	1.150
296	296	297	1.150
297	297	298	1.150
298	298	299	1.150
299	299	300	1.150

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Barra	Nudos	Nudo 2	Longitud (m)
300	300	301	1.150
301	301	302	1.150
302	302	303	1.150
303	303	304	1.150
304	304	305	1.150
305	305	306	1.150
306	306	307	1.150
307	307	308	1.151
308	308	309	1.151
309	309	310	1.150
310	310	311	1.150
311	311	312	1.150
312	312	313	1.150
313	313	314	1.151
314	314	315	1.151
315	315	316	1.150
316	316	317	1.150
317	317	318	1.150
318	318	319	1.150
319	319	320	1.150
320	320	321	1.150
321	321	322	1.150
322	322	323	1.150
323	323	324	1.150
324	324	325	1.150
325	325	326	1.150
326	326	327	1.150
327	327	328	1.150
328	328	329	1.150
329	329	330	1.150
330	330	331	1.150
331	331	332	1.150
332	332	333	1.150
333	333	334	1.150
334	334	335	1.150
335	335	336	1.150
336	336	337	1.150
337	337	338	1.150
338	338	339	1.150
339	339	340	1.150
340	340	341	1.150
341	341	342	1.150
342	342	343	1.150
343	343	344	1.150
344	344	345	1.150
345	345	346	1.151
346	346	347	1.151
347	347	348	1.150
348	348	349	1.150
349	349	350	1.150
350	350	351	1.150
351	351	352	1.151
352	352	353	1.151
353	353	354	1.150
354	354	355	1.150
355	355	356	1.150
356	356	357	1.150

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Barra	Nudos	Nudo 2	Longitud (m)
357	357	358	1.150
358	358	359	1.150
359	359	360	1.150
360	360	361	1.150
361	361	362	1.150
362	362	363	1.150
363	363	364	1.150
364	364	365	1.150
365	365	366	1.150
366	366	367	1.150
367	367	368	1.150
368	368	369	1.150
369	369	370	1.150
370	370	371	1.150
371	371	372	1.150
372	372	373	1.150
373	373	374	1.150
374	374	375	1.150
375	375	376	1.150
376	376	377	1.150
377	377	378	1.150
378	378	379	1.150
379	379	380	1.150
380	380	381	1.150
381	381	382	1.151
382	382	383	1.151
383	383	384	1.150
384	384	385	1.150
601	601	602	1.150
602	602	603	1.150
603	603	604	1.151
604	604	605	1.151
605	605	606	1.150
606	606	607	1.150
607	607	608	1.150
608	608	609	1.150
609	609	610	1.150
610	610	611	1.150
611	611	612	1.150
612	612	613	1.150
613	613	614	1.150
614	614	615	1.150
615	615	616	1.150
616	616	617	1.150
617	617	618	1.150
618	618	619	1.150
619	619	620	1.150
620	620	621	1.150
621	621	622	1.150
622	622	623	1.150
623	623	624	1.150
624	624	625	1.150
625	625	626	1.150
626	626	627	1.150
627	627	628	1.151
628	628	629	1.151
629	629	630	1.150

Barra	Nudos	Nudo 2	Longitud (m)
630	630	631	1.150
631	631	632	1.150
632	632	633	1.150
633	633	634	1.151
634	634	635	1.151
635	635	636	1.150
636	636	637	1.150
637	637	638	1.150
638	638	639	1.150
639	639	640	1.150
640	640	641	1.150
641	641	642	1.150
642	642	643	1.150
643	643	644	1.150
644	644	645	1.150
645	645	646	1.150
646	646	647	1.150
647	647	648	1.150
648	648	649	1.150
649	649	650	1.150
650	650	651	1.150
651	651	652	1.150
652	652	653	1.150
653	653	654	1.150
654	654	655	1.150
655	655	656	1.150
656	656	657	1.150
657	657	658	1.150
658	658	659	1.150
659	659	660	1.150
660	660	661	1.150
661	661	662	1.150
662	662	663	1.150
663	663	664	1.150
664	664	665	1.150
665	665	666	1.150
666	666	667	1.150
667	667	668	1.151
668	668	669	1.151
669	669	670	1.150
670	670	671	1.150
671	671	672	1.150
672	672	673	1.150
673	673	674	1.151
674	674	675	1.151
675	675	676	1.150
676	676	677	1.150
677	677	678	1.150
678	678	679	1.150
679	679	680	1.150
680	680	681	1.150
681	681	682	1.150
682	682	683	1.150
683	683	684	1.150
684	684	685	1.150
685	685	686	1.150
686	686	687	1.150

Barra	Nudos	Nudo 2	Longitud (m)
687	687	688	1.150
688	688	689	1.150
689	689	690	1.150
690	690	691	1.150
691	691	692	1.150
692	692	693	1.150
693	693	694	1.150
694	694	695	1.150
695	695	696	1.150
696	696	697	1.150
697	697	698	1.150
698	698	699	1.150
699	699	700	1.150
700	700	701	1.150
701	701	702	1.150
702	702	703	1.150
703	703	704	1.150
704	704	705	1.150
705	705	706	1.150
706	706	707	1.150
707	707	708	1.151
708	708	709	1.151
709	709	710	1.150
710	710	711	1.150
711	711	712	1.150
712	712	713	1.150
713	713	714	1.151
714	714	715	1.151
715	715	716	1.150
716	716	717	1.150
717	717	718	1.150
718	718	719	1.150
719	719	720	1.150
720	720	721	1.150
721	721	722	1.150
722	722	723	1.150
723	723	724	1.150
724	724	725	1.150
725	725	726	1.150
726	726	727	1.150
727	727	728	1.150
728	728	729	1.150
729	729	730	1.150
730	730	731	1.150
731	731	732	1.150
732	732	733	1.150
733	733	734	1.150
734	734	735	1.150
735	735	736	1.150
736	736	737	1.150
737	737	738	1.150
738	738	739	1.150
739	739	740	1.150
740	740	741	1.150
741	741	742	1.150
742	742	743	1.150
743	743	744	1.150

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Barra	Nudos	Nudo 2	Longitud (m)
744	744	745	1.150
745	745	746	1.151
746	746	747	1.151
747	747	748	1.150
748	748	749	1.150
749	749	750	1.150
750	750	751	1.150
751	751	752	1.151
752	752	753	1.151
753	753	754	1.150
754	754	755	1.150
755	755	756	1.150
756	756	757	1.150
757	757	758	1.150
758	758	759	1.150
759	759	760	1.150
760	760	761	1.150
761	761	762	1.150
762	762	763	1.150
763	763	764	1.150
764	764	765	1.150
765	765	766	1.150
766	766	767	1.150
767	767	768	1.150
768	768	769	1.150
769	769	770	1.150
770	770	771	1.150
771	771	772	1.150
772	772	773	1.150
773	773	774	1.150
774	774	775	1.150
775	775	776	1.150
776	776	777	1.150
777	777	778	1.150
778	778	779	1.150
779	779	780	1.150
780	780	781	1.150
781	781	782	1.151
782	782	783	1.151
783	783	784	1.150
784	784	785	1.150
801	801	802	1.150
802	802	803	1.150
803	803	804	1.151
804	804	805	1.151
805	805	806	1.150
806	806	807	1.150
807	807	808	1.150
808	808	809	1.150
809	809	810	1.150
810	810	811	1.150
811	811	812	1.150
812	812	813	1.150
813	813	814	1.150
814	814	815	1.150
815	815	816	1.150
816	816	817	1.150

Barra	Nudos	Nudo 2	Longitud (m)
817	817	818	1.150
818	818	819	1.150
819	819	820	1.150
820	820	821	1.150
821	821	822	1.150
822	822	823	1.150
823	823	824	1.150
824	824	825	1.150
825	825	826	1.150
826	826	827	1.150
827	827	828	1.151
828	828	829	1.151
829	829	830	1.150
830	830	831	1.150
831	831	832	1.150
832	832	833	1.150
833	833	834	1.151
834	834	835	1.151
835	835	836	1.150
836	836	837	1.150
837	837	838	1.150
838	838	839	1.150
839	839	840	1.150
840	840	841	1.150
841	841	842	1.150
842	842	843	1.150
843	843	844	1.150
844	844	845	1.150
845	845	846	1.150
846	846	847	1.150
847	847	848	1.150
848	848	849	1.150
849	849	850	1.150
850	850	851	1.150
851	851	852	1.150
852	852	853	1.150
853	853	854	1.150
854	854	855	1.150
855	855	856	1.150
856	856	857	1.150
857	857	858	1.150
858	858	859	1.150
859	859	860	1.150
860	860	861	1.150
861	861	862	1.150
862	862	863	1.150
863	863	864	1.150
864	864	865	1.150
865	865	866	1.150
866	866	867	1.150
867	867	868	1.151
868	868	869	1.151
869	869	870	1.150
870	870	871	1.150
871	871	872	1.150
872	872	873	1.150
873	873	874	1.151

Barra	Nudos	Nudo 2	Longitud (m)
874	874	875	1.151
875	875	876	1.150
876	876	877	1.150
877	877	878	1.150
878	878	879	1.150
879	879	880	1.150
880	880	881	1.150
881	881	882	1.150
882	882	883	1.150
883	883	884	1.150
884	884	885	1.150
885	885	886	1.150
886	886	887	1.150
887	887	888	1.150
888	888	889	1.150
889	889	890	1.150
890	890	891	1.150
891	891	892	1.150
892	892	893	1.150
893	893	894	1.150
894	894	895	1.150
895	895	896	1.150
896	896	897	1.150
897	897	898	1.150
898	898	899	1.150
899	899	900	1.150
900	900	901	1.150
901	901	902	1.150
902	902	903	1.150
903	903	904	1.150
904	904	905	1.150
905	905	906	1.150
906	906	907	1.150
907	907	908	1.151
908	908	909	1.151
909	909	910	1.150
910	910	911	1.150
911	911	912	1.150
912	912	913	1.150
913	913	914	1.151
914	914	915	1.151
915	915	916	1.150
916	916	917	1.150
917	917	918	1.150
918	918	919	1.150
919	919	920	1.150
920	920	921	1.150
921	921	922	1.150
922	922	923	1.150
923	923	924	1.150
924	924	925	1.150
925	925	926	1.150
926	926	927	1.150
927	927	928	1.150
928	928	929	1.150
929	929	930	1.150
930	930	931	1.150

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Barra	Nudos	Nudo 2	Longitud (m)
931	931	932	1.150
932	932	933	1.150
933	933	934	1.150
934	934	935	1.150
935	935	936	1.150
936	936	937	1.150
937	937	938	1.150
938	938	939	1.150
939	939	940	1.150
940	940	941	1.150
941	941	942	1.150
942	942	943	1.150
943	943	944	1.150
944	944	945	1.150
945	945	946	1.151
946	946	947	1.151
947	947	948	1.150
948	948	949	1.150
949	949	950	1.150
950	950	951	1.150
951	951	952	1.151
952	952	953	1.151
953	953	954	1.150
954	954	955	1.150
955	955	956	1.150
956	956	957	1.150
957	957	958	1.150
958	958	959	1.150
959	959	960	1.150
960	960	961	1.150
961	961	962	1.150
962	962	963	1.150
963	963	964	1.150
964	964	965	1.150
965	965	966	1.150
966	966	967	1.150
967	967	968	1.150
968	968	969	1.150
969	969	970	1.150
970	970	971	1.150
971	971	972	1.150
972	972	973	1.150
973	973	974	1.150
974	974	975	1.150
975	975	976	1.150
976	976	977	1.150
977	977	978	1.150
978	978	979	1.150
979	979	980	1.150
980	980	981	1.150
981	981	982	1.151
982	982	983	1.151
983	983	984	1.150
984	984	985	1.150
1001	1	201	4.040
1003	3	203	4.040
1005	5	205	4.040

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Barra	Nudos	Nudo 2	Longitud (m)
1007	7	207	4.040
1009	9	209	4.040
1011	11	211	4.040
1013	13	213	4.040
1015	15	215	4.040
1017	17	217	4.040
1019	19	219	4.040
1021	21	221	4.040
1023	23	223	4.040
1025	25	225	4.040
1027	27	227	4.040
1029	29	229	4.040
1031	31	231	4.040
1033	33	233	4.040
1035	35	235	4.040
1037	37	237	4.040
1039	39	239	4.040
1041	41	241	4.040
1043	43	243	4.040
1045	45	245	4.040
1047	47	247	4.040
1049	49	249	4.040
1051	51	251	4.040
1053	53	253	4.040
1055	55	255	4.040
1057	57	257	4.040
1059	59	259	4.040
1061	61	261	4.040
1063	63	263	4.040
1065	65	265	4.040
1067	67	267	4.040
1069	69	269	4.040
1071	71	271	4.040
1073	73	273	4.040
1075	75	275	4.040
1077	77	277	4.040
1079	79	279	4.040
1081	81	281	4.040
1083	83	283	4.040
1085	85	285	4.040
1087	87	287	4.040
1089	89	289	4.040
1091	91	291	4.040
1093	93	293	4.040
1095	95	295	4.040
1097	97	297	4.040
1099	99	299	4.040
1101	101	301	4.040
1103	103	303	4.040
1105	105	305	4.040
1107	107	307	4.040
1109	109	309	4.040
1111	111	311	4.040
1113	113	313	4.040
1115	115	315	4.040
1117	117	317	4.040
1119	119	319	4.040

Barra	Nudos	Nudo 2	Longitud (m)
1121	121	321	4.040
1123	123	323	4.040
1125	125	325	4.040
1127	127	327	4.040
1129	129	329	4.040
1131	131	331	4.040
1133	133	333	4.040
1135	135	335	4.040
1137	137	337	4.040
1139	139	339	4.040
1141	141	341	4.040
1143	143	343	4.040
1145	145	345	4.040
1147	147	347	4.040
1149	149	349	4.040
1151	151	351	4.040
1153	153	353	4.040
1155	155	355	4.040
1157	157	357	4.040
1159	159	359	4.040
1161	161	361	4.040
1163	163	363	4.040
1165	165	365	4.040
1167	167	367	4.040
1169	169	369	4.040
1171	171	371	4.040
1173	173	373	4.040
1175	175	375	4.040
1177	177	377	4.040
1179	179	379	4.040
1181	181	381	4.040
1183	183	383	4.040
1185	185	385	4.040
1201	201	401	2.245
1203	203	403	2.245
1205	205	405	2.245
1207	207	407	2.245
1209	209	409	2.245
1211	211	411	2.245
1213	213	413	2.245
1215	215	415	2.245
1217	217	417	2.245
1219	219	419	2.245
1221	221	421	2.245
1223	223	423	2.245
1225	225	425	2.245
1227	227	427	2.245
1229	229	429	2.245
1231	231	431	2.245
1233	233	433	2.245
1235	235	435	2.245
1237	237	437	2.245
1239	239	439	2.245
1241	241	441	2.245
1243	243	443	2.245
1245	245	445	2.245
1247	247	447	2.245

Barra	Nudos	Nudo 2	Longitud (m)
1249	249	449	2.245
1251	251	451	2.245
1253	253	453	2.245
1255	255	455	2.245
1257	257	457	2.245
1259	259	459	2.245
1261	261	461	2.245
1263	263	463	2.245
1265	265	465	2.245
1267	267	467	2.245
1269	269	469	2.245
1271	271	471	2.245
1273	273	473	2.245
1275	275	475	2.245
1277	277	477	2.245
1279	279	479	2.245
1281	281	481	2.245
1283	283	483	2.245
1285	285	485	2.245
1287	287	487	2.245
1289	289	489	2.245
1291	291	491	2.245
1293	293	493	2.245
1295	295	495	2.245
1297	297	497	2.245
1299	299	499	2.245
1301	301	501	2.245
1303	303	503	2.245
1305	305	505	2.245
1307	307	507	2.245
1309	309	509	2.245
1311	311	511	2.245
1313	313	513	2.245
1315	315	515	2.245
1317	317	517	2.245
1319	319	519	2.245
1321	321	521	2.245
1323	323	523	2.245
1325	325	525	2.245
1327	327	527	2.245
1329	329	529	2.245
1331	331	531	2.245
1333	333	533	2.245
1335	335	535	2.245
1337	337	537	2.245
1339	339	539	2.245
1341	341	541	2.245
1343	343	543	2.245
1345	345	545	2.245
1347	347	547	2.245
1349	349	549	2.245
1351	351	551	2.245
1353	353	553	2.245
1355	355	555	2.245
1357	357	557	2.245
1359	359	559	2.245
1361	361	561	2.245

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Barra	Nudos	Nudo 2	Longitud (m)
1363	363	563	2.245
1365	365	565	2.245
1367	367	567	2.245
1369	369	569	2.245
1371	371	571	2.245
1373	373	573	2.245
1375	375	575	2.245
1377	377	577	2.245
1379	379	579	2.245
1381	381	581	2.245
1383	383	583	2.245
1385	385	585	2.245
1401	401	601	2.245
1403	403	603	2.245
1405	405	605	2.245
1407	407	607	2.245
1409	409	609	2.245
1411	411	611	2.245
1413	413	613	2.245
1415	415	615	2.245
1417	417	617	2.245
1419	419	619	2.245
1421	421	621	2.245
1423	423	623	2.245
1425	425	625	2.245
1427	427	627	2.245
1429	429	629	2.245
1431	431	631	2.245
1433	433	633	2.245
1435	435	635	2.245
1437	437	637	2.245
1439	439	639	2.245
1441	441	641	2.245
1443	443	643	2.245
1445	445	645	2.245
1447	447	647	2.245
1449	449	649	2.245
1451	451	651	2.245
1453	453	653	2.245
1455	455	655	2.245
1457	457	657	2.245
1459	459	659	2.245
1461	461	661	2.245
1463	463	663	2.245
1465	465	665	2.245
1467	467	667	2.245
1469	469	669	2.245
1471	471	671	2.245
1473	473	673	2.245
1475	475	675	2.245
1477	477	677	2.245
1479	479	679	2.245
1481	481	681	2.245
1483	483	683	2.245
1485	485	685	2.245
1487	487	687	2.245
1489	489	689	2.245

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Barra	Nudos	Nudo 2	Longitud (m)
1491	491	691	2.245
1493	493	693	2.245
1495	495	695	2.245
1497	497	697	2.245
1499	499	699	2.245
1501	501	701	2.245
1503	503	703	2.245
1505	505	705	2.245
1507	507	707	2.245
1509	509	709	2.245
1511	511	711	2.245
1513	513	713	2.245
1515	515	715	2.245
1517	517	717	2.245
1519	519	719	2.245
1521	521	721	2.245
1523	523	723	2.245
1525	525	725	2.245
1527	527	727	2.245
1529	529	729	2.245
1531	531	731	2.245
1533	533	733	2.245
1535	535	735	2.245
1537	537	737	2.245
1539	539	739	2.245
1541	541	741	2.245
1543	543	743	2.245
1545	545	745	2.245
1547	547	747	2.245
1549	549	749	2.245
1551	551	751	2.245
1553	553	753	2.245
1555	555	755	2.245
1557	557	757	2.245
1559	559	759	2.245
1561	561	761	2.245
1563	563	763	2.245
1565	565	765	2.245
1567	567	767	2.245
1569	569	769	2.245
1571	571	771	2.245
1573	573	773	2.245
1575	575	775	2.245
1577	577	777	2.245
1579	579	779	2.245
1581	581	781	2.245
1583	583	783	2.245
1585	585	785	2.245
1601	601	801	4.040
1603	603	803	4.040
1605	605	805	4.040
1607	607	807	4.040
1609	609	809	4.040
1611	611	811	4.040
1613	613	813	4.040
1615	615	815	4.040
1617	617	817	4.040

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Barra	Nudos	Nudo 2	Longitud (m)
1619	619	819	4.040
1621	621	821	4.040
1623	623	823	4.040
1625	625	825	4.040
1627	627	827	4.040
1629	629	829	4.040
1631	631	831	4.040
1633	633	833	4.040
1635	635	835	4.040
1637	637	837	4.040
1639	639	839	4.040
1641	641	841	4.040
1643	643	843	4.040
1645	645	845	4.040
1647	647	847	4.040
1649	649	849	4.040
1651	651	851	4.040
1653	653	853	4.040
1655	655	855	4.040
1657	657	857	4.040
1659	659	859	4.040
1661	661	861	4.040
1663	663	863	4.040
1665	665	865	4.040
1667	667	867	4.040
1669	669	869	4.040
1671	671	871	4.040
1673	673	873	4.040
1675	675	875	4.040
1677	677	877	4.040
1679	679	879	4.040
1681	681	881	4.040
1683	683	883	4.040
1685	685	885	4.040
1687	687	887	4.040
1689	689	889	4.040
1691	691	891	4.040
1693	693	893	4.040
1695	695	895	4.040
1697	697	897	4.040
1699	699	899	4.040
1701	701	901	4.040
1703	703	903	4.040
1705	705	905	4.040
1707	707	907	4.040
1709	709	909	4.040
1711	711	911	4.040
1713	713	913	4.040
1715	715	915	4.040
1717	717	917	4.040
1719	719	919	4.040
1721	721	921	4.040
1723	723	923	4.040
1725	725	925	4.040
1727	727	927	4.040
1729	729	929	4.040
1731	731	931	4.040

Barra	Nudos	Nudo 2	Longitud (m)
1733	733	933	4.040
1735	735	935	4.040
1737	737	937	4.040
1739	739	939	4.040
1741	741	941	4.040
1743	743	943	4.040
1745	745	945	4.040
1747	747	947	4.040
1749	749	949	4.040
1751	751	951	4.040
1753	753	953	4.040
1755	755	955	4.040
1757	757	957	4.040
1759	759	959	4.040
1761	761	961	4.040
1763	763	963	4.040
1765	765	965	4.040
1767	767	967	4.040
1769	769	969	4.040
1771	771	971	4.040
1773	773	973	4.040
1775	775	975	4.040
1777	777	977	4.040
1779	779	979	4.040
1781	781	981	4.040
1783	783	983	4.040
1785	785	985	4.040
2000	2000	2100	6.000
2001	2001	2101	8.000
2002	2002	2102	8.000
2003	2003	2103	8.000
2004	2004	2104	6.000
2005	2005	2105	4.000
2100	2200	2100	6.285
2101	2201	2101	6.285
2102	2202	2102	6.285
2103	2203	2103	6.285
2104	2204	2104	6.285
2105	2205	2105	6.285
2200	2100	2300	6.285
2201	2101	2301	6.285
2202	2102	2302	6.285
2203	2103	2303	6.285
2204	2104	2304	6.285
2205	2105	2305	6.285
2300	2200	2400	0.100
2301	2201	2401	0.100
2302	2202	2402	0.100
2303	2203	2403	0.100
2304	2204	2404	0.100
2305	2205	2405	0.100
2400	2300	2500	0.100
2401	2301	2501	0.100
2402	2302	2502	0.100
2403	2303	2503	0.100
2404	2304	2504	0.100
2405	2305	2505	0.100

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Barra	Nudos	Nudo 2	Longitud (m)
4201	4201	4202	1.150
4202	4202	4203	1.150
4203	4203	4204	1.150
4204	4204	4205	1.150
4205	4205	4206	1.150
4206	4206	4207	1.150
4207	4207	4208	1.150
4208	4208	4209	1.150
4209	4209	4210	1.150
4210	4210	4211	1.150
4211	4211	4212	1.150
4212	4212	4213	1.150
4213	4213	4214	1.150
4214	4214	4215	1.150
4215	4215	4216	1.150
4216	4216	4217	1.150
4217	4217	4218	1.150
4218	4218	4219	1.150
4219	4219	4220	1.150
4220	4220	4221	1.150
4221	4221	4222	1.150
4222	4222	4223	1.150
4223	4223	4224	1.150
4224	4224	4225	1.150
4225	4225	4226	1.150
4226	4226	4227	1.150
4227	4227	4228	1.150
4228	4228	4229	1.150
4229	4229	4230	1.150
4230	4230	4231	1.150
4231	4231	4232	1.150
4232	4232	4233	1.150
4233	4233	4234	1.150
4234	4234	4235	1.150
4235	4235	4236	1.150
4236	4236	4237	1.150
4237	4237	4238	1.150
4238	4238	4239	1.150
4239	4239	4240	1.150
4240	4240	4241	1.150
4241	4241	4242	1.150
4242	4242	4243	1.150
4243	4243	4244	1.150
4244	4244	4245	1.150
4245	4245	4246	1.150
4246	4246	4247	1.150
4247	4247	4248	1.150
4248	4248	4249	1.150
4249	4249	4250	1.150
4250	4250	4251	1.150
4251	4251	4252	1.150
4252	4252	4253	1.150
4253	4253	4254	1.150
4254	4254	4255	1.150
4255	4255	4256	1.150
4256	4256	4257	1.150
4257	4257	4258	1.150

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Barra	Nudos	Nudo 2	Longitud (m)
4258	4258	4259	1.150
4259	4259	4260	1.150
4260	4260	4261	1.150
4261	4261	4262	1.150
4262	4262	4263	1.150
4263	4263	4264	1.150
4264	4264	4265	1.150
4265	4265	4266	1.150
4266	4266	4267	1.150
4267	4267	4268	1.150
4268	4268	4269	1.150
4269	4269	4270	1.150
4270	4270	4271	1.150
4271	4271	4272	1.150
4272	4272	4273	1.150
4273	4273	4274	1.150
4274	4274	4275	1.150
4275	4275	4276	1.150
4276	4276	4277	1.150
4277	4277	4278	1.150
4278	4278	4279	1.150
4279	4279	4280	1.150
4280	4280	4281	1.150
4281	4281	4282	1.150
4282	4282	4283	1.150
4283	4283	4284	1.150
4284	4284	4285	1.150
4285	4285	4286	1.150
4286	4286	4287	1.150
4287	4287	4288	1.150
4288	4288	4289	1.150
4289	4289	4290	1.150
4290	4290	4291	1.150
4291	4291	4292	1.150
4292	4292	4293	1.150
4293	4293	4294	1.150
4294	4294	4295	1.150
4295	4295	4296	1.150
4296	4296	4297	1.150
4297	4297	4298	1.150
4298	4298	4299	1.150
4299	4299	4300	1.150
4300	4300	4301	1.150
4301	4301	4302	1.150
4302	4302	4303	1.150
4303	4303	4304	1.150
4304	4304	4305	1.150
4305	4305	4306	1.150
4306	4306	4307	1.150
4307	4307	4308	1.150
4308	4308	4309	1.150
4309	4309	4310	1.150
4310	4310	4311	1.150
4311	4311	4312	1.150
4312	4312	4313	1.150
4313	4313	4314	1.150
4314	4314	4315	1.150

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Barra	Nudos	Nudo 2	Longitud (m)
4315	4315	4316	1.150
4316	4316	4317	1.150
4317	4317	4318	1.150
4318	4318	4319	1.150
4319	4319	4320	1.150
4320	4320	4321	1.150
4321	4321	4322	1.150
4322	4322	4323	1.150
4323	4323	4324	1.150
4324	4324	4325	1.150
4325	4325	4326	1.150
4326	4326	4327	1.150
4327	4327	4328	1.150
4328	4328	4329	1.150
4329	4329	4330	1.150
4330	4330	4331	1.150
4331	4331	4332	1.150
4332	4332	4333	1.150
4333	4333	4334	1.150
4334	4334	4335	1.150
4335	4335	4336	1.150
4336	4336	4337	1.150
4337	4337	4338	1.150
4338	4338	4339	1.150
4339	4339	4340	1.150
4340	4340	4341	1.150
4341	4341	4342	1.150
4342	4342	4343	1.150
4343	4343	4344	1.150
4344	4344	4345	1.150
4345	4345	4346	1.150
4346	4346	4347	1.150
4347	4347	4348	1.150
4348	4348	4349	1.150
4349	4349	4350	1.150
4350	4350	4351	1.150
4351	4351	4352	1.150
4352	4352	4353	1.150
4353	4353	4354	1.150
4354	4354	4355	1.150
4355	4355	4356	1.150
4356	4356	4357	1.150
4357	4357	4358	1.150
4358	4358	4359	1.150
4359	4359	4360	1.150
4360	4360	4361	1.150
4361	4361	4362	1.150
4362	4362	4363	1.150
4363	4363	4364	1.150
4364	4364	4365	1.150
4365	4365	4366	1.150
4366	4366	4367	1.150
4367	4367	4368	1.150
4368	4368	4369	1.150
4369	4369	4370	1.150
4370	4370	4371	1.150
4371	4371	4372	1.150

Barra	Nudos	Nudo 2	Longitud (m)
4372	4372	4373	1.150
4373	4373	4374	1.150
4374	4374	4375	1.150
4375	4375	4376	1.150
4376	4376	4377	1.150
4377	4377	4378	1.150
4378	4378	4379	1.150
4379	4379	4380	1.150
4380	4380	4381	1.150
4381	4381	4382	1.150
4382	4382	4383	1.150
4383	4383	4384	1.150
4384	4384	4385	1.150
4601	4601	4602	1.150
4602	4602	4603	1.150
4603	4603	4604	1.150
4604	4604	4605	1.150
4605	4605	4606	1.150
4606	4606	4607	1.150
4607	4607	4608	1.150
4608	4608	4609	1.150
4609	4609	4610	1.150
4610	4610	4611	1.150
4611	4611	4612	1.150
4612	4612	4613	1.150
4613	4613	4614	1.150
4614	4614	4615	1.150
4615	4615	4616	1.150
4616	4616	4617	1.150
4617	4617	4618	1.150
4618	4618	4619	1.150
4619	4619	4620	1.150
4620	4620	4621	1.150
4621	4621	4622	1.150
4622	4622	4623	1.150
4623	4623	4624	1.150
4624	4624	4625	1.150
4625	4625	4626	1.150
4626	4626	4627	1.150
4627	4627	4628	1.150
4628	4628	4629	1.150
4629	4629	4630	1.150
4630	4630	4631	1.150
4631	4631	4632	1.150
4632	4632	4633	1.150
4633	4633	4634	1.150
4634	4634	4635	1.150
4635	4635	4636	1.150
4636	4636	4637	1.150
4637	4637	4638	1.150
4638	4638	4639	1.150
4639	4639	4640	1.150
4640	4640	4641	1.150
4641	4641	4642	1.150
4642	4642	4643	1.150
4643	4643	4644	1.150
4644	4644	4645	1.150

Barra	Nudos	Nudo 2	Longitud (m)
4645	4645	4646	1.150
4646	4646	4647	1.150
4647	4647	4648	1.150
4648	4648	4649	1.150
4649	4649	4650	1.150
4650	4650	4651	1.150
4651	4651	4652	1.150
4652	4652	4653	1.150
4653	4653	4654	1.150
4654	4654	4655	1.150
4655	4655	4656	1.150
4656	4656	4657	1.150
4657	4657	4658	1.150
4658	4658	4659	1.150
4659	4659	4660	1.150
4660	4660	4661	1.150
4661	4661	4662	1.150
4662	4662	4663	1.150
4663	4663	4664	1.150
4664	4664	4665	1.150
4665	4665	4666	1.150
4666	4666	4667	1.150
4667	4667	4668	1.150
4668	4668	4669	1.150
4669	4669	4670	1.150
4670	4670	4671	1.150
4671	4671	4672	1.150
4672	4672	4673	1.150
4673	4673	4674	1.150
4674	4674	4675	1.150
4675	4675	4676	1.150
4676	4676	4677	1.150
4677	4677	4678	1.150
4678	4678	4679	1.150
4679	4679	4680	1.150
4680	4680	4681	1.150
4681	4681	4682	1.150
4682	4682	4683	1.150
4683	4683	4684	1.150
4684	4684	4685	1.150
4685	4685	4686	1.150
4686	4686	4687	1.150
4687	4687	4688	1.150
4688	4688	4689	1.150
4689	4689	4690	1.150
4690	4690	4691	1.150
4691	4691	4692	1.150
4692	4692	4693	1.150
4693	4693	4694	1.150
4694	4694	4695	1.150
4695	4695	4696	1.150
4696	4696	4697	1.150
4697	4697	4698	1.150
4698	4698	4699	1.150
4699	4699	4700	1.150
4700	4700	4701	1.150
4701	4701	4702	1.150

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Barra	Nudos	Nudo 2	Longitud (m)
4702	4702	4703	1.150
4703	4703	4704	1.150
4704	4704	4705	1.150
4705	4705	4706	1.150
4706	4706	4707	1.150
4707	4707	4708	1.150
4708	4708	4709	1.150
4709	4709	4710	1.150
4710	4710	4711	1.150
4711	4711	4712	1.150
4712	4712	4713	1.150
4713	4713	4714	1.150
4714	4714	4715	1.150
4715	4715	4716	1.150
4716	4716	4717	1.150
4717	4717	4718	1.150
4718	4718	4719	1.150
4719	4719	4720	1.150
4720	4720	4721	1.150
4721	4721	4722	1.150
4722	4722	4723	1.150
4723	4723	4724	1.150
4724	4724	4725	1.150
4725	4725	4726	1.150
4726	4726	4727	1.150
4727	4727	4728	1.150
4728	4728	4729	1.150
4729	4729	4730	1.150
4730	4730	4731	1.150
4731	4731	4732	1.150
4732	4732	4733	1.150
4733	4733	4734	1.150
4734	4734	4735	1.150
4735	4735	4736	1.150
4736	4736	4737	1.150
4737	4737	4738	1.150
4738	4738	4739	1.150
4739	4739	4740	1.150
4740	4740	4741	1.150
4741	4741	4742	1.150
4742	4742	4743	1.150
4743	4743	4744	1.150
4744	4744	4745	1.150
4745	4745	4746	1.150
4746	4746	4747	1.150
4747	4747	4748	1.150
4748	4748	4749	1.150
4749	4749	4750	1.150
4750	4750	4751	1.150
4751	4751	4752	1.150
4752	4752	4753	1.150
4753	4753	4754	1.150
4754	4754	4755	1.150
4755	4755	4756	1.150
4756	4756	4757	1.150
4757	4757	4758	1.150
4758	4758	4759	1.150

Barra	Nudos	Nudo 2	Longitud (m)
4759	4759	4760	1.150
4760	4760	4761	1.150
4761	4761	4762	1.150
4762	4762	4763	1.150
4763	4763	4764	1.150
4764	4764	4765	1.150
4765	4765	4766	1.150
4766	4766	4767	1.150
4767	4767	4768	1.150
4768	4768	4769	1.150
4769	4769	4770	1.150
4770	4770	4771	1.150
4771	4771	4772	1.150
4772	4772	4773	1.150
4773	4773	4774	1.150
4774	4774	4775	1.150
4775	4775	4776	1.150
4776	4776	4777	1.150
4777	4777	4778	1.150
4778	4778	4779	1.150
4779	4779	4780	1.150
4780	4780	4781	1.150
4781	4781	4782	1.150
4782	4782	4783	1.150
4783	4783	4784	1.150
4784	4784	4785	1.150
5201	201	5201	0.100
5202	202	5202	0.100
5203	203	5203	0.100
5204	204	5204	0.137
5205	205	5205	0.174
5206	206	5206	0.174
5207	207	5207	0.174
5208	208	5208	0.174
5209	209	5209	0.174
5210	210	5210	0.174
5211	211	5211	0.174
5212	212	5212	0.174
5213	213	5213	0.174
5214	214	5214	0.174
5215	215	5215	0.174
5216	216	5216	0.174
5217	217	5217	0.174
5218	218	5218	0.174
5219	219	5219	0.174
5220	220	5220	0.174
5221	221	5221	0.174
5222	222	5222	0.174
5223	223	5223	0.174
5224	224	5224	0.174
5225	225	5225	0.174
5226	226	5226	0.174
5227	227	5227	0.174
5228	228	5228	0.137
5229	229	5229	0.100
5230	230	5230	0.100
5231	231	5231	0.100

Barra	Nudos	Nudo 2	Longitud (m)
5232	232	5232	0.100
5233	233	5233	0.100
5234	234	5234	0.137
5235	235	5235	0.174
5236	236	5236	0.174
5237	237	5237	0.174
5238	238	5238	0.174
5239	239	5239	0.174
5240	240	5240	0.174
5241	241	5241	0.174
5242	242	5242	0.174
5243	243	5243	0.174
5244	244	5244	0.174
5245	245	5245	0.174
5246	246	5246	0.174
5247	247	5247	0.174
5248	248	5248	0.174
5249	249	5249	0.174
5250	250	5250	0.174
5251	251	5251	0.174
5252	252	5252	0.174
5253	253	5253	0.174
5254	254	5254	0.174
5255	255	5255	0.174
5256	256	5256	0.174
5257	257	5257	0.174
5258	258	5258	0.174
5259	259	5259	0.174
5260	260	5260	0.174
5261	261	5261	0.174
5262	262	5262	0.174
5263	263	5263	0.174
5264	264	5264	0.174
5265	265	5265	0.174
5266	266	5266	0.174
5267	267	5267	0.174
5268	268	5268	0.137
5269	269	5269	0.100
5270	270	5270	0.100
5271	271	5271	0.100
5272	272	5272	0.100
5273	273	5273	0.100
5274	274	5274	0.137
5275	275	5275	0.174
5276	276	5276	0.174
5277	277	5277	0.174
5278	278	5278	0.174
5279	279	5279	0.174
5280	280	5280	0.174
5281	281	5281	0.174
5282	282	5282	0.174
5283	283	5283	0.174
5284	284	5284	0.174
5285	285	5285	0.174
5286	286	5286	0.174
5287	287	5287	0.174
5288	288	5288	0.174

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Barra	Nudos	Nudo 2	Longitud (m)
5289	289	5289	0.174
5290	290	5290	0.174
5291	291	5291	0.174
5292	292	5292	0.174
5293	293	5293	0.174
5294	294	5294	0.174
5295	295	5295	0.174
5296	296	5296	0.174
5297	297	5297	0.174
5298	298	5298	0.174
5299	299	5299	0.174
5300	300	5300	0.174
5301	301	5301	0.174
5302	302	5302	0.174
5303	303	5303	0.174
5304	304	5304	0.174
5305	305	5305	0.174
5306	306	5306	0.174
5307	307	5307	0.174
5308	308	5308	0.137
5309	309	5309	0.100
5310	310	5310	0.100
5311	311	5311	0.100
5312	312	5312	0.100
5313	313	5313	0.100
5314	314	5314	0.137
5315	315	5315	0.174
5316	316	5316	0.174
5317	317	5317	0.174
5318	318	5318	0.174
5319	319	5319	0.174
5320	320	5320	0.174
5321	321	5321	0.174
5322	322	5322	0.174
5323	323	5323	0.174
5324	324	5324	0.174
5325	325	5325	0.174
5326	326	5326	0.174
5327	327	5327	0.174
5328	328	5328	0.174
5329	329	5329	0.174
5330	330	5330	0.174
5331	331	5331	0.174
5332	332	5332	0.174
5333	333	5333	0.174
5334	334	5334	0.174
5335	335	5335	0.174
5336	336	5336	0.174
5337	337	5337	0.174
5338	338	5338	0.174
5339	339	5339	0.174
5340	340	5340	0.174
5341	341	5341	0.174
5342	342	5342	0.174
5343	343	5343	0.174
5344	344	5344	0.174
5345	345	5345	0.174

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Barra	Nudos	Nudo 2	Longitud (m)
5346	346	5346	0.137
5347	347	5347	0.100
5348	348	5348	0.100
5349	349	5349	0.100
5350	350	5350	0.100
5351	351	5351	0.100
5352	352	5352	0.137
5353	353	5353	0.174
5354	354	5354	0.174
5355	355	5355	0.174
5356	356	5356	0.174
5357	357	5357	0.174
5358	358	5358	0.174
5359	359	5359	0.174
5360	360	5360	0.174
5361	361	5361	0.174
5362	362	5362	0.174
5363	363	5363	0.174
5364	364	5364	0.174
5365	365	5365	0.174
5366	366	5366	0.174
5367	367	5367	0.174
5368	368	5368	0.174
5369	369	5369	0.174
5370	370	5370	0.174
5371	371	5371	0.174
5372	372	5372	0.174
5373	373	5373	0.174
5374	374	5374	0.174
5375	375	5375	0.174
5376	376	5376	0.174
5377	377	5377	0.174
5378	378	5378	0.174
5379	379	5379	0.174
5380	380	5380	0.174
5381	381	5381	0.174
5382	382	5382	0.137
5383	383	5383	0.100
5384	384	5384	0.100
5385	385	5385	0.100
5601	601	5601	0.100
5602	602	5602	0.100
5603	603	5603	0.100
5604	604	5604	0.137
5605	605	5605	0.174
5606	606	5606	0.174
5607	607	5607	0.174
5608	608	5608	0.174
5609	609	5609	0.174
5610	610	5610	0.174
5611	611	5611	0.174
5612	612	5612	0.174
5613	613	5613	0.174
5614	614	5614	0.174
5615	615	5615	0.174
5616	616	5616	0.174
5617	617	5617	0.174

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Barra	Nudos	Nudo 2	Longitud (m)
5618	618	5618	0.174
5619	619	5619	0.174
5620	620	5620	0.174
5621	621	5621	0.174
5622	622	5622	0.174
5623	623	5623	0.174
5624	624	5624	0.174
5625	625	5625	0.174
5626	626	5626	0.174
5627	627	5627	0.174
5628	628	5628	0.137
5629	629	5629	0.100
5630	630	5630	0.100
5631	631	5631	0.100
5632	632	5632	0.100
5633	633	5633	0.100
5634	634	5634	0.137
5635	635	5635	0.174
5636	636	5636	0.174
5637	637	5637	0.174
5638	638	5638	0.174
5639	639	5639	0.174
5640	640	5640	0.174
5641	641	5641	0.174
5642	642	5642	0.174
5643	643	5643	0.174
5644	644	5644	0.174
5645	645	5645	0.174
5646	646	5646	0.174
5647	647	5647	0.174
5648	648	5648	0.174
5649	649	5649	0.174
5650	650	5650	0.174
5651	651	5651	0.174
5652	652	5652	0.174
5653	653	5653	0.174
5654	654	5654	0.174
5655	655	5655	0.174
5656	656	5656	0.174
5657	657	5657	0.174
5658	658	5658	0.174
5659	659	5659	0.174
5660	660	5660	0.174
5661	661	5661	0.174
5662	662	5662	0.174
5663	663	5663	0.174
5664	664	5664	0.174
5665	665	5665	0.174
5666	666	5666	0.174
5667	667	5667	0.174
5668	668	5668	0.137
5669	669	5669	0.100
5670	670	5670	0.100
5671	671	5671	0.100
5672	672	5672	0.100
5673	673	5673	0.100
5674	674	5674	0.137

Barra	Nudos	Nudo 2	Longitud (m)
5675	675	5675	0.174
5676	676	5676	0.174
5677	677	5677	0.174
5678	678	5678	0.174
5679	679	5679	0.174
5680	680	5680	0.174
5681	681	5681	0.174
5682	682	5682	0.174
5683	683	5683	0.174
5684	684	5684	0.174
5685	685	5685	0.174
5686	686	5686	0.174
5687	687	5687	0.174
5688	688	5688	0.174
5689	689	5689	0.174
5690	690	5690	0.174
5691	691	5691	0.174
5692	692	5692	0.174
5693	693	5693	0.174
5694	694	5694	0.174
5695	695	5695	0.174
5696	696	5696	0.174
5697	697	5697	0.174
5698	698	5698	0.174
5699	699	5699	0.174
5700	700	5700	0.174
5701	701	5701	0.174
5702	702	5702	0.174
5703	703	5703	0.174
5704	704	5704	0.174
5705	705	5705	0.174
5706	706	5706	0.174
5707	707	5707	0.174
5708	708	5708	0.137
5709	709	5709	0.100
5710	710	5710	0.100
5711	711	5711	0.100
5712	712	5712	0.100
5713	713	5713	0.100
5714	714	5714	0.137
5715	715	5715	0.174
5716	716	5716	0.174
5717	717	5717	0.174
5718	718	5718	0.174
5719	719	5719	0.174
5720	720	5720	0.174
5721	721	5721	0.174
5722	722	5722	0.174
5723	723	5723	0.174
5724	724	5724	0.174
5725	725	5725	0.174
5726	726	5726	0.174
5727	727	5727	0.174
5728	728	5728	0.174
5729	729	5729	0.174
5730	730	5730	0.174
5731	731	5731	0.174

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Barra	Nudos	Nudo 2	Longitud (m)
5732	732	5732	0.174
5733	733	5733	0.174
5734	734	5734	0.174
5735	735	5735	0.174
5736	736	5736	0.174
5737	737	5737	0.174
5738	738	5738	0.174
5739	739	5739	0.174
5740	740	5740	0.174
5741	741	5741	0.174
5742	742	5742	0.174
5743	743	5743	0.174
5744	744	5744	0.174
5745	745	5745	0.174
5746	746	5746	0.137
5747	747	5747	0.100
5748	748	5748	0.100
5749	749	5749	0.100
5750	750	5750	0.100
5751	751	5751	0.100
5752	752	5752	0.137
5753	753	5753	0.174
5754	754	5754	0.174
5755	755	5755	0.174
5756	756	5756	0.174
5757	757	5757	0.174
5758	758	5758	0.174
5759	759	5759	0.174
5760	760	5760	0.174
5761	761	5761	0.174
5762	762	5762	0.174
5763	763	5763	0.174
5764	764	5764	0.174
5765	765	5765	0.174
5766	766	5766	0.174
5767	767	5767	0.174
5768	768	5768	0.174
5769	769	5769	0.174
5770	770	5770	0.174
5771	771	5771	0.174
5772	772	5772	0.174
5773	773	5773	0.174
5774	774	5774	0.174
5775	775	5775	0.174
5776	776	5776	0.174
5777	777	5777	0.174
5778	778	5778	0.174
5779	779	5779	0.174
5780	780	5780	0.174
5781	781	5781	0.174
5782	782	5782	0.137
5783	783	5783	0.100
5784	784	5784	0.100
5785	785	5785	0.100
6201	6201	6202	1.150
6202	6202	6203	1.150
6203	6203	6204	1.150

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Barra	Nudos	Nudo 2	Longitud (m)
6204	6204	6205	1.150
6205	6205	6206	1.150
6206	6206	6207	1.150
6207	6207	6208	1.150
6208	6208	6209	1.150
6209	6209	6210	1.150
6210	6210	6211	1.150
6211	6211	6212	1.150
6212	6212	6213	1.150
6213	6213	6214	1.150
6214	6214	6215	1.150
6215	6215	6216	1.150
6216	6216	6217	1.150
6217	6217	6218	1.150
6218	6218	6219	1.150
6219	6219	6220	1.150
6220	6220	6221	1.150
6221	6221	6222	1.150
6222	6222	6223	1.150
6223	6223	6224	1.150
6224	6224	6225	1.150
6225	6225	6226	1.150
6226	6226	6227	1.150
6227	6227	6228	1.150
6228	6228	6229	1.150
6229	6229	6230	1.150
6230	6230	6231	1.150
6231	6231	6232	1.150
6232	6232	6233	1.150
6233	6233	6234	1.150
6234	6234	6235	1.150
6235	6235	6236	1.150
6236	6236	6237	1.150
6237	6237	6238	1.150
6238	6238	6239	1.150
6239	6239	6240	1.150
6240	6240	6241	1.150
6241	6241	6242	1.150
6242	6242	6243	1.150
6243	6243	6244	1.150
6244	6244	6245	1.150
6245	6245	6246	1.150
6246	6246	6247	1.150
6247	6247	6248	1.150
6248	6248	6249	1.150
6249	6249	6250	1.150
6250	6250	6251	1.150
6251	6251	6252	1.150
6252	6252	6253	1.150
6253	6253	6254	1.150
6254	6254	6255	1.150
6255	6255	6256	1.150
6256	6256	6257	1.150
6257	6257	6258	1.150
6258	6258	6259	1.150
6259	6259	6260	1.150
6260	6260	6261	1.150

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Proyecto : LAV SANT BOI - Viaducto del Llobregat

Barra	Nudos	Nudo 2	Longitud (m)
6261	6261	6262	1.150
6262	6262	6263	1.150
6263	6263	6264	1.150
6264	6264	6265	1.150
6265	6265	6266	1.150
6266	6266	6267	1.150
6267	6267	6268	1.150
6268	6268	6269	1.150
6269	6269	6270	1.150
6270	6270	6271	1.150
6271	6271	6272	1.150
6272	6272	6273	1.150
6273	6273	6274	1.150
6274	6274	6275	1.150
6275	6275	6276	1.150
6276	6276	6277	1.150
6277	6277	6278	1.150
6278	6278	6279	1.150
6279	6279	6280	1.150
6280	6280	6281	1.150
6281	6281	6282	1.150
6282	6282	6283	1.150
6283	6283	6284	1.150
6284	6284	6285	1.150
6285	6285	6286	1.150
6286	6286	6287	1.150
6287	6287	6288	1.150
6288	6288	6289	1.150
6289	6289	6290	1.150
6290	6290	6291	1.150
6291	6291	6292	1.150
6292	6292	6293	1.150
6293	6293	6294	1.150
6294	6294	6295	1.150
6295	6295	6296	1.150
6296	6296	6297	1.150
6297	6297	6298	1.150
6298	6298	6299	1.150
6299	6299	6300	1.150
6300	6300	6301	1.150
6301	6301	6302	1.150
6302	6302	6303	1.150
6303	6303	6304	1.150
6304	6304	6305	1.150
6305	6305	6306	1.150
6306	6306	6307	1.150
6307	6307	6308	1.150
6308	6308	6309	1.150
6309	6309	6310	1.150
6310	6310	6311	1.150
6311	6311	6312	1.150
6312	6312	6313	1.150
6313	6313	6314	1.150
6314	6314	6315	1.150
6315	6315	6316	1.150
6316	6316	6317	1.150
6317	6317	6318	1.150

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Barra	Nudos	Nudo 2	Longitud (m)
6318	6318	6319	1.150
6319	6319	6320	1.150
6320	6320	6321	1.150
6321	6321	6322	1.150
6322	6322	6323	1.150
6323	6323	6324	1.150
6324	6324	6325	1.150
6325	6325	6326	1.150
6326	6326	6327	1.150
6327	6327	6328	1.150
6328	6328	6329	1.150
6329	6329	6330	1.150
6330	6330	6331	1.150
6331	6331	6332	1.150
6332	6332	6333	1.150
6333	6333	6334	1.150
6334	6334	6335	1.150
6335	6335	6336	1.150
6336	6336	6337	1.150
6337	6337	6338	1.150
6338	6338	6339	1.150
6339	6339	6340	1.150
6340	6340	6341	1.150
6341	6341	6342	1.150
6342	6342	6343	1.150
6343	6343	6344	1.150
6344	6344	6345	1.150
6345	6345	6346	1.150
6346	6346	6347	1.150
6347	6347	6348	1.150
6348	6348	6349	1.150
6349	6349	6350	1.150
6350	6350	6351	1.150
6351	6351	6352	1.150
6352	6352	6353	1.150
6353	6353	6354	1.150
6354	6354	6355	1.150
6355	6355	6356	1.150
6356	6356	6357	1.150
6357	6357	6358	1.150
6358	6358	6359	1.150
6359	6359	6360	1.150
6360	6360	6361	1.150
6361	6361	6362	1.150
6362	6362	6363	1.150
6363	6363	6364	1.150
6364	6364	6365	1.150
6365	6365	6366	1.150
6366	6366	6367	1.150
6367	6367	6368	1.150
6368	6368	6369	1.150
6369	6369	6370	1.150
6370	6370	6371	1.150
6371	6371	6372	1.150
6372	6372	6373	1.150
6373	6373	6374	1.150
6374	6374	4201	1.150

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Barra	Nudos	Nudo 2	Longitud (m)
6601	6601	6602	1.150
6602	6602	6603	1.150
6603	6603	6604	1.150
6604	6604	6605	1.150
6605	6605	6606	1.150
6606	6606	6607	1.150
6607	6607	6608	1.150
6608	6608	6609	1.150
6609	6609	6610	1.150
6610	6610	6611	1.150
6611	6611	6612	1.150
6612	6612	6613	1.150
6613	6613	6614	1.150
6614	6614	6615	1.150
6615	6615	6616	1.150
6616	6616	6617	1.150
6617	6617	6618	1.150
6618	6618	6619	1.150
6619	6619	6620	1.150
6620	6620	6621	1.150
6621	6621	6622	1.150
6622	6622	6623	1.150
6623	6623	6624	1.150
6624	6624	6625	1.150
6625	6625	6626	1.150
6626	6626	6627	1.150
6627	6627	6628	1.150
6628	6628	6629	1.150
6629	6629	6630	1.150
6630	6630	6631	1.150
6631	6631	6632	1.150
6632	6632	6633	1.150
6633	6633	6634	1.150
6634	6634	6635	1.150
6635	6635	6636	1.150
6636	6636	6637	1.150
6637	6637	6638	1.150
6638	6638	6639	1.150
6639	6639	6640	1.150
6640	6640	6641	1.150
6641	6641	6642	1.150
6642	6642	6643	1.150
6643	6643	6644	1.150
6644	6644	6645	1.150
6645	6645	6646	1.150
6646	6646	6647	1.150
6647	6647	6648	1.150
6648	6648	6649	1.150
6649	6649	6650	1.150
6650	6650	6651	1.150
6651	6651	6652	1.150
6652	6652	6653	1.150
6653	6653	6654	1.150
6654	6654	6655	1.150
6655	6655	6656	1.150
6656	6656	6657	1.150
6657	6657	6658	1.150

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Barra	Nudos	Nudo 2	Longitud (m)
6658	6658	6659	1.150
6659	6659	6660	1.150
6660	6660	6661	1.150
6661	6661	6662	1.150
6662	6662	6663	1.150
6663	6663	6664	1.150
6664	6664	6665	1.150
6665	6665	6666	1.150
6666	6666	6667	1.150
6667	6667	6668	1.150
6668	6668	6669	1.150
6669	6669	6670	1.150
6670	6670	6671	1.150
6671	6671	6672	1.150
6672	6672	6673	1.150
6673	6673	6674	1.150
6674	6674	6675	1.150
6675	6675	6676	1.150
6676	6676	6677	1.150
6677	6677	6678	1.150
6678	6678	6679	1.150
6679	6679	6680	1.150
6680	6680	6681	1.150
6681	6681	6682	1.150
6682	6682	6683	1.150
6683	6683	6684	1.150
6684	6684	6685	1.150
6685	6685	6686	1.150
6686	6686	6687	1.150
6687	6687	6688	1.150
6688	6688	6689	1.150
6689	6689	6690	1.150
6690	6690	6691	1.150
6691	6691	6692	1.150
6692	6692	6693	1.150
6693	6693	6694	1.150
6694	6694	6695	1.150
6695	6695	6696	1.150
6696	6696	6697	1.150
6697	6697	6698	1.150
6698	6698	6699	1.150
6699	6699	6700	1.150
6700	6700	6701	1.150
6701	6701	6702	1.150
6702	6702	6703	1.150
6703	6703	6704	1.150
6704	6704	6705	1.150
6705	6705	6706	1.150
6706	6706	6707	1.150
6707	6707	6708	1.150
6708	6708	6709	1.150
6709	6709	6710	1.150
6710	6710	6711	1.150
6711	6711	6712	1.150
6712	6712	6713	1.150
6713	6713	6714	1.150
6714	6714	6715	1.150

Barra	Nudos	Nudo 2	Longitud (m)
6715	6715	6716	1.150
6716	6716	6717	1.150
6717	6717	6718	1.150
6718	6718	6719	1.150
6719	6719	6720	1.150
6720	6720	6721	1.150
6721	6721	6722	1.150
6722	6722	6723	1.150
6723	6723	6724	1.150
6724	6724	6725	1.150
6725	6725	6726	1.150
6726	6726	6727	1.150
6727	6727	6728	1.150
6728	6728	6729	1.150
6729	6729	6730	1.150
6730	6730	6731	1.150
6731	6731	6732	1.150
6732	6732	6733	1.150
6733	6733	6734	1.150
6734	6734	6735	1.150
6735	6735	6736	1.150
6736	6736	6737	1.150
6737	6737	6738	1.150
6738	6738	6739	1.150
6739	6739	6740	1.150
6740	6740	6741	1.150
6741	6741	6742	1.150
6742	6742	6743	1.150
6743	6743	6744	1.150
6744	6744	6745	1.150
6745	6745	6746	1.150
6746	6746	6747	1.150
6747	6747	6748	1.150
6748	6748	6749	1.150
6749	6749	6750	1.150
6750	6750	6751	1.150
6751	6751	6752	1.150
6752	6752	6753	1.150
6753	6753	6754	1.150
6754	6754	6755	1.150
6755	6755	6756	1.150
6756	6756	6757	1.150
6757	6757	6758	1.150
6758	6758	6759	1.150
6759	6759	6760	1.150
6760	6760	6761	1.150
6761	6761	6762	1.150
6762	6762	6763	1.150
6763	6763	6764	1.150
6764	6764	6765	1.150
6765	6765	6766	1.150
6766	6766	6767	1.150
6767	6767	6768	1.150
6768	6768	6769	1.150
6769	6769	6770	1.150
6770	6770	6771	1.150
6771	6771	6772	1.150

Barra	Nudos	Nudo 2	Longitud (m)
6772	6772	6773	1.150
6773	6773	6774	1.150
6774	6774	4601	1.150

Características de las barras del modelo

Nombre de la sección	Lista de barras	SX (m2)	SY (m2)	SZ (m2)	IX (m4)	IY (m4)	IZ (m4)
NS 1	1A3 28A33 68A73 108A113 146A151 182A184 801A803 828A833 868A873 908A913 946A951 982A984	6.780	0.0	0.0	1.671	8.088	1.666
NS 2	4A27 34A67 74A107 114A145 152A181 804A827 834A867 874A907 914A945 952A981	5.218	0.0	0.0	0.208	7.318	1.833
NS 3	201A384 601A784	0.000	0.0	0.0	0.046	0.014	0.495
NS 4	1001A1185CA2 1601A1785CA2	0.853	0.0	0.0	0.029	0.027	0.235
NS 5	1201A1385CA2 1401A1585CA2	1.124	0.0	0.0	0.045	0.092	0.279
NS 6	4201A4384 4601A4784 6201A6374 6601A6774	0.015	0.0	0.0	0.007	0.000	0.032
RE 1	2001A2004	95.000	79.167	79.167	189.711	49.479	11431.667
RE 2	2300A2305 2400A2405	25.000	20.833	20.833	87.864	52.083	52.083
RE 3	2100A2105 2200A2205	400.000	333.333	333.333	22493.294	13333.333	13333.333
RE 4	2000 2005	67.500	56.250	56.250	431.256	140.625	1025.156

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	Nombre de la sección	Lista de barras	SX (m2)	SY (m2)	SZ (m2)	IX (m4)	IY (m4)	IZ (m4)
	TU 1	5201A5385 5601A5785	19.635	16.567	16.567	61.359	30.680	30.680

7.6.5. Modelo de Frenado y Arranque: Cargas aplicadas, Tensiones Axiles y Desplazamientos.

Cargas - Casos: 2A6

	Caso	Lista	Nombre del caso	Tipo de carga	Valores de carga
	1	1A184	PESO PROPIO	peso propio	PZ Menos Coef=0.0
	1	801A984	PESO PROPIO	peso propio	PZ Menos Coef=0.0
	1	1A185CA2	PESO PROPIO	fuerza nodal	FZ=-3.712(kN)
	1	201A385CA2	PESO PROPIO	fuerza nodal	FZ=-19.925(kN)
	1	401A585CA2	PESO PROPIO	fuerza nodal	FZ=-17.762(kN)
	1	601A785CA2	PESO PROPIO	fuerza nodal	FZ=-19.925(kN)
	1	801A985CA2	PESO PROPIO	fuerza nodal	FZ=-3.712(kN)
	2	4601A4784	Frenado +vo en vía izda	sobrecarga uniforme	PX=24.200(kN/m) local
	3	4601A4784	Frenado -vo en vía izda	sobrecarga uniforme	PX=-24.200(kN/m) local
	4	4359A4384	Arranque +vo en vía dcha - vano 5	sobrecarga uniforme	PX=39.930(kN/m) local
	4	4358	Arranque +vo en vía dcha - vano 5	carga trapezoidal	PX2=39.930(kN/m) PX1=39.930(kN/m) X2=1.150(m) X1=1.050(m) local no proyectadas absolutos
	5	4201A4226	Arranque -vo en vía dcha - vano 1	sobrecarga uniforme	PX=-39.930(kN/m) local

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	Caso	Lista	Nombre del caso	Tipo de carga	Valores de carga
	5	4227	Arranque -vo en vía dcha - vano 1	carga trapezoidal	PX2=-39.930(kN/m) PX1=-39.930(kN/m) X2=0.100(m) X1=0.0(m) local no proyectadas absolutos
	6	4359A4384	Arranque -vo en vía dcha - vano 5	sobrecarga uniforme	PX=-39.930(kN/m) local
	6	4358	Arranque -vo en vía dcha - vano 5	carga trapezoidal	PX2=-39.930(kN/m) PX1=-39.930(kN/m) X2=1.150(m) X1=1.050(m) local no proyectadas absolutos

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Desplazamientos en extremo de tablero y carriles

- Caso: 7 (Combinación)

Nudo/Caso	UX (mm)	UY (mm)
385/ 7	2.0339	-0.0081
785/ 7	2.0427	0.0062
4385/ 7	3.3621	-0.0074
4785/ 7	2.4250	0.0060

Tensiones - Casos: 1A6 : Extremos globales

- Casos: 1A6

	Fx/Sx (MPa)
MAX	14.678
Barra	4359
Nudo	4359
Caso	6
MIN	-14.678
Barra	4359
Nudo	4359
Caso	4

Tensiones - Casos: 2 4 : Extremos globales

- Casos: 2 4

	Fx/Sx (MPa)
MAX	4.485
Barra	4384
Nudo	4385
Caso	4
MIN	-14.678
Barra	4359
Nudo	4359
Caso	4

Tensiones axiles en vías - Caso: 2 (Frenado +vo en vía izda)

- Caso: 2 (Frenado +vo en vía izda)

Barra/Nudo/Caso	Fx/Sx (MPa)
4201/ 4201/ 2	-2.376
4201/ 4202/ 2	-2.376
4202/ 4202/ 2	-2.381
4202/ 4203/ 2	-2.381
4203/ 4203/ 2	-2.464
4203/ 4204/ 2	-2.464
4204/ 4204/ 2	-2.467
4204/ 4205/ 2	-2.467
4205/ 4205/ 2	-2.509
4205/ 4206/ 2	-2.509
4206/ 4206/ 2	-2.510
4206/ 4207/ 2	-2.510
4207/ 4207/ 2	-2.522
4207/ 4208/ 2	-2.522
4208/ 4208/ 2	-2.522
4208/ 4209/ 2	-2.522
4209/ 4209/ 2	-2.522
4209/ 4210/ 2	-2.522
4210/ 4210/ 2	-2.522
4210/ 4211/ 2	-2.522
4211/ 4211/ 2	-2.514
4211/ 4212/ 2	-2.514
4212/ 4212/ 2	-2.514
4212/ 4213/ 2	-2.514
4213/ 4213/ 2	-2.500
4213/ 4214/ 2	-2.500
4214/ 4214/ 2	-2.500
4214/ 4215/ 2	-2.500
4215/ 4215/ 2	-2.480
4215/ 4216/ 2	-2.480
4216/ 4216/ 2	-2.479
4216/ 4217/ 2	-2.479
4217/ 4217/ 2	-2.454
4217/ 4218/ 2	-2.454
4218/ 4218/ 2	-2.452
4218/ 4219/ 2	-2.452
4219/ 4219/ 2	-2.421
4219/ 4220/ 2	-2.421
4220/ 4220/ 2	-2.419
4220/ 4221/ 2	-2.419
4221/ 4221/ 2	-2.381
4221/ 4222/ 2	-2.381
4222/ 4222/ 2	-2.379
4222/ 4223/ 2	-2.379
4223/ 4223/ 2	-2.334
4223/ 4224/ 2	-2.334
4224/ 4224/ 2	-2.332
4224/ 4225/ 2	-2.332
4225/ 4225/ 2	-2.278
4225/ 4226/ 2	-2.278
4226/ 4226/ 2	-2.276
4226/ 4227/ 2	-2.276
4227/ 4227/ 2	-2.210
4227/ 4228/ 2	-2.210

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Barra/Nudo/Caso	Fx/Sx (MPa)
4228/ 4228/ 2	-2.207
4228/ 4229/ 2	-2.207
4229/ 4229/ 2	-2.149
4229/ 4230/ 2	-2.149
4230/ 4230/ 2	-2.147
4230/ 4231/ 2	-2.147
4231/ 4231/ 2	-2.118
4231/ 4232/ 2	-2.118
4232/ 4232/ 2	-2.117
4232/ 4233/ 2	-2.117
4233/ 4233/ 2	-2.119
4233/ 4234/ 2	-2.119
4234/ 4234/ 2	-2.119
4234/ 4235/ 2	-2.119
4235/ 4235/ 2	-2.131
4235/ 4236/ 2	-2.131
4236/ 4236/ 2	-2.131
4236/ 4237/ 2	-2.131
4237/ 4237/ 2	-2.133
4237/ 4238/ 2	-2.133
4238/ 4238/ 2	-2.133
4238/ 4239/ 2	-2.133
4239/ 4239/ 2	-2.127
4239/ 4240/ 2	-2.127
4240/ 4240/ 2	-2.127
4240/ 4241/ 2	-2.127
4241/ 4241/ 2	-2.115
4241/ 4242/ 2	-2.115
4242/ 4242/ 2	-2.114
4242/ 4243/ 2	-2.114
4243/ 4243/ 2	-2.098
4243/ 4244/ 2	-2.098
4244/ 4244/ 2	-2.097
4244/ 4245/ 2	-2.097
4245/ 4245/ 2	-2.077
4245/ 4246/ 2	-2.077
4246/ 4246/ 2	-2.076
4246/ 4247/ 2	-2.076
4247/ 4247/ 2	-2.052
4247/ 4248/ 2	-2.052
4248/ 4248/ 2	-2.051
4248/ 4249/ 2	-2.051
4249/ 4249/ 2	-2.025
4249/ 4250/ 2	-2.025
4250/ 4250/ 2	-2.024
4250/ 4251/ 2	-2.024
4251/ 4251/ 2	-1.996
4251/ 4252/ 2	-1.996
4252/ 4252/ 2	-1.995
4252/ 4253/ 2	-1.995
4253/ 4253/ 2	-1.965
4253/ 4254/ 2	-1.965
4254/ 4254/ 2	-1.964
4254/ 4255/ 2	-1.964
4255/ 4255/ 2	-1.932
4255/ 4256/ 2	-1.932
4256/ 4256/ 2	-1.930

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Barra/Nudo/Caso	Fx/Sx (MPa)
4256/ 4257/ 2	-1.930
4257/ 4257/ 2	-1.896
4257/ 4258/ 2	-1.896
4258/ 4258/ 2	-1.895
4258/ 4259/ 2	-1.895
4259/ 4259/ 2	-1.858
4259/ 4260/ 2	-1.858
4260/ 4260/ 2	-1.856
4260/ 4261/ 2	-1.856
4261/ 4261/ 2	-1.815
4261/ 4262/ 2	-1.815
4262/ 4262/ 2	-1.813
4262/ 4263/ 2	-1.813
4263/ 4263/ 2	-1.768
4263/ 4264/ 2	-1.768
4264/ 4264/ 2	-1.766
4264/ 4265/ 2	-1.766
4265/ 4265/ 2	-1.715
4265/ 4266/ 2	-1.715
4266/ 4266/ 2	-1.712
4266/ 4267/ 2	-1.712
4267/ 4267/ 2	-1.654
4267/ 4268/ 2	-1.654
4268/ 4268/ 2	-1.651
4268/ 4269/ 2	-1.651
4269/ 4269/ 2	-1.599
4269/ 4270/ 2	-1.599
4270/ 4270/ 2	-1.597
4270/ 4271/ 2	-1.597
4271/ 4271/ 2	-1.568
4271/ 4272/ 2	-1.568
4272/ 4272/ 2	-1.568
4272/ 4273/ 2	-1.568
4273/ 4273/ 2	-1.562
4273/ 4274/ 2	-1.562
4274/ 4274/ 2	-1.562
4274/ 4275/ 2	-1.562
4275/ 4275/ 2	-1.562
4275/ 4276/ 2	-1.562
4276/ 4276/ 2	-1.562
4276/ 4277/ 2	-1.562
4277/ 4277/ 2	-1.555
4277/ 4278/ 2	-1.555
4278/ 4278/ 2	-1.555
4278/ 4279/ 2	-1.555
4279/ 4279/ 2	-1.542
4279/ 4280/ 2	-1.542
4280/ 4280/ 2	-1.542
4280/ 4281/ 2	-1.542
4281/ 4281/ 2	-1.525
4281/ 4282/ 2	-1.525
4282/ 4282/ 2	-1.524
4282/ 4283/ 2	-1.524
4283/ 4283/ 2	-1.504
4283/ 4284/ 2	-1.504
4284/ 4284/ 2	-1.503
4284/ 4285/ 2	-1.503

Barra/Nudo/Caso	Fx/Sx (MPa)
4285/ 4285/ 2	-1.480
4285/ 4286/ 2	-1.480
4286/ 4286/ 2	-1.479
4286/ 4287/ 2	-1.479
4287/ 4287/ 2	-1.454
4287/ 4288/ 2	-1.454
4288/ 4288/ 2	-1.453
4288/ 4289/ 2	-1.453
4289/ 4289/ 2	-1.426
4289/ 4290/ 2	-1.426
4290/ 4290/ 2	-1.425
4290/ 4291/ 2	-1.425
4291/ 4291/ 2	-1.397
4291/ 4292/ 2	-1.397
4292/ 4292/ 2	-1.396
4292/ 4293/ 2	-1.396
4293/ 4293/ 2	-1.366
4293/ 4294/ 2	-1.366
4294/ 4294/ 2	-1.365
4294/ 4295/ 2	-1.365
4295/ 4295/ 2	-1.334
4295/ 4296/ 2	-1.334
4296/ 4296/ 2	-1.333
4296/ 4297/ 2	-1.333
4297/ 4297/ 2	-1.300
4297/ 4298/ 2	-1.300
4298/ 4298/ 2	-1.299
4298/ 4299/ 2	-1.299
4299/ 4299/ 2	-1.265
4299/ 4300/ 2	-1.265
4300/ 4300/ 2	-1.263
4300/ 4301/ 2	-1.263
4301/ 4301/ 2	-1.227
4301/ 4302/ 2	-1.227
4302/ 4302/ 2	-1.225
4302/ 4303/ 2	-1.225
4303/ 4303/ 2	-1.186
4303/ 4304/ 2	-1.186
4304/ 4304/ 2	-1.184
4304/ 4305/ 2	-1.184
4305/ 4305/ 2	-1.140
4305/ 4306/ 2	-1.140
4306/ 4306/ 2	-1.138
4306/ 4307/ 2	-1.138
4307/ 4307/ 2	-1.090
4307/ 4308/ 2	-1.090
4308/ 4308/ 2	-1.087
4308/ 4309/ 2	-1.087
4309/ 4309/ 2	-1.043
4309/ 4310/ 2	-1.043
4310/ 4310/ 2	-1.042
4310/ 4311/ 2	-1.042
4311/ 4311/ 2	-1.013
4311/ 4312/ 2	-1.013
4312/ 4312/ 2	-1.012
4312/ 4313/ 2	-1.012
4313/ 4313/ 2	-0.999

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Barra/Nudo/Caso	Fx/Sx (MPa)
4313/ 4314/ 2	-0.999
4314/ 4314/ 2	-0.998
4314/ 4315/ 2	-0.998
4315/ 4315/ 2	-0.988
4315/ 4316/ 2	-0.988
4316/ 4316/ 2	-0.988
4316/ 4317/ 2	-0.988
4317/ 4317/ 2	-0.973
4317/ 4318/ 2	-0.973
4318/ 4318/ 2	-0.972
4318/ 4319/ 2	-0.972
4319/ 4319/ 2	-0.953
4319/ 4320/ 2	-0.953
4320/ 4320/ 2	-0.952
4320/ 4321/ 2	-0.952
4321/ 4321/ 2	-0.931
4321/ 4322/ 2	-0.931
4322/ 4322/ 2	-0.930
4322/ 4323/ 2	-0.930
4323/ 4323/ 2	-0.907
4323/ 4324/ 2	-0.907
4324/ 4324/ 2	-0.906
4324/ 4325/ 2	-0.906
4325/ 4325/ 2	-0.880
4325/ 4326/ 2	-0.880
4326/ 4326/ 2	-0.879
4326/ 4327/ 2	-0.879
4327/ 4327/ 2	-0.853
4327/ 4328/ 2	-0.853
4328/ 4328/ 2	-0.851
4328/ 4329/ 2	-0.851
4329/ 4329/ 2	-0.824
4329/ 4330/ 2	-0.824
4330/ 4330/ 2	-0.822
4330/ 4331/ 2	-0.822
4331/ 4331/ 2	-0.794
4331/ 4332/ 2	-0.794
4332/ 4332/ 2	-0.793
4332/ 4333/ 2	-0.793
4333/ 4333/ 2	-0.763
4333/ 4334/ 2	-0.763
4334/ 4334/ 2	-0.762
4334/ 4335/ 2	-0.762
4335/ 4335/ 2	-0.731
4335/ 4336/ 2	-0.731
4336/ 4336/ 2	-0.730
4336/ 4337/ 2	-0.730
4337/ 4337/ 2	-0.699
4337/ 4338/ 2	-0.699
4338/ 4338/ 2	-0.697
4338/ 4339/ 2	-0.697
4339/ 4339/ 2	-0.665
4339/ 4340/ 2	-0.665
4340/ 4340/ 2	-0.663
4340/ 4341/ 2	-0.663
4341/ 4341/ 2	-0.629
4341/ 4342/ 2	-0.629

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Barra/Nudo/Caso	Fx/Sx (MPa)
4342/ 4342/ 2	-0.627
4342/ 4343/ 2	-0.627
4343/ 4343/ 2	-0.591
4343/ 4344/ 2	-0.591
4344/ 4344/ 2	-0.589
4344/ 4345/ 2	-0.589
4345/ 4345/ 2	-0.551
4345/ 4346/ 2	-0.551
4346/ 4346/ 2	-0.549
4346/ 4347/ 2	-0.549
4347/ 4347/ 2	-0.513
4347/ 4348/ 2	-0.513
4348/ 4348/ 2	-0.512
4348/ 4349/ 2	-0.512
4349/ 4349/ 2	-0.483
4349/ 4350/ 2	-0.483
4350/ 4350/ 2	-0.482
4350/ 4351/ 2	-0.482
4351/ 4351/ 2	-0.460
4351/ 4352/ 2	-0.460
4352/ 4352/ 2	-0.459
4352/ 4353/ 2	-0.459
4353/ 4353/ 2	-0.439
4353/ 4354/ 2	-0.439
4354/ 4354/ 2	-0.438
4354/ 4355/ 2	-0.438
4355/ 4355/ 2	-0.415
4355/ 4356/ 2	-0.415
4356/ 4356/ 2	-0.414
4356/ 4357/ 2	-0.414
4357/ 4357/ 2	-0.390
4357/ 4358/ 2	-0.390
4358/ 4358/ 2	-0.389
4358/ 4359/ 2	-0.389
4359/ 4359/ 2	-0.364
4359/ 4360/ 2	-0.364
4360/ 4360/ 2	-0.363
4360/ 4361/ 2	-0.363
4361/ 4361/ 2	-0.336
4361/ 4362/ 2	-0.336
4362/ 4362/ 2	-0.335
4362/ 4363/ 2	-0.335
4363/ 4363/ 2	-0.308
4363/ 4364/ 2	-0.308
4364/ 4364/ 2	-0.307
4364/ 4365/ 2	-0.307
4365/ 4365/ 2	-0.280
4365/ 4366/ 2	-0.280
4366/ 4366/ 2	-0.278
4366/ 4367/ 2	-0.278
4367/ 4367/ 2	-0.251
4367/ 4368/ 2	-0.251
4368/ 4368/ 2	-0.250
4368/ 4369/ 2	-0.250
4369/ 4369/ 2	-0.223
4369/ 4370/ 2	-0.223
4370/ 4370/ 2	-0.222

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Barra/Nudo/Caso	Fx/Sx (MPa)
4370/ 4371/ 2	-0.222
4371/ 4371/ 2	-0.196
4371/ 4372/ 2	-0.196
4372/ 4372/ 2	-0.194
4372/ 4373/ 2	-0.194
4373/ 4373/ 2	-0.169
4373/ 4374/ 2	-0.169
4374/ 4374/ 2	-0.168
4374/ 4375/ 2	-0.168
4375/ 4375/ 2	-0.144
4375/ 4376/ 2	-0.144
4376/ 4376/ 2	-0.142
4376/ 4377/ 2	-0.142
4377/ 4377/ 2	-0.115
4377/ 4378/ 2	-0.115
4378/ 4378/ 2	-0.114
4378/ 4379/ 2	-0.114
4379/ 4379/ 2	-0.081
4379/ 4380/ 2	-0.081
4380/ 4380/ 2	-0.079
4380/ 4381/ 2	-0.079
4381/ 4381/ 2	-0.039
4381/ 4382/ 2	-0.039
4382/ 4382/ 2	-0.037
4382/ 4383/ 2	-0.037
4383/ 4383/ 2	-0.001
4383/ 4384/ 2	-0.001
4384/ 4384/ 2	0.000
4384/ 4385/ 2	0.000
4601/ 4601/ 2	-9.493
4601/ 4602/ 2	-7.686
4602/ 4602/ 2	-7.776
4602/ 4603/ 2	-5.969
4603/ 4603/ 2	-8.176
4603/ 4604/ 2	-6.369
4604/ 4604/ 2	-6.484
4604/ 4605/ 2	-4.677
4605/ 4605/ 2	-7.183
4605/ 4606/ 2	-5.375
4606/ 4606/ 2	-5.492
4606/ 4607/ 2	-3.685
4607/ 4607/ 2	-6.418
4607/ 4608/ 2	-4.610
4608/ 4608/ 2	-4.736
4608/ 4609/ 2	-2.929
4609/ 4609/ 2	-5.843
4609/ 4610/ 2	-4.036
4610/ 4610/ 2	-4.169
4610/ 4611/ 2	-2.362
4611/ 4611/ 2	-5.414
4611/ 4612/ 2	-3.607
4612/ 4612/ 2	-3.745
4612/ 4613/ 2	-1.938
4613/ 4613/ 2	-5.091
4613/ 4614/ 2	-3.284
4614/ 4614/ 2	-3.425
4614/ 4615/ 2	-1.618

Barra/Nudo/Caso	Fx/Sx (MPa)
4615/ 4615/ 2	-4.844
4615/ 4616/ 2	-3.037
4616/ 4616/ 2	-3.181
4616/ 4617/ 2	-1.374
4617/ 4617/ 2	-4.651
4617/ 4618/ 2	-2.844
4618/ 4618/ 2	-2.990
4618/ 4619/ 2	-1.183
4619/ 4619/ 2	-4.495
4619/ 4620/ 2	-2.688
4620/ 4620/ 2	-2.835
4620/ 4621/ 2	-1.028
4621/ 4621/ 2	-4.364
4621/ 4622/ 2	-2.557
4622/ 4622/ 2	-2.705
4622/ 4623/ 2	-0.898
4623/ 4623/ 2	-4.249
4623/ 4624/ 2	-2.442
4624/ 4624/ 2	-2.590
4624/ 4625/ 2	-0.783
4625/ 4625/ 2	-4.141
4625/ 4626/ 2	-2.334
4626/ 4626/ 2	-2.483
4626/ 4627/ 2	-0.676
4627/ 4627/ 2	-4.034
4627/ 4628/ 2	-2.227
4628/ 4628/ 2	-2.391
4628/ 4629/ 2	-0.584
4629/ 4629/ 2	-3.962
4629/ 4630/ 2	-2.155
4630/ 4630/ 2	-2.306
4630/ 4631/ 2	-0.499
4531/ 4631/ 2	-3.912
4631/ 4632/ 2	-2.105
4632/ 4632/ 2	-2.257
4632/ 4633/ 2	-0.450
4633/ 4633/ 2	-3.897
4633/ 4634/ 2	-2.089
4634/ 4634/ 2	-2.257
4634/ 4635/ 2	-0.450
4635/ 4635/ 2	-3.908
4635/ 4636/ 2	-2.100
4636/ 4636/ 2	-2.254
4636/ 4637/ 2	-0.447
4637/ 4637/ 2	-3.898
4637/ 4638/ 2	-2.091
4638/ 4638/ 2	-2.244
4638/ 4639/ 2	-0.437
4639/ 4639/ 2	-3.884
4639/ 4640/ 2	-2.077
4640/ 4640/ 2	-2.230
4640/ 4641/ 2	-0.422
4641/ 4641/ 2	-3.865
4641/ 4642/ 2	-2.058
4642/ 4642/ 2	-2.211
4642/ 4643/ 2	-0.404
4643/ 4643/ 2	-3.844

Barra/Nudo/Caso	Fx/Sx (MPa)
4643/ 4644/ 2	-2.037
4644/ 4644/ 2	-2.189
4644/ 4645/ 2	-0.382
4645/ 4645/ 2	-3.819
4645/ 4646/ 2	-2.012
4646/ 4646/ 2	-2.165
4646/ 4647/ 2	-0.357
4647/ 4647/ 2	-3.792
4647/ 4648/ 2	-1.985
4648/ 4648/ 2	-2.137
4648/ 4649/ 2	-0.330
4649/ 4649/ 2	-3.763
4649/ 4650/ 2	-1.956
4650/ 4650/ 2	-2.108
4650/ 4651/ 2	-0.301
4651/ 4651/ 2	-3.732
4651/ 4652/ 2	-1.925
4652/ 4652/ 2	-2.077
4652/ 4653/ 2	-0.270
4653/ 4653/ 2	-3.700
4653/ 4654/ 2	-1.892
4654/ 4654/ 2	-2.045
4654/ 4655/ 2	-0.238
4655/ 4655/ 2	-3.665
4655/ 4656/ 2	-1.858
4656/ 4656/ 2	-2.010
4656/ 4657/ 2	-0.203
4657/ 4657/ 2	-3.628
4657/ 4658/ 2	-1.821
4658/ 4658/ 2	-1.973
4658/ 4659/ 2	-0.165
4659/ 4659/ 2	-3.587
4659/ 4660/ 2	-1.780
4660/ 4660/ 2	-1.932
4660/ 4661/ 2	-0.125
4661/ 4661/ 2	-3.543
4661/ 4662/ 2	-1.736
4662/ 4662/ 2	-1.888
4662/ 4663/ 2	-0.081
4663/ 4663/ 2	-3.494
4663/ 4664/ 2	-1.687
4664/ 4664/ 2	-1.838
4664/ 4665/ 2	-0.031
4665/ 4665/ 2	-3.437
4665/ 4666/ 2	-1.630
4666/ 4666/ 2	-1.781
4666/ 4667/ 2	0.026
4667/ 4667/ 2	-3.371
4667/ 4668/ 2	-1.564
4668/ 4668/ 2	-1.730
4668/ 4669/ 2	0.078
4669/ 4669/ 2	-3.331
4669/ 4670/ 2	-1.523
4670/ 4670/ 2	-1.675
4670/ 4671/ 2	0.132
4671/ 4671/ 2	-3.300
4671/ 4672/ 2	-1.493

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Barra/Nudo/Caso	Fx/Sx (MPa)
4672/ 4672/ 2	-1.645
4672/ 4673/ 2	0.162
4673/ 4673/ 2	-3.292
4673/ 4674/ 2	-1.485
4674/ 4674/ 2	-1.653
4674/ 4675/ 2	0.154
4675/ 4675/ 2	-3.304
4675/ 4676/ 2	-1.496
4676/ 4676/ 2	-1.650
4676/ 4677/ 2	0.157
4677/ 4677/ 2	-3.293
4677/ 4678/ 2	-1.486
4678/ 4678/ 2	-1.639
4678/ 4679/ 2	0.168
4679/ 4679/ 2	-3.278
4679/ 4680/ 2	-1.471
4680/ 4680/ 2	-1.624
4680/ 4681/ 2	0.184
4681/ 4681/ 2	-3.259
4681/ 4682/ 2	-1.452
4682/ 4682/ 2	-1.604
4682/ 4683/ 2	0.203
4683/ 4683/ 2	-3.236
4683/ 4684/ 2	-1.429
4684/ 4684/ 2	-1.582
4684/ 4685/ 2	0.225
4685/ 4685/ 2	-3.212
4685/ 4686/ 2	-1.405
4686/ 4686/ 2	-1.557
4686/ 4687/ 2	0.250
4687/ 4687/ 2	-3.185
4687/ 4688/ 2	-1.378
4688/ 4688/ 2	-1.530
4688/ 4689/ 2	0.277
4689/ 4689/ 2	-3.157
4689/ 4690/ 2	-1.350
4690/ 4690/ 2	-1.502
4690/ 4691/ 2	0.305
4691/ 4691/ 2	-3.127
4691/ 4692/ 2	-1.320
4692/ 4692/ 2	-1.472
4692/ 4693/ 2	0.335
4693/ 4693/ 2	-3.096
4693/ 4694/ 2	-1.289
4694/ 4694/ 2	-1.441
4694/ 4695/ 2	0.366
4695/ 4695/ 2	-3.063
4695/ 4696/ 2	-1.256
4696/ 4696/ 2	-1.408
4696/ 4697/ 2	0.399
4697/ 4697/ 2	-3.029
4697/ 4698/ 2	-1.222
4698/ 4698/ 2	-1.374
4698/ 4699/ 2	0.433
4699/ 4699/ 2	-2.992
4699/ 4700/ 2	-1.185
4700/ 4700/ 2	-1.337

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Barra/Nudo/Caso	Fx/Sx (MPa)
4700/ 4701/ 2	0.470
4701/ 4701/ 2	-2.953
4701/ 4702/ 2	-1.146
4702/ 4702/ 2	-1.298
4702/ 4703/ 2	0.509
4703/ 4703/ 2	-2.910
4703/ 4704/ 2	-1.103
4704/ 4704/ 2	-1.254
4704/ 4705/ 2	0.553
4705/ 4705/ 2	-2.862
4705/ 4706/ 2	-1.054
4706/ 4706/ 2	-1.206
4706/ 4707/ 2	0.601
4707/ 4707/ 2	-2.807
4707/ 4708/ 2	-1.000
4708/ 4708/ 2	-1.166
4708/ 4709/ 2	0.641
4709/ 4709/ 2	-2.775
4709/ 4710/ 2	-0.968
4710/ 4710/ 2	-1.120
4710/ 4711/ 2	0.687
4711/ 4711/ 2	-2.745
4711/ 4712/ 2	-0.938
4712/ 4712/ 2	-1.090
4712/ 4713/ 2	0.717
4713/ 4713/ 2	-2.729
4713/ 4714/ 2	-0.922
4714/ 4714/ 2	-1.090
4714/ 4715/ 2	0.717
4715/ 4715/ 2	-2.730
4715/ 4716/ 2	-0.923
4716/ 4716/ 2	-1.076
4716/ 4717/ 2	0.732
4717/ 4717/ 2	-2.712
4717/ 4718/ 2	-0.904
4718/ 4718/ 2	-1.057
4718/ 4719/ 2	0.750
4719/ 4719/ 2	-2.690
4719/ 4720/ 2	-0.883
4720/ 4720/ 2	-1.036
4720/ 4721/ 2	0.771
4721/ 4721/ 2	-2.667
4721/ 4722/ 2	-0.860
4722/ 4722/ 2	-1.012
4722/ 4723/ 2	0.795
4723/ 4723/ 2	-2.641
4723/ 4724/ 2	-0.834
4724/ 4724/ 2	-0.987
4724/ 4725/ 2	0.820
4725/ 4725/ 2	-2.615
4725/ 4726/ 2	-0.807
4726/ 4726/ 2	-0.960
4726/ 4727/ 2	0.847
4727/ 4727/ 2	-2.586
4727/ 4728/ 2	-0.779
4728/ 4728/ 2	-0.932
4728/ 4729/ 2	0.875

Barra/Nudo/Caso	Fx/Sx (MPa)
4729/ 4729/ 2	-2.557
4729/ 4730/ 2	-0.750
4730/ 4730/ 2	-0.902
4730/ 4731/ 2	0.905
4731/ 4731/ 2	-2.527
4731/ 4732/ 2	-0.720
4732/ 4732/ 2	-0.872
4732/ 4733/ 2	0.935
4733/ 4733/ 2	-2.496
4733/ 4734/ 2	-0.689
4734/ 4734/ 2	-0.841
4734/ 4735/ 2	0.966
4735/ 4735/ 2	-2.463
4735/ 4736/ 2	-0.656
4736/ 4736/ 2	-0.808
4736/ 4737/ 2	0.999
4737/ 4737/ 2	-2.430
4737/ 4738/ 2	-0.623
4738/ 4738/ 2	-0.775
4738/ 4739/ 2	1.032
4739/ 4739/ 2	-2.394
4739/ 4740/ 2	-0.587
4740/ 4740/ 2	-0.739
4740/ 4741/ 2	1.068
4741/ 4741/ 2	-2.357
4741/ 4742/ 2	-0.549
4742/ 4742/ 2	-0.701
4742/ 4743/ 2	1.106
4743/ 4743/ 2	-2.316
4743/ 4744/ 2	-0.509
4744/ 4744/ 2	-0.661
4744/ 4745/ 2	1.147
4745/ 4745/ 2	-2.271
4745/ 4746/ 2	-0.464
4746/ 4746/ 2	-0.630
4746/ 4747/ 2	1.177
4747/ 4747/ 2	-2.247
4747/ 4748/ 2	-0.439
4748/ 4748/ 2	-0.591
4748/ 4749/ 2	1.216
4749/ 4749/ 2	-2.215
4749/ 4750/ 2	-0.408
4750/ 4750/ 2	-0.560
4750/ 4751/ 2	1.247
4751/ 4751/ 2	-2.190
4751/ 4752/ 2	-0.382
4752/ 4752/ 2	-0.549
4752/ 4753/ 2	1.258
4753/ 4753/ 2	-2.177
4753/ 4754/ 2	-0.370
4754/ 4754/ 2	-0.522
4754/ 4755/ 2	1.285
4755/ 4755/ 2	-2.147
4755/ 4756/ 2	-0.340
4756/ 4756/ 2	-0.492
4756/ 4757/ 2	1.315
4757/ 4757/ 2	-2.115

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Barra/Nudo/Caso	Fx/Sx (MPa)
4757/ 4758/ 2	-0.308
4758/ 4758/ 2	-0.460
4758/ 4759/ 2	1.347
4759/ 4759/ 2	-2.080
4759/ 4760/ 2	-0.273
4760/ 4760/ 2	-0.425
4760/ 4761/ 2	1.382
4761/ 4761/ 2	-2.042
4761/ 4762/ 2	-0.235
4762/ 4762/ 2	-0.387
4762/ 4763/ 2	1.420
4763/ 4763/ 2	-2.000
4763/ 4764/ 2	-0.193
4764/ 4764/ 2	-0.345
4764/ 4765/ 2	1.463
4765/ 4765/ 2	-1.952
4765/ 4766/ 2	-0.145
4766/ 4766/ 2	-0.296
4766/ 4767/ 2	1.511
4767/ 4767/ 2	-1.897
4767/ 4768/ 2	-0.089
4768/ 4768/ 2	-0.240
4768/ 4769/ 2	1.567
4769/ 4769/ 2	-1.831
4769/ 4770/ 2	-0.024
4770/ 4770/ 2	-0.175
4770/ 4771/ 2	1.632
4771/ 4771/ 2	-1.754
4771/ 4772/ 2	0.054
4772/ 4772/ 2	-0.096
4772/ 4773/ 2	1.711
4773/ 4773/ 2	-1.658
4773/ 4774/ 2	0.149
4774/ 4774/ 2	-0.000
4774/ 4775/ 2	1.807
4775/ 4775/ 2	-1.539
4775/ 4776/ 2	0.268
4776/ 4776/ 2	0.121
4776/ 4777/ 2	1.928
4777/ 4777/ 2	-1.382
4777/ 4778/ 2	0.425
4778/ 4778/ 2	0.279
4778/ 4779/ 2	2.086
4779/ 4779/ 2	-1.171
4779/ 4780/ 2	0.636
4780/ 4780/ 2	0.493
4780/ 4781/ 2	2.300
4781/ 4781/ 2	-0.881
4781/ 4782/ 2	0.926
4782/ 4782/ 2	0.774
4782/ 4783/ 2	2.581
4783/ 4783/ 2	-0.504
4783/ 4784/ 2	1.303
4784/ 4784/ 2	1.168
4784/ 4785/ 2	2.975

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Tensiones axiles en vías - Caso: 4 (Arranque +vo en vía dcha - vano 5)

- Caso: 4 (Arranque +vo en vía dcha -

Barra/Nudo/Caso	Fx/Sx (MPa)
4201/ 4201/ 4	-0.554
4201/ 4202/ 4	-0.554
4202/ 4202/ 4	-0.555
4202/ 4203/ 4	-0.555
4203/ 4203/ 4	-0.581
4203/ 4204/ 4	-0.581
4204/ 4204/ 4	-0.582
4204/ 4205/ 4	-0.582
4205/ 4205/ 4	-0.600
4205/ 4206/ 4	-0.600
4206/ 4206/ 4	-0.601
4206/ 4207/ 4	-0.601
4207/ 4207/ 4	-0.612
4207/ 4208/ 4	-0.612
4208/ 4208/ 4	-0.613
4208/ 4209/ 4	-0.613
4209/ 4209/ 4	-0.620
4209/ 4210/ 4	-0.620
4210/ 4210/ 4	-0.621
4210/ 4211/ 4	-0.621
4211/ 4211/ 4	-0.626
4211/ 4212/ 4	-0.626
4212/ 4212/ 4	-0.627
4212/ 4213/ 4	-0.627
4213/ 4213/ 4	-0.631
4213/ 4214/ 4	-0.631
4214/ 4214/ 4	-0.631
4214/ 4215/ 4	-0.631
4215/ 4215/ 4	-0.633
4215/ 4216/ 4	-0.633
4216/ 4216/ 4	-0.633
4216/ 4217/ 4	-0.633
4217/ 4217/ 4	-0.634
4217/ 4218/ 4	-0.634
4218/ 4218/ 4	-0.634
4218/ 4219/ 4	-0.634
4219/ 4219/ 4	-0.633
4219/ 4220/ 4	-0.633
4220/ 4220/ 4	-0.633
4220/ 4221/ 4	-0.633
4221/ 4221/ 4	-0.630
4221/ 4222/ 4	-0.630
4222/ 4222/ 4	-0.630
4222/ 4223/ 4	-0.630
4223/ 4223/ 4	-0.625
4223/ 4224/ 4	-0.625
4224/ 4224/ 4	-0.625
4224/ 4225/ 4	-0.625
4225/ 4225/ 4	-0.617
4225/ 4226/ 4	-0.617
4226/ 4226/ 4	-0.617
4226/ 4227/ 4	-0.617
4227/ 4227/ 4	-0.606
4227/ 4228/ 4	-0.606

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Barra/Nudo/Caso	Fx/Sx (MPa)
4228/ 4228/ 4	-0.606
4228/ 4229/ 4	-0.606
4229/ 4229/ 4	-0.597
4229/ 4230/ 4	-0.597
4230/ 4230/ 4	-0.597
4230/ 4231/ 4	-0.597
4231/ 4231/ 4	-0.597
4231/ 4232/ 4	-0.597
4232/ 4232/ 4	-0.597
4232/ 4233/ 4	-0.597
4233/ 4233/ 4	-0.606
4233/ 4234/ 4	-0.606
4234/ 4234/ 4	-0.607
4234/ 4235/ 4	-0.607
4235/ 4235/ 4	-0.618
4235/ 4236/ 4	-0.618
4236/ 4236/ 4	-0.619
4236/ 4237/ 4	-0.619
4237/ 4237/ 4	-0.627
4237/ 4238/ 4	-0.627
4238/ 4238/ 4	-0.628
4238/ 4239/ 4	-0.628
4239/ 4239/ 4	-0.634
4239/ 4240/ 4	-0.634
4240/ 4240/ 4	-0.634
4240/ 4241/ 4	-0.634
4241/ 4241/ 4	-0.639
4241/ 4242/ 4	-0.639
4242/ 4242/ 4	-0.639
4242/ 4243/ 4	-0.639
4243/ 4243/ 4	-0.642
4243/ 4244/ 4	-0.642
4244/ 4244/ 4	-0.642
4244/ 4245/ 4	-0.642
4245/ 4245/ 4	-0.644
4245/ 4246/ 4	-0.644
4246/ 4246/ 4	-0.644
4246/ 4247/ 4	-0.644
4247/ 4247/ 4	-0.646
4247/ 4248/ 4	-0.646
4248/ 4248/ 4	-0.646
4248/ 4249/ 4	-0.646
4249/ 4249/ 4	-0.646
4249/ 4250/ 4	-0.646
4250/ 4250/ 4	-0.646
4250/ 4251/ 4	-0.646
4251/ 4251/ 4	-0.646
4251/ 4252/ 4	-0.646
4252/ 4252/ 4	-0.646
4252/ 4253/ 4	-0.646
4253/ 4253/ 4	-0.646
4253/ 4254/ 4	-0.646
4254/ 4254/ 4	-0.646
4254/ 4255/ 4	-0.646
4255/ 4255/ 4	-0.644
4255/ 4256/ 4	-0.644
4256/ 4256/ 4	-0.644

Barra/Nudo/Caso	Fx/Sx (MPa)
4256/ 4257/ 4	-0.644
4257/ 4257/ 4	-0.642
4257/ 4258/ 4	-0.642
4258/ 4258/ 4	-0.642
4258/ 4259/ 4	-0.642
4259/ 4259/ 4	-0.639
4259/ 4260/ 4	-0.639
4260/ 4260/ 4	-0.639
4260/ 4261/ 4	-0.639
4261/ 4261/ 4	-0.634
4261/ 4262/ 4	-0.634
4262/ 4262/ 4	-0.634
4262/ 4263/ 4	-0.634
4263/ 4263/ 4	-0.628
4263/ 4264/ 4	-0.628
4264/ 4264/ 4	-0.627
4264/ 4265/ 4	-0.627
4265/ 4265/ 4	-0.619
4265/ 4266/ 4	-0.619
4266/ 4266/ 4	-0.618
4266/ 4267/ 4	-0.618
4267/ 4267/ 4	-0.607
4267/ 4268/ 4	-0.607
4268/ 4268/ 4	-0.607
4268/ 4269/ 4	-0.607
4269/ 4269/ 4	-0.598
4269/ 4270/ 4	-0.598
4270/ 4270/ 4	-0.598
4270/ 4271/ 4	-0.598
4271/ 4271/ 4	-0.598
4271/ 4272/ 4	-0.598
4272/ 4272/ 4	-0.598
4272/ 4273/ 4	-0.598
4273/ 4273/ 4	-0.607
4273/ 4274/ 4	-0.607
4274/ 4274/ 4	-0.607
4274/ 4275/ 4	-0.607
4275/ 4275/ 4	-0.619
4275/ 4276/ 4	-0.619
4276/ 4276/ 4	-0.619
4276/ 4277/ 4	-0.619
4277/ 4277/ 4	-0.628
4277/ 4278/ 4	-0.628
4278/ 4278/ 4	-0.628
4278/ 4279/ 4	-0.628
4279/ 4279/ 4	-0.634
4279/ 4280/ 4	-0.634
4280/ 4280/ 4	-0.634
4280/ 4281/ 4	-0.634
4281/ 4281/ 4	-0.639
4281/ 4282/ 4	-0.639
4282/ 4282/ 4	-0.639
4282/ 4283/ 4	-0.639
4283/ 4283/ 4	-0.642
4283/ 4284/ 4	-0.642
4284/ 4284/ 4	-0.642
4284/ 4285/ 4	-0.642

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Barra/Nudo/Caso	Fx/Sx (MPa)
4285/ 4285/ 4	-0.645
4285/ 4286/ 4	-0.645
4286/ 4286/ 4	-0.645
4286/ 4287/ 4	-0.645
4287/ 4287/ 4	-0.646
4287/ 4288/ 4	-0.646
4288/ 4288/ 4	-0.646
4288/ 4289/ 4	-0.646
4289/ 4289/ 4	-0.647
4289/ 4290/ 4	-0.647
4290/ 4290/ 4	-0.647
4290/ 4291/ 4	-0.647
4291/ 4291/ 4	-0.647
4291/ 4292/ 4	-0.647
4292/ 4292/ 4	-0.647
4292/ 4293/ 4	-0.647
4293/ 4293/ 4	-0.647
4293/ 4294/ 4	-0.647
4294/ 4294/ 4	-0.647
4294/ 4295/ 4	-0.647
4295/ 4295/ 4	-0.646
4295/ 4296/ 4	-0.646
4296/ 4296/ 4	-0.646
4296/ 4297/ 4	-0.646
4297/ 4297/ 4	-0.644
4297/ 4298/ 4	-0.644
4298/ 4298/ 4	-0.644
4298/ 4299/ 4	-0.644
4299/ 4299/ 4	-0.641
4299/ 4300/ 4	-0.641
4300/ 4300/ 4	-0.641
4300/ 4301/ 4	-0.641
4301/ 4301/ 4	-0.637
4301/ 4302/ 4	-0.637
4302/ 4302/ 4	-0.637
4302/ 4303/ 4	-0.637
4303/ 4303/ 4	-0.631
4303/ 4304/ 4	-0.631
4304/ 4304/ 4	-0.630
4304/ 4305/ 4	-0.630
4305/ 4305/ 4	-0.622
4305/ 4306/ 4	-0.622
4306/ 4306/ 4	-0.622
4306/ 4307/ 4	-0.622
4307/ 4307/ 4	-0.611
4307/ 4308/ 4	-0.611
4308/ 4308/ 4	-0.611
4308/ 4309/ 4	-0.611
4309/ 4309/ 4	-0.604
4309/ 4310/ 4	-0.604
4310/ 4310/ 4	-0.604
4310/ 4311/ 4	-0.604
4311/ 4311/ 4	-0.608
4311/ 4312/ 4	-0.608
4312/ 4312/ 4	-0.608
4312/ 4313/ 4	-0.608
4313/ 4313/ 4	-0.622

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Barra/Nudo/Caso	Fx/Sx (MPa)
4313/ 4314/ 4	-0.622
4314/ 4314/ 4	-0.622
4314/ 4315/ 4	-0.622
4315/ 4315/ 4	-0.639
4315/ 4316/ 4	-0.639
4316/ 4316/ 4	-0.639
4316/ 4317/ 4	-0.639
4317/ 4317/ 4	-0.654
4317/ 4318/ 4	-0.654
4318/ 4318/ 4	-0.654
4318/ 4319/ 4	-0.654
4319/ 4319/ 4	-0.668
4319/ 4320/ 4	-0.668
4320/ 4320/ 4	-0.668
4320/ 4321/ 4	-0.668
4321/ 4321/ 4	-0.683
4321/ 4322/ 4	-0.683
4322/ 4322/ 4	-0.684
4322/ 4323/ 4	-0.684
4323/ 4323/ 4	-0.701
4323/ 4324/ 4	-0.701
4324/ 4324/ 4	-0.701
4324/ 4325/ 4	-0.701
4325/ 4325/ 4	-0.722
4325/ 4326/ 4	-0.722
4326/ 4326/ 4	-0.723
4326/ 4327/ 4	-0.723
4327/ 4327/ 4	-0.750
4327/ 4328/ 4	-0.750
4328/ 4328/ 4	-0.751
4328/ 4329/ 4	-0.751
4329/ 4329/ 4	-0.787
4329/ 4330/ 4	-0.787
4330/ 4330/ 4	-0.788
4330/ 4331/ 4	-0.788
4331/ 4331/ 4	-0.836
4331/ 4332/ 4	-0.836
4332/ 4332/ 4	-0.838
4332/ 4333/ 4	-0.838
4333/ 4333/ 4	-0.901
4333/ 4334/ 4	-0.901
4334/ 4334/ 4	-0.905
4334/ 4335/ 4	-0.905
4335/ 4335/ 4	-0.991
4335/ 4336/ 4	-0.991
4336/ 4336/ 4	-0.995
4336/ 4337/ 4	-0.995
4337/ 4337/ 4	-1.112
4337/ 4338/ 4	-1.112
4338/ 4338/ 4	-1.118
4338/ 4339/ 4	-1.118
4339/ 4339/ 4	-1.277
4339/ 4340/ 4	-1.277
4340/ 4340/ 4	-1.285
4340/ 4341/ 4	-1.285
4341/ 4341/ 4	-1.500
4341/ 4342/ 4	-1.500

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Barra/Nudo/Caso	Fx/Sx (MPa)
4342/ 4342/ 4	-1.512
4342/ 4343/ 4	-1.512
4343/ 4343/ 4	-1.806
4343/ 4344/ 4	-1.806
4344/ 4344/ 4	-1.821
4344/ 4345/ 4	-1.821
4345/ 4345/ 4	-2.224
4345/ 4346/ 4	-2.224
4346/ 4346/ 4	-2.247
4346/ 4347/ 4	-2.247
4347/ 4347/ 4	-2.807
4347/ 4348/ 4	-2.807
4348/ 4348/ 4	-2.837
4348/ 4349/ 4	-2.837
4349/ 4349/ 4	-3.619
4349/ 4350/ 4	-3.619
4350/ 4350/ 4	-3.660
4350/ 4351/ 4	-3.660
4351/ 4351/ 4	-4.734
4351/ 4352/ 4	-4.734
4352/ 4352/ 4	-4.795
4352/ 4353/ 4	-4.795
4353/ 4353/ 4	-6.256
4353/ 4354/ 4	-6.256
4354/ 4354/ 4	-6.331
4354/ 4355/ 4	-6.331
4355/ 4355/ 4	-8.314
4355/ 4356/ 4	-8.314
4356/ 4356/ 4	-8.417
4356/ 4357/ 4	-8.417
4357/ 4357/ 4	-11.116
4357/ 4358/ 4	-11.116
4358/ 4358/ 4	-11.256
4358/ 4359/ 4	-10.996
4359/ 4359/ 4	-14.678
4359/ 4360/ 4	-11.696
4360/ 4360/ 4	-11.684
4360/ 4361/ 4	-8.902
4361/ 4361/ 4	-13.379
4361/ 4362/ 4	-10.397
4362/ 4362/ 4	-10.630
4362/ 4363/ 4	-7.648
4363/ 4363/ 4	-12.120
4363/ 4364/ 4	-9.138
4364/ 4364/ 4	-9.411
4364/ 4365/ 4	-6.429
4365/ 4365/ 4	-10.907
4365/ 4366/ 4	-7.925
4366/ 4366/ 4	-8.233
4366/ 4367/ 4	-5.252
4367/ 4367/ 4	-9.728
4367/ 4368/ 4	-6.747
4368/ 4368/ 4	-7.086
4368/ 4369/ 4	-4.104
4369/ 4369/ 4	-8.580
4369/ 4370/ 4	-5.598
4370/ 4370/ 4	-5.962

Barra/Nudo/Caso	Fx/Sx (MPa)
4370/ 4371/ 4	-2.981
4371/ 4371/ 4	-7.456
4371/ 4372/ 4	-4.474
4372/ 4372/ 4	-4.859
4372/ 4373/ 4	-1.878
4373/ 4373/ 4	-6.353
4373/ 4374/ 4	-3.371
4374/ 4374/ 4	-3.773
4374/ 4375/ 4	-0.791
4375/ 4375/ 4	-5.268
4375/ 4376/ 4	-2.286
4376/ 4376/ 4	-2.700
4376/ 4377/ 4	0.282
4377/ 4377/ 4	-4.197
4377/ 4378/ 4	-1.215
4378/ 4378/ 4	-1.637
4378/ 4379/ 4	1.345
4379/ 4379/ 4	-3.136
4379/ 4380/ 4	-0.154
4380/ 4380/ 4	-0.579
4380/ 4381/ 4	2.403
4381/ 4381/ 4	-2.081
4381/ 4382/ 4	0.901
4382/ 4382/ 4	0.439
4382/ 4383/ 4	3.421
4383/ 4383/ 4	-1.064
4383/ 4384/ 4	1.918
4384/ 4384/ 4	1.503
4384/ 4385/ 4	4.485
4601/ 4601/ 4	-0.554
4601/ 4602/ 4	-0.554
4602/ 4602/ 4	-0.556
4602/ 4603/ 4	-0.556
4603/ 4603/ 4	-0.588
4603/ 4604/ 4	-0.588
4604/ 4604/ 4	-0.590
4604/ 4605/ 4	-0.590
4605/ 4605/ 4	-0.609
4605/ 4606/ 4	-0.609
4606/ 4606/ 4	-0.610
4606/ 4607/ 4	-0.610
4607/ 4607/ 4	-0.620
4607/ 4608/ 4	-0.620
4608/ 4608/ 4	-0.620
4608/ 4609/ 4	-0.620
4609/ 4609/ 4	-0.626
4609/ 4610/ 4	-0.626
4610/ 4610/ 4	-0.626
4610/ 4611/ 4	-0.626
4611/ 4611/ 4	-0.630
4611/ 4612/ 4	-0.630
4612/ 4612/ 4	-0.631
4612/ 4613/ 4	-0.631
4613/ 4613/ 4	-0.633
4613/ 4614/ 4	-0.633
4614/ 4614/ 4	-0.634
4614/ 4615/ 4	-0.634

Barra/Nudo/Caso	Fx/Sx (MPa)
4615/ 4615/ 4	-0.635
4615/ 4616/ 4	-0.635
4616/ 4616/ 4	-0.635
4616/ 4617/ 4	-0.635
4617/ 4617/ 4	-0.635
4617/ 4618/ 4	-0.635
4618/ 4618/ 4	-0.635
4618/ 4619/ 4	-0.635
4619/ 4619/ 4	-0.634
4619/ 4620/ 4	-0.634
4620/ 4620/ 4	-0.634
4620/ 4621/ 4	-0.634
4621/ 4621/ 4	-0.630
4621/ 4622/ 4	-0.630
4622/ 4622/ 4	-0.630
4622/ 4623/ 4	-0.630
4623/ 4623/ 4	-0.625
4623/ 4624/ 4	-0.625
4624/ 4624/ 4	-0.625
4624/ 4625/ 4	-0.625
4625/ 4625/ 4	-0.617
4625/ 4626/ 4	-0.617
4626/ 4626/ 4	-0.617
4626/ 4627/ 4	-0.617
4627/ 4627/ 4	-0.606
4627/ 4628/ 4	-0.606
4628/ 4628/ 4	-0.605
4628/ 4629/ 4	-0.605
4629/ 4629/ 4	-0.597
4629/ 4630/ 4	-0.597
4630/ 4630/ 4	-0.597
4630/ 4631/ 4	-0.597
4631/ 4631/ 4	-0.597
4631/ 4632/ 4	-0.597
4632/ 4632/ 4	-0.598
4632/ 4633/ 4	-0.598
4633/ 4633/ 4	-0.606
4633/ 4634/ 4	-0.606
4634/ 4634/ 4	-0.607
4634/ 4635/ 4	-0.607
4635/ 4635/ 4	-0.618
4635/ 4636/ 4	-0.618
4636/ 4636/ 4	-0.619
4636/ 4637/ 4	-0.619
4637/ 4637/ 4	-0.627
4637/ 4638/ 4	-0.627
4638/ 4638/ 4	-0.628
4638/ 4639/ 4	-0.628
4639/ 4639/ 4	-0.634
4639/ 4640/ 4	-0.634
4640/ 4640/ 4	-0.634
4640/ 4641/ 4	-0.634
4641/ 4641/ 4	-0.639
4641/ 4642/ 4	-0.639
4642/ 4642/ 4	-0.639
4642/ 4643/ 4	-0.639
4643/ 4643/ 4	-0.642

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Barra/Nudo/Caso	Fx/Sx (MPa)
4643/ 4644/ 4	-0.642
4644/ 4644/ 4	-0.642
4644/ 4645/ 4	-0.642
4645/ 4645/ 4	-0.644
4645/ 4646/ 4	-0.644
4646/ 4646/ 4	-0.644
4646/ 4647/ 4	-0.644
4647/ 4647/ 4	-0.646
4647/ 4648/ 4	-0.646
4648/ 4648/ 4	-0.646
4648/ 4649/ 4	-0.646
4649/ 4649/ 4	-0.646
4649/ 4650/ 4	-0.646
4650/ 4650/ 4	-0.646
4650/ 4651/ 4	-0.646
4651/ 4651/ 4	-0.646
4651/ 4652/ 4	-0.646
4652/ 4652/ 4	-0.646
4652/ 4653/ 4	-0.646
4653/ 4653/ 4	-0.646
4653/ 4654/ 4	-0.646
4654/ 4654/ 4	-0.646
4654/ 4655/ 4	-0.646
4655/ 4655/ 4	-0.644
4655/ 4656/ 4	-0.644
4656/ 4656/ 4	-0.644
4656/ 4657/ 4	-0.644
4657/ 4657/ 4	-0.642
4657/ 4658/ 4	-0.642
4658/ 4658/ 4	-0.642
4658/ 4659/ 4	-0.642
4659/ 4659/ 4	-0.639
4659/ 4660/ 4	-0.639
4660/ 4660/ 4	-0.638
4660/ 4661/ 4	-0.638
4661/ 4661/ 4	-0.634
4661/ 4662/ 4	-0.634
4662/ 4662/ 4	-0.634
4662/ 4663/ 4	-0.634
4663/ 4663/ 4	-0.627
4663/ 4664/ 4	-0.627
4664/ 4664/ 4	-0.627
4664/ 4665/ 4	-0.627
4665/ 4665/ 4	-0.619
4665/ 4666/ 4	-0.619
4666/ 4666/ 4	-0.618
4666/ 4667/ 4	-0.618
4667/ 4667/ 4	-0.606
4667/ 4668/ 4	-0.606
4668/ 4668/ 4	-0.606
4668/ 4669/ 4	-0.606
4669/ 4669/ 4	-0.597
4669/ 4670/ 4	-0.597
4670/ 4670/ 4	-0.597
4670/ 4671/ 4	-0.597
4671/ 4671/ 4	-0.597
4671/ 4672/ 4	-0.597

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Barra/Nudo/Caso	Fx/Sx (MPa)
4672/ 4672/ 4	-0.597
4672/ 4673/ 4	-0.597
4673/ 4673/ 4	-0.606
4673/ 4674/ 4	-0.606
4674/ 4674/ 4	-0.607
4674/ 4675/ 4	-0.607
4675/ 4675/ 4	-0.618
4675/ 4676/ 4	-0.618
4676/ 4676/ 4	-0.619
4676/ 4677/ 4	-0.619
4677/ 4677/ 4	-0.627
4677/ 4678/ 4	-0.627
4678/ 4678/ 4	-0.627
4678/ 4679/ 4	-0.627
4679/ 4679/ 4	-0.633
4679/ 4680/ 4	-0.633
4680/ 4680/ 4	-0.634
4680/ 4681/ 4	-0.634
4681/ 4681/ 4	-0.638
4681/ 4682/ 4	-0.638
4682/ 4682/ 4	-0.638
4682/ 4683/ 4	-0.638
4683/ 4683/ 4	-0.641
4683/ 4684/ 4	-0.641
4684/ 4684/ 4	-0.641
4684/ 4685/ 4	-0.641
4685/ 4685/ 4	-0.643
4685/ 4686/ 4	-0.643
4686/ 4686/ 4	-0.643
4686/ 4687/ 4	-0.643
4687/ 4687/ 4	-0.645
4687/ 4688/ 4	-0.645
4688/ 4688/ 4	-0.645
4688/ 4689/ 4	-0.645
4689/ 4689/ 4	-0.645
4689/ 4690/ 4	-0.645
4690/ 4690/ 4	-0.645
4690/ 4691/ 4	-0.645
4691/ 4691/ 4	-0.645
4691/ 4692/ 4	-0.645
4692/ 4692/ 4	-0.645
4692/ 4693/ 4	-0.645
4693/ 4693/ 4	-0.644
4693/ 4694/ 4	-0.644
4694/ 4694/ 4	-0.644
4694/ 4695/ 4	-0.644
4695/ 4695/ 4	-0.643
4695/ 4696/ 4	-0.643
4696/ 4696/ 4	-0.643
4696/ 4697/ 4	-0.643
4697/ 4697/ 4	-0.641
4697/ 4698/ 4	-0.641
4698/ 4698/ 4	-0.641
4698/ 4699/ 4	-0.641
4699/ 4699/ 4	-0.637
4699/ 4700/ 4	-0.637
4700/ 4700/ 4	-0.637

Barra/Nudo/Caso	Fx/Sx (MPa)
4700/ 4701/ 4	-0.637
4701/ 4701/ 4	-0.632
4701/ 4702/ 4	-0.632
4702/ 4702/ 4	-0.632
4702/ 4703/ 4	-0.632
4703/ 4703/ 4	-0.625
4703/ 4704/ 4	-0.625
4704/ 4704/ 4	-0.625
4704/ 4705/ 4	-0.625
4705/ 4705/ 4	-0.615
4705/ 4706/ 4	-0.615
4706/ 4706/ 4	-0.615
4706/ 4707/ 4	-0.615
4707/ 4707/ 4	-0.601
4707/ 4708/ 4	-0.601
4708/ 4708/ 4	-0.601
4708/ 4709/ 4	-0.601
4709/ 4709/ 4	-0.591
4709/ 4710/ 4	-0.591
4710/ 4710/ 4	-0.591
4710/ 4711/ 4	-0.591
4711/ 4711/ 4	-0.592
4711/ 4712/ 4	-0.592
4712/ 4712/ 4	-0.592
4712/ 4713/ 4	-0.592
4713/ 4713/ 4	-0.602
4713/ 4714/ 4	-0.602
4714/ 4714/ 4	-0.602
4714/ 4715/ 4	-0.602
4715/ 4715/ 4	-0.614
4715/ 4716/ 4	-0.614
4716/ 4716/ 4	-0.615
4716/ 4717/ 4	-0.615
4717/ 4717/ 4	-0.623
4717/ 4718/ 4	-0.623
4718/ 4718/ 4	-0.623
4718/ 4719/ 4	-0.623
4719/ 4719/ 4	-0.628
4719/ 4720/ 4	-0.628
4720/ 4720/ 4	-0.628
4720/ 4721/ 4	-0.628
4721/ 4721/ 4	-0.632
4721/ 4722/ 4	-0.632
4722/ 4722/ 4	-0.632
4722/ 4723/ 4	-0.632
4723/ 4723/ 4	-0.634
4723/ 4724/ 4	-0.634
4724/ 4724/ 4	-0.634
4724/ 4725/ 4	-0.634
4725/ 4725/ 4	-0.636
4725/ 4726/ 4	-0.636
4726/ 4726/ 4	-0.636
4726/ 4727/ 4	-0.636
4727/ 4727/ 4	-0.636
4727/ 4728/ 4	-0.636
4728/ 4728/ 4	-0.636
4728/ 4729/ 4	-0.636

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Barra/Nudo/Caso	Fx/Sx (MPa)
4729/ 4729/ 4	-0.636
4729/ 4730/ 4	-0.636
4730/ 4730/ 4	-0.636
4730/ 4731/ 4	-0.636
4731/ 4731/ 4	-0.636
4731/ 4732/ 4	-0.636
4732/ 4732/ 4	-0.636
4732/ 4733/ 4	-0.636
4733/ 4733/ 4	-0.635
4733/ 4734/ 4	-0.635
4734/ 4734/ 4	-0.635
4734/ 4735/ 4	-0.635
4735/ 4735/ 4	-0.634
4735/ 4736/ 4	-0.634
4736/ 4736/ 4	-0.634
4736/ 4737/ 4	-0.634
4737/ 4737/ 4	-0.632
4737/ 4738/ 4	-0.632
4738/ 4738/ 4	-0.631
4738/ 4739/ 4	-0.631
4739/ 4739/ 4	-0.628
4739/ 4740/ 4	-0.628
4740/ 4740/ 4	-0.628
4740/ 4741/ 4	-0.628
4741/ 4741/ 4	-0.622
4741/ 4742/ 4	-0.622
4742/ 4742/ 4	-0.621
4742/ 4743/ 4	-0.621
4743/ 4743/ 4	-0.612
4743/ 4744/ 4	-0.612
4744/ 4744/ 4	-0.611
4744/ 4745/ 4	-0.611
4745/ 4745/ 4	-0.598
4745/ 4746/ 4	-0.598
4746/ 4746/ 4	-0.597
4746/ 4747/ 4	-0.597
4747/ 4747/ 4	-0.589
4747/ 4748/ 4	-0.589
4748/ 4748/ 4	-0.589
4748/ 4749/ 4	-0.589
4749/ 4749/ 4	-0.595
4749/ 4750/ 4	-0.595
4750/ 4750/ 4	-0.596
4750/ 4751/ 4	-0.596
4751/ 4751/ 4	-0.612
4751/ 4752/ 4	-0.612
4752/ 4752/ 4	-0.613
4752/ 4753/ 4	-0.613
4753/ 4753/ 4	-0.628
4753/ 4754/ 4	-0.628
4754/ 4754/ 4	-0.628
4754/ 4755/ 4	-0.628
4755/ 4755/ 4	-0.633
4755/ 4756/ 4	-0.633
4756/ 4756/ 4	-0.633
4756/ 4757/ 4	-0.633
4757/ 4757/ 4	-0.625

5858

Barra/Nudo/Caso	Fx/Sx (MPa)
4757/ 4758/ 4	-0.625
4758/ 4758/ 4	-0.624
4758/ 4759/ 4	-0.624
4759/ 4759/ 4	-0.594
4759/ 4760/ 4	-0.594
4760/ 4760/ 4	-0.593
4760/ 4761/ 4	-0.593
4761/ 4761/ 4	-0.544
4761/ 4762/ 4	-0.544
4762/ 4762/ 4	-0.541
4762/ 4763/ 4	-0.541
4763/ 4763/ 4	-0.490
4763/ 4764/ 4	-0.490
4764/ 4764/ 4	-0.488
4764/ 4765/ 4	-0.488
4765/ 4765/ 4	-0.440
4765/ 4766/ 4	-0.440
4766/ 4766/ 4	-0.438
4766/ 4767/ 4	-0.438
4767/ 4767/ 4	-0.394
4767/ 4768/ 4	-0.394
4768/ 4768/ 4	-0.392
4768/ 4769/ 4	-0.392
4769/ 4769/ 4	-0.351
4769/ 4770/ 4	-0.351
4770/ 4770/ 4	-0.350
4770/ 4771/ 4	-0.350
4771/ 4771/ 4	-0.312
4771/ 4772/ 4	-0.312
4772/ 4772/ 4	-0.310
4772/ 4773/ 4	-0.310
4773/ 4773/ 4	-0.276
4773/ 4774/ 4	-0.276
4774/ 4774/ 4	-0.274
4774/ 4775/ 4	-0.274
4775/ 4775/ 4	-0.245
4775/ 4776/ 4	-0.245
4776/ 4776/ 4	-0.243
4776/ 4777/ 4	-0.243
4777/ 4777/ 4	-0.220
4777/ 4778/ 4	-0.220
4778/ 4778/ 4	-0.219
4778/ 4779/ 4	-0.219
4779/ 4779/ 4	-0.202
4779/ 4780/ 4	-0.202
4780/ 4780/ 4	-0.201
4780/ 4781/ 4	-0.201
4781/ 4781/ 4	-0.182
4781/ 4782/ 4	-0.182
4782/ 4782/ 4	-0.180
4782/ 4783/ 4	-0.180
4783/ 4783/ 4	-0.133
4783/ 4784/ 4	-0.133
4784/ 4784/ 4	-0.129
4784/ 4785/ 4	-0.129

7.6.6. Modelo de Temperatura: Cargas aplicadas, Tensiones Axiles y Desplazamientos

Cargas - Caso: 2 (Variación de Temperatura)

	Caso	Tipo de carga	Lista	Valores de carga
	2	dilatación	1A184 801A984	Dilatación=0.00038(m) relativa
	2	dilatación	4201A4384 4601A4784 6201A6374 6601A6774	Dilatación=0.00058(m) relativa

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Tensiones - Casos: Temperatura: Extremos globales

- Casos: 1 2

	Fx/Sx (MPa)
MAX	74.340
Barra	4201
Nudo	4201
Caso	2
MIN	-0.536
Barra	4746
Nudo	4746
Caso	1

5860

Desplazamientos - Caso: 2 (Variación de Temperatura)

- Caso: 2 (Variación de Temperatura)

Nudo/Caso	UX (mm)	UY (mm)
4385/ 2	84.107	-0.004
4785/ 2	84.106	0.011

Tensiones axiles en las vías - Caso: 2 (Variación de Temperatura):

- Caso: 2 (Variación de Temperatura)

Barra/Nudo/Caso	Fx/Sx (MPa)
4201/ 4201/ 2	74.340
4201/ 4202/ 2	74.340
4202/ 4202/ 2	73.582
4202/ 4203/ 2	73.582
4203/ 4203/ 2	70.595
4203/ 4204/ 2	70.595
4204/ 4204/ 2	69.914
4204/ 4205/ 2	69.914
4205/ 4205/ 2	66.927
4205/ 4206/ 2	66.927
4206/ 4206/ 2	66.419
4206/ 4207/ 2	66.419
4207/ 4207/ 2	63.432
4207/ 4208/ 2	63.432
4208/ 4208/ 2	63.025
4208/ 4209/ 2	63.025
4209/ 4209/ 2	60.038
4209/ 4210/ 2	60.038
4210/ 4210/ 2	59.717
4210/ 4211/ 2	59.717
4211/ 4211/ 2	56.754
4211/ 4212/ 2	56.754
4212/ 4212/ 2	56.505
4212/ 4213/ 2	56.505
4213/ 4213/ 2	53.539
4213/ 4214/ 2	53.539
4214/ 4214/ 2	53.348
4214/ 4215/ 2	53.348
4215/ 4215/ 2	50.758
4215/ 4216/ 2	50.758
4216/ 4216/ 2	50.611
4216/ 4217/ 2	50.611
4217/ 4217/ 2	48.610
4217/ 4218/ 2	48.610
4218/ 4218/ 2	48.496
4218/ 4219/ 2	48.496
4219/ 4219/ 2	46.950
4219/ 4220/ 2	46.950
4220/ 4220/ 2	46.862
4220/ 4221/ 2	46.862
4221/ 4221/ 2	45.669
4221/ 4222/ 2	45.669
4222/ 4222/ 2	45.601
4222/ 4223/ 2	45.601
4223/ 4223/ 2	44.682
4223/ 4224/ 2	44.682
4224/ 4224/ 2	44.629
4224/ 4225/ 2	44.629
4225/ 4225/ 2	43.923
4225/ 4226/ 2	43.923
4226/ 4226/ 2	43.883
4226/ 4227/ 2	43.883
4227/ 4227/ 2	43.342
4227/ 4228/ 2	43.342

Barra/Nudo/Caso	Fx/Sx (MPa)
4228/ 4228/ 2	43.308
4228/ 4229/ 2	43.308
4229/ 4229/ 2	42.890
4229/ 4230/ 2	42.890
4230/ 4230/ 2	42.866
4230/ 4231/ 2	42.866
4231/ 4231/ 2	42.539
4231/ 4232/ 2	42.539
4232/ 4232/ 2	42.520
4232/ 4233/ 2	42.520
4233/ 4233/ 2	42.260
4233/ 4234/ 2	42.260
4234/ 4234/ 2	42.244
4234/ 4235/ 2	42.244
4235/ 4235/ 2	42.039
4235/ 4236/ 2	42.039
4236/ 4236/ 2	42.027
4236/ 4237/ 2	42.027
4237/ 4237/ 2	41.869
4237/ 4238/ 2	41.869
4238/ 4238/ 2	41.860
4238/ 4239/ 2	41.860
4239/ 4239/ 2	41.738
4239/ 4240/ 2	41.738
4240/ 4240/ 2	41.731
4240/ 4241/ 2	41.731
4241/ 4241/ 2	41.637
4241/ 4242/ 2	41.637
4242/ 4242/ 2	41.632
4242/ 4243/ 2	41.632
4243/ 4243/ 2	41.560
4243/ 4244/ 2	41.560
4244/ 4244/ 2	41.555
4244/ 4245/ 2	41.555
4245/ 4245/ 2	41.500
4245/ 4246/ 2	41.500
4246/ 4246/ 2	41.497
4246/ 4247/ 2	41.497
4247/ 4247/ 2	41.454
4247/ 4248/ 2	41.454
4248/ 4248/ 2	41.452
4248/ 4249/ 2	41.452
4249/ 4249/ 2	41.420
4249/ 4250/ 2	41.420
4250/ 4250/ 2	41.418
4250/ 4251/ 2	41.418
4251/ 4251/ 2	41.393
4251/ 4252/ 2	41.393
4252/ 4252/ 2	41.392
4252/ 4253/ 2	41.392
4253/ 4253/ 2	41.374
4253/ 4254/ 2	41.374
4254/ 4254/ 2	41.373
4254/ 4255/ 2	41.373
4255/ 4255/ 2	41.360
4255/ 4256/ 2	41.360
4256/ 4256/ 2	41.359

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Barra/Nudo/Caso	Fx/Sx (MPa)
4256/ 4257/ 2	41.359
4257/ 4257/ 2	41.350
4257/ 4258/ 2	41.350
4258/ 4258/ 2	41.350
4258/ 4259/ 2	41.350
4259/ 4259/ 2	41.344
4259/ 4260/ 2	41.344
4260/ 4260/ 2	41.344
4260/ 4261/ 2	41.344
4261/ 4261/ 2	41.341
4261/ 4262/ 2	41.341
4262/ 4262/ 2	41.341
4262/ 4263/ 2	41.341
4263/ 4263/ 2	41.342
4263/ 4264/ 2	41.342
4264/ 4264/ 2	41.342
4264/ 4265/ 2	41.342
4265/ 4265/ 2	41.345
4265/ 4266/ 2	41.345
4266/ 4266/ 2	41.345
4266/ 4267/ 2	41.345
4267/ 4267/ 2	41.352
4267/ 4268/ 2	41.352
4268/ 4268/ 2	41.352
4268/ 4269/ 2	41.352
4269/ 4269/ 2	41.357
4269/ 4270/ 2	41.357
4270/ 4270/ 2	41.357
4270/ 4271/ 2	41.357
4271/ 4271/ 2	41.355
4271/ 4272/ 2	41.355
4272/ 4272/ 2	41.354
4272/ 4273/ 2	41.354
4273/ 4273/ 2	41.346
4273/ 4274/ 2	41.346
4274/ 4274/ 2	41.346
4274/ 4275/ 2	41.346
4275/ 4275/ 2	41.335
4275/ 4276/ 2	41.335
4276/ 4276/ 2	41.335
4276/ 4277/ 2	41.335
4277/ 4277/ 2	41.327
4277/ 4278/ 2	41.327
4278/ 4278/ 2	41.326
4278/ 4279/ 2	41.326
4279/ 4279/ 2	41.320
4279/ 4280/ 2	41.320
4280/ 4280/ 2	41.320
4280/ 4281/ 2	41.320
4281/ 4281/ 2	41.315
4281/ 4282/ 2	41.315
4282/ 4282/ 2	41.315
4282/ 4283/ 2	41.315
4283/ 4283/ 2	41.312
4283/ 4284/ 2	41.312
4284/ 4284/ 2	41.312
4284/ 4285/ 2	41.312

5862

Barra/Nudo/Caso	Fx/Sx (MPa)
4285/ 4285/ 2	41.309
4285/ 4286/ 2	41.309
4286/ 4286/ 2	41.309
4286/ 4287/ 2	41.309
4287/ 4287/ 2	41.307
4287/ 4288/ 2	41.307
4288/ 4288/ 2	41.307
4288/ 4289/ 2	41.307
4289/ 4289/ 2	41.306
4289/ 4290/ 2	41.306
4290/ 4290/ 2	41.306
4290/ 4291/ 2	41.306
4291/ 4291/ 2	41.306
4291/ 4292/ 2	41.306
4292/ 4292/ 2	41.306
4292/ 4293/ 2	41.306
4293/ 4293/ 2	41.306
4293/ 4294/ 2	41.306
4294/ 4294/ 2	41.306
4294/ 4295/ 2	41.306
4295/ 4295/ 2	41.307
4295/ 4296/ 2	41.307
4296/ 4296/ 2	41.308
4296/ 4297/ 2	41.308
4297/ 4297/ 2	41.309
4297/ 4298/ 2	41.309
4298/ 4298/ 2	41.309
4298/ 4299/ 2	41.309
4299/ 4299/ 2	41.312
4299/ 4300/ 2	41.312
4300/ 4300/ 2	41.312
4300/ 4301/ 2	41.312
4301/ 4301/ 2	41.316
4301/ 4302/ 2	41.316
4302/ 4302/ 2	41.316
4302/ 4303/ 2	41.316
4303/ 4303/ 2	41.321
4303/ 4304/ 2	41.321
4304/ 4304/ 2	41.321
4304/ 4305/ 2	41.321
4305/ 4305/ 2	41.327
4305/ 4306/ 2	41.327
4306/ 4306/ 2	41.328
4306/ 4307/ 2	41.328
4307/ 4307/ 2	41.336
4307/ 4308/ 2	41.336
4308/ 4308/ 2	41.337
4308/ 4309/ 2	41.337
4309/ 4309/ 2	41.342
4309/ 4310/ 2	41.342
4310/ 4310/ 2	41.342
4310/ 4311/ 2	41.342
4311/ 4311/ 2	41.341
4311/ 4312/ 2	41.341
4312/ 4312/ 2	41.340
4312/ 4313/ 2	41.340
4313/ 4313/ 2	41.332

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Barra/Nudo/Caso	Fx/Sx (MPa)
4313/ 4314/ 2	41.332
4314/ 4314/ 2	41.331
4314/ 4315/ 2	41.331
4315/ 4315/ 2	41.319
4315/ 4316/ 2	41.319
4316/ 4316/ 2	41.318
4316/ 4317/ 2	41.318
4317/ 4317/ 2	41.308
4317/ 4318/ 2	41.308
4318/ 4318/ 2	41.307
4318/ 4319/ 2	41.307
4319/ 4319/ 2	41.298
4319/ 4320/ 2	41.298
4320/ 4320/ 2	41.297
4320/ 4321/ 2	41.297
4321/ 4321/ 2	41.287
4321/ 4322/ 2	41.287
4322/ 4322/ 2	41.287
4322/ 4323/ 2	41.287
4323/ 4323/ 2	41.276
4323/ 4324/ 2	41.276
4324/ 4324/ 2	41.276
4324/ 4325/ 2	41.276
4325/ 4325/ 2	41.264
4325/ 4326/ 2	41.264
4326/ 4326/ 2	41.263
4326/ 4327/ 2	41.263
4327/ 4327/ 2	41.250
4327/ 4328/ 2	41.250
4328/ 4328/ 2	41.249
4328/ 4329/ 2	41.249
4329/ 4329/ 2	41.232
4329/ 4330/ 2	41.232
4330/ 4330/ 2	41.231
4330/ 4331/ 2	41.231
4331/ 4331/ 2	41.211
4331/ 4332/ 2	41.211
4332/ 4332/ 2	41.209
4332/ 4333/ 2	41.209
4333/ 4333/ 2	41.183
4333/ 4334/ 2	41.183
4334/ 4334/ 2	41.181
4334/ 4335/ 2	41.181
4335/ 4335/ 2	41.148
4335/ 4336/ 2	41.148
4336/ 4336/ 2	41.146
4336/ 4337/ 2	41.146
4337/ 4337/ 2	41.103
4337/ 4338/ 2	41.103
4338/ 4338/ 2	41.100
4338/ 4339/ 2	41.100
4339/ 4339/ 2	41.045
4339/ 4340/ 2	41.045
4340/ 4340/ 2	41.041
4340/ 4341/ 2	41.041
4341/ 4341/ 2	40.970
4341/ 4342/ 2	40.970

Barra/Nudo/Caso	Fx/Sx (MPa)
4342/ 4342/ 2	40.965
4342/ 4343/ 2	40.965
4343/ 4343/ 2	40.873
4343/ 4344/ 2	40.873
4344/ 4344/ 2	40.866
4344/ 4345/ 2	40.866
4345/ 4345/ 2	40.747
4345/ 4346/ 2	40.747
4346/ 4346/ 2	40.738
4346/ 4347/ 2	40.738
4347/ 4347/ 2	40.578
4347/ 4348/ 2	40.578
4348/ 4348/ 2	40.566
4348/ 4349/ 2	40.566
4349/ 4349/ 2	40.352
4349/ 4350/ 2	40.352
4350/ 4350/ 2	40.336
4350/ 4351/ 2	40.336
4351/ 4351/ 2	40.053
4351/ 4352/ 2	40.053
4352/ 4352/ 2	40.030
4352/ 4353/ 2	40.030
4353/ 4353/ 2	39.662
4353/ 4354/ 2	39.662
4354/ 4354/ 2	39.635
4354/ 4355/ 2	39.635
4355/ 4355/ 2	39.163
4355/ 4356/ 2	39.163
4356/ 4356/ 2	39.129
4356/ 4357/ 2	39.129
4357/ 4357/ 2	38.521
4357/ 4358/ 2	38.521
4358/ 4358/ 2	38.476
4358/ 4359/ 2	38.476
4359/ 4359/ 2	37.693
4359/ 4360/ 2	37.693
4360/ 4360/ 2	37.635
4360/ 4361/ 2	37.635
4361/ 4361/ 2	36.623
4361/ 4362/ 2	36.623
4362/ 4362/ 2	36.549
4362/ 4363/ 2	36.549
4363/ 4363/ 2	35.242
4363/ 4364/ 2	35.242
4364/ 4364/ 2	35.146
4364/ 4365/ 2	35.146
4365/ 4365/ 2	33.459
4365/ 4366/ 2	33.459
4366/ 4366/ 2	33.334
4366/ 4367/ 2	33.334
4367/ 4367/ 2	31.153
4367/ 4368/ 2	31.153
4368/ 4368/ 2	30.992
4368/ 4369/ 2	30.992
4369/ 4369/ 2	28.164
4369/ 4370/ 2	28.164
4370/ 4370/ 2	27.954

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Barra/Nudo/Caso	Fx/Sx (MPa)
4370/ 4371/ 2	27.954
4371/ 4371/ 2	24.991
4371/ 4372/ 2	24.991
4372/ 4372/ 2	24.718
4372/ 4373/ 2	24.718
4373/ 4373/ 2	21.758
4373/ 4374/ 2	21.758
4374/ 4374/ 2	21.408
4374/ 4375/ 2	21.408
4375/ 4375/ 2	18.421
4375/ 4376/ 2	18.421
4376/ 4376/ 2	17.980
4376/ 4377/ 2	17.980
4377/ 4377/ 2	14.993
4377/ 4378/ 2	14.993
4378/ 4378/ 2	14.446
4378/ 4379/ 2	14.446
4379/ 4379/ 2	11.459
4379/ 4380/ 2	11.459
4380/ 4380/ 2	10.792
4380/ 4381/ 2	10.792
4381/ 4381/ 2	7.805
4381/ 4382/ 2	7.805
4382/ 4382/ 2	6.929
4382/ 4383/ 2	6.929
4383/ 4383/ 2	3.942
4383/ 4384/ 2	3.942
4384/ 4384/ 2	2.987
4384/ 4385/ 2	2.987
4601/ 4601/ 2	74.333
4601/ 4602/ 2	74.333
4602/ 4602/ 2	73.572
4602/ 4603/ 2	73.572
4603/ 4603/ 2	70.585
4603/ 4604/ 2	70.585
4604/ 4604/ 2	69.901
4604/ 4605/ 2	69.901
4605/ 4605/ 2	66.914
4605/ 4606/ 2	66.914
4606/ 4606/ 2	66.406
4606/ 4607/ 2	66.406
4607/ 4607/ 2	63.419
4607/ 4608/ 2	63.419
4608/ 4608/ 2	63.011
4608/ 4609/ 2	63.011
4609/ 4609/ 2	60.024
4609/ 4610/ 2	60.024
4610/ 4610/ 2	59.703
4610/ 4611/ 2	59.703
4611/ 4611/ 2	56.741
4611/ 4612/ 2	56.741
4612/ 4612/ 2	56.492
4612/ 4613/ 2	56.492
4613/ 4613/ 2	53.526
4613/ 4614/ 2	53.526
4614/ 4614/ 2	53.335
4614/ 4615/ 2	53.335

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Barra/Nudo/Caso	Fx/Sx (MPa)
4615/ 4615/ 2	50.751
4615/ 4616/ 2	50.751
4616/ 4616/ 2	50.603
4616/ 4617/ 2	50.603
4617/ 4617/ 2	48.609
4617/ 4618/ 2	48.609
4618/ 4618/ 2	48.496
4618/ 4619/ 2	48.496
4619/ 4619/ 2	46.955
4619/ 4620/ 2	46.955
4620/ 4620/ 2	46.867
4620/ 4621/ 2	46.867
4621/ 4621/ 2	45.677
4621/ 4622/ 2	45.677
4622/ 4622/ 2	45.610
4622/ 4623/ 2	45.610
4623/ 4623/ 2	44.692
4623/ 4624/ 2	44.692
4624/ 4624/ 2	44.640
4624/ 4625/ 2	44.640
4625/ 4625/ 2	43.934
4625/ 4626/ 2	43.934
4626/ 4626/ 2	43.894
4626/ 4627/ 2	43.894
4627/ 4627/ 2	43.353
4627/ 4628/ 2	43.353
4628/ 4628/ 2	43.319
4628/ 4629/ 2	43.319
4629/ 4629/ 2	42.901
4629/ 4630/ 2	42.901
4630/ 4630/ 2	42.877
4630/ 4631/ 2	42.877
4631/ 4631/ 2	42.548
4631/ 4632/ 2	42.548
4632/ 4632/ 2	42.529
4632/ 4633/ 2	42.529
4633/ 4633/ 2	42.269
4633/ 4634/ 2	42.269
4634/ 4634/ 2	42.252
4634/ 4635/ 2	42.252
4635/ 4635/ 2	42.047
4635/ 4636/ 2	42.047
4636/ 4636/ 2	42.035
4636/ 4637/ 2	42.035
4637/ 4637/ 2	41.877
4637/ 4638/ 2	41.877
4638/ 4638/ 2	41.868
4638/ 4639/ 2	41.868
4639/ 4639/ 2	41.745
4639/ 4640/ 2	41.745
4640/ 4640/ 2	41.738
4640/ 4641/ 2	41.738
4641/ 4641/ 2	41.644
4641/ 4642/ 2	41.644
4642/ 4642/ 2	41.638
4642/ 4643/ 2	41.638
4643/ 4643/ 2	41.566

Barra/Nudo/Caso	Fx/Sx (MPa)
4643/ 4644/ 2	41.566
4644/ 4644/ 2	41.561
4644/ 4645/ 2	41.561
4645/ 4645/ 2	41.505
4645/ 4646/ 2	41.505
4646/ 4646/ 2	41.502
4646/ 4647/ 2	41.502
4647/ 4647/ 2	41.459
4647/ 4648/ 2	41.459
4648/ 4648/ 2	41.457
4648/ 4649/ 2	41.457
4649/ 4649/ 2	41.424
4649/ 4650/ 2	41.424
4650/ 4650/ 2	41.422
4650/ 4651/ 2	41.422
4651/ 4651/ 2	41.397
4651/ 4652/ 2	41.397
4652/ 4652/ 2	41.396
4652/ 4653/ 2	41.396
4653/ 4653/ 2	41.377
4653/ 4654/ 2	41.377
4654/ 4654/ 2	41.376
4654/ 4655/ 2	41.376
4655/ 4655/ 2	41.363
4655/ 4656/ 2	41.363
4656/ 4656/ 2	41.362
4656/ 4657/ 2	41.362
4657/ 4657/ 2	41.353
4657/ 4658/ 2	41.353
4658/ 4658/ 2	41.352
4658/ 4659/ 2	41.352
4659/ 4659/ 2	41.346
4659/ 4660/ 2	41.346
4660/ 4660/ 2	41.346
4660/ 4661/ 2	41.346
4661/ 4661/ 2	41.343
4661/ 4662/ 2	41.343
4662/ 4662/ 2	41.343
4662/ 4663/ 2	41.343
4663/ 4663/ 2	41.344
4663/ 4664/ 2	41.344
4664/ 4664/ 2	41.344
4664/ 4665/ 2	41.344
4665/ 4665/ 2	41.347
4665/ 4666/ 2	41.347
4666/ 4666/ 2	41.347
4666/ 4667/ 2	41.347
4667/ 4667/ 2	41.353
4667/ 4668/ 2	41.353
4668/ 4668/ 2	41.354
4668/ 4669/ 2	41.354
4669/ 4669/ 2	41.358
4669/ 4670/ 2	41.358
4670/ 4670/ 2	41.358
4670/ 4671/ 2	41.358
4671/ 4671/ 2	41.356
4671/ 4672/ 2	41.356

Barra/Nudo/Caso	Fx/Sx (MPa)
4672/ 4672/ 2	41.356
4672/ 4673/ 2	41.356
4673/ 4673/ 2	41.347
4673/ 4674/ 2	41.347
4674/ 4674/ 2	41.347
4674/ 4675/ 2	41.347
4675/ 4675/ 2	41.336
4675/ 4676/ 2	41.336
4676/ 4676/ 2	41.335
4676/ 4677/ 2	41.335
4677/ 4677/ 2	41.327
4677/ 4678/ 2	41.327
4678/ 4678/ 2	41.327
4678/ 4679/ 2	41.327
4679/ 4679/ 2	41.321
4679/ 4680/ 2	41.321
4680/ 4680/ 2	41.321
4680/ 4681/ 2	41.321
4681/ 4681/ 2	41.316
4681/ 4682/ 2	41.316
4682/ 4682/ 2	41.316
4682/ 4683/ 2	41.316
4683/ 4683/ 2	41.312
4683/ 4684/ 2	41.312
4684/ 4684/ 2	41.312
4684/ 4685/ 2	41.312
4685/ 4685/ 2	41.310
4685/ 4686/ 2	41.310
4686/ 4686/ 2	41.310
4686/ 4687/ 2	41.310
4687/ 4687/ 2	41.308
4687/ 4688/ 2	41.308
4688/ 4688/ 2	41.308
4688/ 4689/ 2	41.308
4689/ 4689/ 2	41.307
4689/ 4690/ 2	41.307
4690/ 4690/ 2	41.307
4690/ 4691/ 2	41.307
4691/ 4691/ 2	41.307
4691/ 4692/ 2	41.307
4692/ 4692/ 2	41.307
4692/ 4693/ 2	41.307
4693/ 4693/ 2	41.307
4693/ 4694/ 2	41.307
4694/ 4694/ 2	41.307
4694/ 4695/ 2	41.307
4695/ 4695/ 2	41.308
4695/ 4696/ 2	41.308
4696/ 4696/ 2	41.308
4696/ 4697/ 2	41.308
4697/ 4697/ 2	41.310
4697/ 4698/ 2	41.310
4698/ 4698/ 2	41.310
4698/ 4699/ 2	41.310
4699/ 4699/ 2	41.312
4699/ 4700/ 2	41.312
4700/ 4700/ 2	41.313

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Barra/Nudo/Caso	Fx/Sx (MPa)
4700/ 4701/ 2	41.313
4701/ 4701/ 2	41.316
4701/ 4702/ 2	41.316
4702/ 4702/ 2	41.317
4702/ 4703/ 2	41.317
4703/ 4703/ 2	41.321
4703/ 4704/ 2	41.321
4704/ 4704/ 2	41.322
4704/ 4705/ 2	41.322
4705/ 4705/ 2	41.328
4705/ 4706/ 2	41.328
4706/ 4706/ 2	41.329
4706/ 4707/ 2	41.329
4707/ 4707/ 2	41.337
4707/ 4708/ 2	41.337
4708/ 4708/ 2	41.337
4708/ 4709/ 2	41.337
4709/ 4709/ 2	41.343
4709/ 4710/ 2	41.343
4710/ 4710/ 2	41.343
4710/ 4711/ 2	41.343
4711/ 4711/ 2	41.341
4711/ 4712/ 2	41.341
4712/ 4712/ 2	41.341
4712/ 4713/ 2	41.341
4713/ 4713/ 2	41.332
4713/ 4714/ 2	41.332
4714/ 4714/ 2	41.332
4714/ 4715/ 2	41.332
4715/ 4715/ 2	41.320
4715/ 4716/ 2	41.320
4716/ 4716/ 2	41.319
4716/ 4717/ 2	41.319
4717/ 4717/ 2	41.309
4717/ 4718/ 2	41.309
4718/ 4718/ 2	41.308
4718/ 4719/ 2	41.308
4719/ 4719/ 2	41.299
4719/ 4720/ 2	41.299
4720/ 4720/ 2	41.298
4720/ 4721/ 2	41.298
4721/ 4721/ 2	41.289
4721/ 4722/ 2	41.289
4722/ 4722/ 2	41.288
4722/ 4723/ 2	41.288
4723/ 4723/ 2	41.278
4723/ 4724/ 2	41.278
4724/ 4724/ 2	41.277
4724/ 4725/ 2	41.277
4725/ 4725/ 2	41.266
4725/ 4726/ 2	41.266
4726/ 4726/ 2	41.265
4726/ 4727/ 2	41.265
4727/ 4727/ 2	41.252
4727/ 4728/ 2	41.252
4728/ 4728/ 2	41.251
4728/ 4729/ 2	41.251

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Barra/Nudo/Caso	Fx/Sx (MPa)
4729/ 4729/ 2	41.234
4729/ 4730/ 2	41.234
4730/ 4730/ 2	41.233
4730/ 4731/ 2	41.233
4731/ 4731/ 2	41.213
4731/ 4732/ 2	41.213
4732/ 4732/ 2	41.211
4732/ 4733/ 2	41.211
4733/ 4733/ 2	41.186
4733/ 4734/ 2	41.186
4734/ 4734/ 2	41.184
4734/ 4735/ 2	41.184
4735/ 4735/ 2	41.151
4735/ 4736/ 2	41.151
4736/ 4736/ 2	41.149
4736/ 4737/ 2	41.149
4737/ 4737/ 2	41.106
4737/ 4738/ 2	41.106
4738/ 4738/ 2	41.103
4738/ 4739/ 2	41.103
4739/ 4739/ 2	41.049
4739/ 4740/ 2	41.049
4740/ 4740/ 2	41.045
4740/ 4741/ 2	41.045
4741/ 4741/ 2	40.974
4741/ 4742/ 2	40.974
4742/ 4742/ 2	40.969
4742/ 4743/ 2	40.969
4743/ 4743/ 2	40.877
4743/ 4744/ 2	40.877
4744/ 4744/ 2	40.871
4744/ 4745/ 2	40.871
4745/ 4745/ 2	40.752
4745/ 4746/ 2	40.752
4746/ 4746/ 2	40.743
4746/ 4747/ 2	40.743
4747/ 4747/ 2	40.584
4747/ 4748/ 2	40.584
4748/ 4748/ 2	40.572
4748/ 4749/ 2	40.572
4749/ 4749/ 2	40.359
4749/ 4750/ 2	40.359
4750/ 4750/ 2	40.343
4750/ 4751/ 2	40.343
4751/ 4751/ 2	40.060
4751/ 4752/ 2	40.060
4752/ 4752/ 2	40.037
4752/ 4753/ 2	40.037
4753/ 4753/ 2	39.670
4753/ 4754/ 2	39.670
4754/ 4754/ 2	39.643
4754/ 4755/ 2	39.643
4755/ 4755/ 2	39.171
4755/ 4756/ 2	39.171
4756/ 4756/ 2	39.137
4756/ 4757/ 2	39.137
4757/ 4757/ 2	38.530

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Barra/Nudo/Caso	Fx/Sx (MPa)
4757/ 4758/ 2	38.530
4758/ 4758/ 2	38.485
4758/ 4759/ 2	38.485
4759/ 4759/ 2	37.701
4759/ 4760/ 2	37.701
4760/ 4760/ 2	37.643
4760/ 4761/ 2	37.643
4761/ 4761/ 2	36.630
4761/ 4762/ 2	36.630
4762/ 4762/ 2	36.556
4762/ 4763/ 2	36.556
4763/ 4763/ 2	35.247
4763/ 4764/ 2	35.247
4764/ 4764/ 2	35.150
4764/ 4765/ 2	35.150
4765/ 4765/ 2	33.458
4765/ 4766/ 2	33.458
4766/ 4766/ 2	33.334
4766/ 4767/ 2	33.334
4767/ 4767/ 2	31.148
4767/ 4768/ 2	31.148
4768/ 4768/ 2	30.986
4768/ 4769/ 2	30.986
4769/ 4769/ 2	28.158
4769/ 4770/ 2	28.158
4770/ 4770/ 2	27.949
4770/ 4771/ 2	27.949
4771/ 4771/ 2	24.985
4771/ 4772/ 2	24.985
4772/ 4772/ 2	24.712
4772/ 4773/ 2	24.712
4773/ 4773/ 2	21.752
4773/ 4774/ 2	21.752
4774/ 4774/ 2	21.403
4774/ 4775/ 2	21.403
4775/ 4775/ 2	18.416
4775/ 4776/ 2	18.416
4776/ 4776/ 2	17.975
4776/ 4777/ 2	17.975
4777/ 4777/ 2	14.988
4777/ 4778/ 2	14.988
4778/ 4778/ 2	14.442
4778/ 4779/ 2	14.442
4779/ 4779/ 2	11.455
4779/ 4780/ 2	11.455
4780/ 4780/ 2	10.789
4780/ 4781/ 2	10.789
4781/ 4781/ 2	7.802
4781/ 4782/ 2	7.802
4782/ 4782/ 2	6.926
4782/ 4783/ 2	6.926
4783/ 4783/ 2	3.939
4783/ 4784/ 2	3.939
4784/ 4784/ 2	2.987
4784/ 4785/ 2	2.987

iv. Modelo de reología: cargas aplicadas, tensiones axiles, desplazamientos.

Cargas - Caso: 2 (Reología)

	Caso	Tipo de carga	Lista	Valores de carga
	1	peso propio	1A184	PZ Menos Coef=0.0
	1	peso propio	801A984	PZ Menos Coef=0.0
	1	fuerza nodal	1A185CA2	FZ=-3.712(kN)
	1	fuerza nodal	201A385CA2	FZ=-19.925(kN)
	1	fuerza nodal	401A585CA2	FZ=-17.762(kN)
	1	fuerza nodal	601A785CA2	FZ=-19.925(kN)
	1	fuerza nodal	801A985CA2	FZ=-3.712(kN)
	2	dilatación	174A184 974A984	Dilatación=-0.00051(m) relativa
	2	dilatación	154A173 954A976	Dilatación=-0.00053(m) relativa
	2	dilatación	134A153 934A953	Dilatación=-0.00052(m) relativa
	2	dilatación	116A133 916A933	Dilatación=-0.00050(m) relativa
	2	dilatación	96A115 896A915	Dilatación=-0.00053(m) relativa
	2	dilatación	76A95 876A895	Dilatación=-0.00053(m) relativa
	2	dilatación	56A75 856A875	Dilatación=-0.00058(m) relativa
	2	dilatación	36A55 836A855	Dilatación=-0.00056(m) relativa
	2	dilatación	16A35 816A835	Dilatación=-0.00060(m) relativa
	2	dilatación	1A15 801A815	Dilatación=-0.00060(m) relativa

Desplazamientos en extremo de carriles - Caso: 2 (Reología)

- Caso: 2 (Reología)

Nudo/Caso	UX (mm)	UY (mm)
4385/ 2	-101.708	0.548
4785/ 2	-101.647	0.291

Tensiones en vías - Caso: 2 (Reología): Extremos globales

- Caso: 2 (Reología)

	Fx/Sx (MPa)
MAX	118.047
Barra	4234
Nudo	4234
Caso	2
MIN	2.987
Barra	4384
Nudo	4384
Caso	2

Tensiones axiles en vías - Caso: 2 (Reología)

- Caso: 2 (Reología)

Barra/Nudo/Caso	Fx/Sx (MPa)
4201/ 4201/ 2	70.087
4201/ 4202/ 2	70.087
4202/ 4202/ 2	71.730
4202/ 4203/ 2	71.730
4203/ 4203/ 2	74.717
4203/ 4204/ 2	74.717
4204/ 4204/ 2	76.269
4204/ 4205/ 2	76.269
4205/ 4205/ 2	79.256
4205/ 4206/ 2	79.256
4206/ 4206/ 2	80.476
4206/ 4207/ 2	80.476
4207/ 4207/ 2	83.463
4207/ 4208/ 2	83.463
4208/ 4208/ 2	84.501
4208/ 4209/ 2	84.501
4209/ 4209/ 2	87.488
4209/ 4210/ 2	87.488
4210/ 4210/ 2	88.359
4210/ 4211/ 2	88.359
4211/ 4211/ 2	91.346
4211/ 4212/ 2	91.346
4212/ 4212/ 2	92.069
4212/ 4213/ 2	92.069
4213/ 4213/ 2	95.056
4213/ 4214/ 2	95.056
4214/ 4214/ 2	95.645
4214/ 4215/ 2	95.645
4215/ 4215/ 2	98.632
4215/ 4216/ 2	98.632
4216/ 4216/ 2	99.103
4216/ 4217/ 2	99.103
4217/ 4217/ 2	102.090
4217/ 4218/ 2	102.090
4218/ 4218/ 2	102.462
4218/ 4219/ 2	102.462
4219/ 4219/ 2	105.460
4219/ 4220/ 2	105.460
4220/ 4220/ 2	105.747
4220/ 4221/ 2	105.747
4221/ 4221/ 2	108.738
4221/ 4222/ 2	108.738
4222/ 4222/ 2	108.956
4222/ 4223/ 2	108.956
4223/ 4223/ 2	111.885
4223/ 4224/ 2	111.885
4224/ 4224/ 2	112.048
4224/ 4225/ 2	112.048
4225/ 4225/ 2	114.213
4225/ 4226/ 2	114.213
4226/ 4226/ 2	114.334
4226/ 4227/ 2	114.334
4227/ 4227/ 2	115.910
4227/ 4228/ 2	115.910

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Barra/Nudo/Caso	Fx/Sx (MPa)
4228/ 4228/ 2	116.004
4228/ 4229/ 2	116.004
4229/ 4229/ 2	117.084
4229/ 4230/ 2	117.084
4230/ 4230/ 2	117.139
4230/ 4231/ 2	117.139
4231/ 4231/ 2	117.777
4231/ 4232/ 2	117.777
4232/ 4232/ 2	117.805
4232/ 4233/ 2	117.805
4233/ 4233/ 2	118.043
4233/ 4234/ 2	118.043
4234/ 4234/ 2	118.047
4234/ 4235/ 2	118.047
4235/ 4235/ 2	117.914
4235/ 4236/ 2	117.914
4236/ 4236/ 2	117.901
4236/ 4237/ 2	117.901
4237/ 4237/ 2	117.630
4237/ 4238/ 2	117.630
4238/ 4238/ 2	117.615
4238/ 4239/ 2	117.615
4239/ 4239/ 2	117.415
4239/ 4240/ 2	117.415
4240/ 4240/ 2	117.404
4240/ 4241/ 2	117.404
4241/ 4241/ 2	117.263
4241/ 4242/ 2	117.263
4242/ 4242/ 2	117.255
4242/ 4243/ 2	117.255
4243/ 4243/ 2	117.163
4243/ 4244/ 2	117.163
4244/ 4244/ 2	117.159
4244/ 4245/ 2	117.159
4245/ 4245/ 2	117.112
4245/ 4246/ 2	117.112
4246/ 4246/ 2	117.110
4246/ 4247/ 2	117.110
4247/ 4247/ 2	117.105
4247/ 4248/ 2	117.105
4248/ 4248/ 2	117.105
4248/ 4249/ 2	117.105
4249/ 4249/ 2	117.141
4249/ 4250/ 2	117.141
4250/ 4250/ 2	117.145
4250/ 4251/ 2	117.145
4251/ 4251/ 2	117.224
4251/ 4252/ 2	117.224
4252/ 4252/ 2	117.230
4252/ 4253/ 2	117.230
4253/ 4253/ 2	117.358
4253/ 4254/ 2	117.358
4254/ 4254/ 2	117.368
4254/ 4255/ 2	117.368
4255/ 4255/ 2	117.554
4255/ 4256/ 2	117.554
4256/ 4256/ 2	117.565

5870

Barra/Nudo/Caso	Fx/Sx (MPa)
4256/ 4257/ 2	117.565
4257/ 4257/ 2	117.737
4257/ 4258/ 2	117.737
4258/ 4258/ 2	117.745
4258/ 4259/ 2	117.745
4259/ 4259/ 2	117.830
4259/ 4260/ 2	117.830
4260/ 4260/ 2	117.833
4260/ 4261/ 2	117.833
4261/ 4261/ 2	117.836
4261/ 4262/ 2	117.836
4262/ 4262/ 2	117.833
4262/ 4263/ 2	117.833
4263/ 4263/ 2	117.754
4263/ 4264/ 2	117.754
4264/ 4264/ 2	117.746
4264/ 4265/ 2	117.746
4265/ 4265/ 2	117.580
4265/ 4266/ 2	117.580
4266/ 4266/ 2	117.566
4266/ 4267/ 2	117.566
4267/ 4267/ 2	117.302
4267/ 4268/ 2	117.302
4268/ 4268/ 2	117.279
4268/ 4269/ 2	117.279
4269/ 4269/ 2	116.887
4269/ 4270/ 2	116.887
4270/ 4270/ 2	116.857
4270/ 4271/ 2	116.857
4271/ 4271/ 2	116.296
4271/ 4272/ 2	116.296
4272/ 4272/ 2	116.253
4272/ 4273/ 2	116.253
4273/ 4273/ 2	115.485
4273/ 4274/ 2	115.485
4274/ 4274/ 2	115.423
4274/ 4275/ 2	115.423
4275/ 4275/ 2	114.407
4275/ 4276/ 2	114.407
4276/ 4276/ 2	114.342
4276/ 4277/ 2	114.342
4277/ 4277/ 2	113.322
4277/ 4278/ 2	113.322
4278/ 4278/ 2	113.263
4278/ 4279/ 2	113.263
4279/ 4279/ 2	112.471
4279/ 4280/ 2	112.471
4280/ 4280/ 2	112.426
4280/ 4281/ 2	112.426
4281/ 4281/ 2	111.808
4281/ 4282/ 2	111.808
4282/ 4282/ 2	111.773
4282/ 4283/ 2	111.773
4283/ 4283/ 2	111.290
4283/ 4284/ 2	111.290
4284/ 4284/ 2	111.262
4284/ 4285/ 2	111.262

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Barra/Nudo/Caso	Fx/Sx (MPa)
4285/ 4285/ 2	110.882
4285/ 4286/ 2	110.882
4286/ 4286/ 2	110.860
4286/ 4287/ 2	110.860
4287/ 4287/ 2	110.557
4287/ 4288/ 2	110.557
4288/ 4288/ 2	110.540
4288/ 4289/ 2	110.540
4289/ 4289/ 2	110.294
4289/ 4290/ 2	110.294
4290/ 4290/ 2	110.280
4290/ 4291/ 2	110.280
4291/ 4291/ 2	110.075
4291/ 4292/ 2	110.075
4292/ 4292/ 2	110.063
4292/ 4293/ 2	110.063
4293/ 4293/ 2	109.886
4293/ 4294/ 2	109.886
4294/ 4294/ 2	109.875
4294/ 4295/ 2	109.875
4295/ 4295/ 2	109.712
4295/ 4296/ 2	109.712
4296/ 4296/ 2	109.702
4296/ 4297/ 2	109.702
4297/ 4297/ 2	109.550
4297/ 4298/ 2	109.550
4298/ 4298/ 2	109.540
4298/ 4299/ 2	109.540
4299/ 4299/ 2	109.394
4299/ 4300/ 2	109.394
4300/ 4300/ 2	109.384
4300/ 4301/ 2	109.384
4301/ 4301/ 2	109.232
4301/ 4302/ 2	109.232
4302/ 4302/ 2	109.222
4302/ 4303/ 2	109.222
4303/ 4303/ 2	109.054
4303/ 4304/ 2	109.054
4304/ 4304/ 2	109.042
4304/ 4305/ 2	109.042
4305/ 4305/ 2	108.847
4305/ 4306/ 2	108.847
4306/ 4306/ 2	108.833
4306/ 4307/ 2	108.833
4307/ 4307/ 2	108.602
4307/ 4308/ 2	108.602
4308/ 4308/ 2	108.584
4308/ 4309/ 2	108.584
4309/ 4309/ 2	108.297
4309/ 4310/ 2	108.297
4310/ 4310/ 2	108.276
4310/ 4311/ 2	108.276
4311/ 4311/ 2	107.903
4311/ 4312/ 2	107.903
4312/ 4312/ 2	107.875
4312/ 4313/ 2	107.875
4313/ 4313/ 2	107.377

Barra/Nudo/Caso	Fx/Sx (MPa)
4313/ 4314/ 2	107.377
4314/ 4314/ 2	107.336
4314/ 4315/ 2	107.336
4315/ 4315/ 2	106.683
4315/ 4316/ 2	106.683
4316/ 4316/ 2	106.641
4316/ 4317/ 2	106.641
4317/ 4317/ 2	105.983
4317/ 4318/ 2	105.983
4318/ 4318/ 2	105.945
4318/ 4319/ 2	105.945
4319/ 4319/ 2	105.424
4319/ 4320/ 2	105.424
4320/ 4320/ 2	105.393
4320/ 4321/ 2	105.393
4321/ 4321/ 2	104.976
4321/ 4322/ 2	104.976
4322/ 4322/ 2	104.952
4322/ 4323/ 2	104.952
4323/ 4323/ 2	104.611
4323/ 4324/ 2	104.611
4324/ 4324/ 2	104.590
4324/ 4325/ 2	104.590
4325/ 4325/ 2	104.303
4325/ 4326/ 2	104.303
4326/ 4326/ 2	104.286
4326/ 4327/ 2	104.286
4327/ 4327/ 2	104.033
4327/ 4328/ 2	104.033
4328/ 4328/ 2	104.017
4328/ 4329/ 2	104.017
4329/ 4329/ 2	103.778
4329/ 4330/ 2	103.778
4330/ 4330/ 2	103.763
4330/ 4331/ 2	103.763
4331/ 4331/ 2	103.523
4331/ 4332/ 2	103.523
4332/ 4332/ 2	103.507
4332/ 4333/ 2	103.507
4333/ 4333/ 2	103.248
4333/ 4334/ 2	103.248
4334/ 4334/ 2	103.226
4334/ 4335/ 2	103.226
4335/ 4335/ 2	102.783
4335/ 4336/ 2	102.783
4336/ 4336/ 2	102.743
4336/ 4337/ 2	102.743
4337/ 4337/ 2	101.937
4337/ 4338/ 2	101.937
4338/ 4338/ 2	101.872
4338/ 4339/ 2	101.872
4339/ 4339/ 2	100.653
4339/ 4340/ 2	100.653
4340/ 4340/ 2	100.559
4340/ 4341/ 2	100.559
4341/ 4341/ 2	98.847
4341/ 4342/ 2	98.847

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Barra/Nudo/Caso	Fx/Sx (MPa)
4342/ 4342/ 2	98.718
4342/ 4343/ 2	98.718
4343/ 4343/ 2	96.393
4343/ 4344/ 2	96.393
4344/ 4344/ 2	96.218
4344/ 4345/ 2	96.218
4345/ 4345/ 2	93.263
4345/ 4346/ 2	93.263
4346/ 4346/ 2	93.006
4346/ 4347/ 2	93.006
4347/ 4347/ 2	90.044
4347/ 4348/ 2	90.044
4348/ 4348/ 2	89.733
4348/ 4349/ 2	89.733
4349/ 4349/ 2	86.763
4349/ 4350/ 2	86.763
4350/ 4350/ 2	86.362
4350/ 4351/ 2	86.362
4351/ 4351/ 2	83.381
4351/ 4352/ 2	83.381
4352/ 4352/ 2	82.833
4352/ 4353/ 2	82.833
4353/ 4353/ 2	79.846
4353/ 4354/ 2	79.846
4354/ 4354/ 2	79.229
4354/ 4355/ 2	79.229
4355/ 4355/ 2	76.242
4355/ 4356/ 2	76.242
4356/ 4356/ 2	75.492
4356/ 4357/ 2	75.492
4357/ 4357/ 2	72.505
4357/ 4358/ 2	72.505
4358/ 4358/ 2	71.607
4358/ 4359/ 2	71.607
4359/ 4359/ 2	68.620
4359/ 4360/ 2	68.620
4360/ 4360/ 2	67.557
4360/ 4361/ 2	67.557
4361/ 4361/ 2	64.570
4361/ 4362/ 2	64.570
4362/ 4362/ 2	63.324
4362/ 4363/ 2	63.324
4363/ 4363/ 2	60.337
4363/ 4364/ 2	60.337
4364/ 4364/ 2	58.891
4364/ 4365/ 2	58.891
4365/ 4365/ 2	55.904
4365/ 4366/ 2	55.904
4366/ 4366/ 2	54.238
4366/ 4367/ 2	54.238
4367/ 4367/ 2	51.251
4367/ 4368/ 2	51.251
4368/ 4368/ 2	49.342
4368/ 4369/ 2	49.342
4369/ 4369/ 2	46.355
4369/ 4370/ 2	46.355
4370/ 4370/ 2	44.175

5872

Barra/Nudo/Caso	Fx/Sx (MPa)
4370/ 4371/ 2	44.175
4371/ 4371/ 2	41.188
4371/ 4372/ 2	41.188
4372/ 4372/ 2	38.706
4372/ 4373/ 2	38.706
4373/ 4373/ 2	35.719
4373/ 4374/ 2	35.719
4374/ 4374/ 2	32.876
4374/ 4375/ 2	32.876
4375/ 4375/ 2	29.889
4375/ 4376/ 2	29.889
4376/ 4376/ 2	26.860
4376/ 4377/ 2	26.860
4377/ 4377/ 2	23.873
4377/ 4378/ 2	23.873
4378/ 4378/ 2	20.880
4379/ 4379/ 2	20.880
4379/ 4379/ 2	17.893
4379/ 4380/ 2	17.893
4380/ 4380/ 2	14.935
4380/ 4381/ 2	14.935
4381/ 4381/ 2	11.948
4381/ 4382/ 2	11.948
4382/ 4382/ 2	8.961
4382/ 4383/ 2	8.961
4383/ 4383/ 2	5.974
4383/ 4384/ 2	5.974
4384/ 4384/ 2	2.987
4384/ 4385/ 2	2.987
4601/ 4601/ 2	70.094
4601/ 4602/ 2	70.094
4602/ 4602/ 2	71.737
4602/ 4603/ 2	71.737
4603/ 4603/ 2	74.724
4603/ 4604/ 2	74.724
4604/ 4604/ 2	76.277
4604/ 4605/ 2	76.277
4605/ 4605/ 2	79.264
4605/ 4606/ 2	79.264
4606/ 4606/ 2	80.484
4606/ 4607/ 2	80.484
4607/ 4607/ 2	83.471
4607/ 4608/ 2	83.471
4608/ 4608/ 2	84.509
4608/ 4609/ 2	84.509
4609/ 4609/ 2	87.496
4609/ 4610/ 2	87.496
4610/ 4610/ 2	88.368
4610/ 4611/ 2	88.368
4611/ 4611/ 2	91.355
4611/ 4612/ 2	91.355
4612/ 4612/ 2	92.078
4612/ 4613/ 2	92.078
4613/ 4613/ 2	95.065
4613/ 4614/ 2	95.065
4614/ 4614/ 2	95.654
4614/ 4615/ 2	95.654

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Barra/Nudo/Caso	Fx/Sx (MPa)
4615/ 4615/ 2	98.641
4615/ 4616/ 2	98.641
4616/ 4616/ 2	99.113
4616/ 4617/ 2	99.113
4617/ 4617/ 2	102.100
4617/ 4618/ 2	102.100
4618/ 4618/ 2	102.472
4618/ 4619/ 2	102.472
4619/ 4619/ 2	105.470
4619/ 4620/ 2	105.470
4620/ 4620/ 2	105.758
4620/ 4621/ 2	105.758
4621/ 4621/ 2	108.749
4621/ 4622/ 2	108.749
4622/ 4622/ 2	108.967
4622/ 4623/ 2	108.967
4623/ 4623/ 2	111.894
4623/ 4624/ 2	111.894
4624/ 4624/ 2	112.057
4624/ 4625/ 2	112.057
4625/ 4625/ 2	114.216
4625/ 4626/ 2	114.216
4626/ 4626/ 2	114.336
4626/ 4627/ 2	114.336
4627/ 4627/ 2	115.905
4627/ 4628/ 2	115.905
4628/ 4628/ 2	115.998
4628/ 4629/ 2	115.998
4629/ 4629/ 2	117.072
4629/ 4630/ 2	117.072
4630/ 4630/ 2	117.127
4630/ 4631/ 2	117.127
4631/ 4631/ 2	117.761
4631/ 4632/ 2	117.761
4632/ 4632/ 2	117.789
4632/ 4633/ 2	117.789
4633/ 4633/ 2	118.023
4633/ 4634/ 2	118.023
4634/ 4634/ 2	118.027
4634/ 4635/ 2	118.027
4635/ 4635/ 2	117.893
4635/ 4636/ 2	117.893
4636/ 4636/ 2	117.880
4636/ 4637/ 2	117.880
4637/ 4637/ 2	117.611
4637/ 4638/ 2	117.611
4638/ 4638/ 2	117.596
4638/ 4639/ 2	117.596
4639/ 4639/ 2	117.400
4639/ 4640/ 2	117.400
4640/ 4640/ 2	117.389
4640/ 4641/ 2	117.389
4641/ 4641/ 2	117.252
4641/ 4642/ 2	117.252
4642/ 4642/ 2	117.244
4642/ 4643/ 2	117.244
4643/ 4643/ 2	117.156

Barra/Nudo/Caso	Fx/Sx (MPa)
4643/ 4644/ 2	117.156
4644/ 4644/ 2	117.152
4644/ 4645/ 2	117.152
4645/ 4645/ 2	117.107
4645/ 4646/ 2	117.107
4646/ 4646/ 2	117.105
4646/ 4647/ 2	117.105
4647/ 4647/ 2	117.102
4647/ 4648/ 2	117.102
4648/ 4648/ 2	117.103
4648/ 4649/ 2	117.103
4649/ 4649/ 2	117.140
4649/ 4650/ 2	117.140
4650/ 4650/ 2	117.144
4650/ 4651/ 2	117.144
4651/ 4651/ 2	117.225
4651/ 4652/ 2	117.225
4652/ 4652/ 2	117.232
4652/ 4653/ 2	117.232
4653/ 4653/ 2	117.361
4653/ 4654/ 2	117.361
4654/ 4654/ 2	117.371
4654/ 4655/ 2	117.371
4655/ 4655/ 2	117.558
4655/ 4656/ 2	117.558
4656/ 4656/ 2	117.570
4656/ 4657/ 2	117.570
4657/ 4657/ 2	117.741
4657/ 4658/ 2	117.741
4658/ 4658/ 2	117.749
4658/ 4659/ 2	117.749
4659/ 4659/ 2	117.833
4659/ 4660/ 2	117.833
4660/ 4660/ 2	117.836
4660/ 4661/ 2	117.836
4661/ 4661/ 2	117.838
4661/ 4662/ 2	117.838
4662/ 4662/ 2	117.835
4662/ 4663/ 2	117.835
4663/ 4663/ 2	117.755
4663/ 4664/ 2	117.755
4664/ 4664/ 2	117.747
4664/ 4665/ 2	117.747
4665/ 4665/ 2	117.579
4665/ 4666/ 2	117.579
4666/ 4666/ 2	117.565
4666/ 4667/ 2	117.565
4667/ 4667/ 2	117.297
4667/ 4668/ 2	117.297
4668/ 4668/ 2	117.274
4668/ 4669/ 2	117.274
4669/ 4669/ 2	116.877
4669/ 4670/ 2	116.877
4670/ 4670/ 2	116.846
4670/ 4671/ 2	116.846
4671/ 4671/ 2	116.280
4671/ 4672/ 2	116.280

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Barra/Nudo/Caso	Fx/Sx (MPa)
4672/ 4672/ 2	116.237
4672/ 4673/ 2	116.237
4673/ 4673/ 2	115.464
4673/ 4674/ 2	115.464
4674/ 4674/ 2	115.401
4674/ 4675/ 2	115.401
4675/ 4675/ 2	114.383
4675/ 4676/ 2	114.383
4676/ 4676/ 2	114.317
4676/ 4677/ 2	114.317
4677/ 4677/ 2	113.298
4677/ 4678/ 2	113.298
4678/ 4678/ 2	113.239
4678/ 4679/ 2	113.239
4679/ 4679/ 2	112.449
4679/ 4680/ 2	112.449
4680/ 4680/ 2	112.404
4680/ 4681/ 2	112.404
4681/ 4681/ 2	111.788
4681/ 4682/ 2	111.788
4682/ 4682/ 2	111.753
4682/ 4683/ 2	111.753
4683/ 4683/ 2	111.270
4683/ 4684/ 2	111.270
4684/ 4684/ 2	111.242
4684/ 4685/ 2	111.242
4685/ 4685/ 2	110.861
4685/ 4686/ 2	110.861
4686/ 4686/ 2	110.839
4686/ 4687/ 2	110.839
4687/ 4687/ 2	110.534
4687/ 4688/ 2	110.534
4688/ 4688/ 2	110.517
4688/ 4689/ 2	110.517
4689/ 4689/ 2	110.269
4689/ 4690/ 2	110.269
4690/ 4690/ 2	110.254
4690/ 4691/ 2	110.254
4691/ 4691/ 2	110.047
4691/ 4692/ 2	110.047
4692/ 4692/ 2	110.034
4692/ 4693/ 2	110.034
4693/ 4693/ 2	109.853
4693/ 4694/ 2	109.853
4694/ 4694/ 2	109.842
4694/ 4695/ 2	109.842
4695/ 4695/ 2	109.675
4695/ 4696/ 2	109.675
4696/ 4696/ 2	109.665
4696/ 4697/ 2	109.665
4697/ 4697/ 2	109.508
4697/ 4698/ 2	109.508
4698/ 4698/ 2	109.499
4698/ 4699/ 2	109.499
4699/ 4699/ 2	109.348
4699/ 4700/ 2	109.348
4700/ 4700/ 2	109.338

5874

Barra/Nudo/Caso	Fx/Sx (MPa)
4700/ 4701/ 2	109.338
4701/ 4701/ 2	109.181
4701/ 4702/ 2	109.181
4702/ 4702/ 2	109.170
4702/ 4703/ 2	109.170
4703/ 4703/ 2	108.995
4703/ 4704/ 2	108.995
4704/ 4704/ 2	108.983
4704/ 4705/ 2	108.983
4705/ 4705/ 2	108.777
4705/ 4706/ 2	108.777
4706/ 4706/ 2	108.762
4706/ 4707/ 2	108.762
4707/ 4707/ 2	108.513
4707/ 4708/ 2	108.513
4708/ 4708/ 2	108.494
4708/ 4709/ 2	108.494
4709/ 4709/ 2	108.184
4709/ 4710/ 2	108.184
4710/ 4710/ 2	108.161
4710/ 4711/ 2	108.161
4711/ 4711/ 2	107.771
4711/ 4712/ 2	107.771
4712/ 4712/ 2	107.742
4712/ 4713/ 2	107.742
4713/ 4713/ 2	107.230
4713/ 4714/ 2	107.230
4714/ 4714/ 2	107.188
4714/ 4715/ 2	107.188
4715/ 4715/ 2	106.522
4715/ 4716/ 2	106.522
4716/ 4716/ 2	106.479
4716/ 4717/ 2	106.479
4717/ 4717/ 2	105.808
4717/ 4718/ 2	105.808
4718/ 4718/ 2	105.770
4718/ 4719/ 2	105.770
4719/ 4719/ 2	105.235
4719/ 4720/ 2	105.235
4720/ 4720/ 2	105.204
4720/ 4721/ 2	105.204
4721/ 4721/ 2	104.773
4721/ 4722/ 2	104.773
4722/ 4722/ 2	104.748
4722/ 4723/ 2	104.748
4723/ 4723/ 2	104.393
4723/ 4724/ 2	104.393
4724/ 4724/ 2	104.372
4724/ 4725/ 2	104.372
4725/ 4725/ 2	104.072
4725/ 4726/ 2	104.072
4726/ 4726/ 2	104.054
4726/ 4727/ 2	104.054
4727/ 4727/ 2	103.790
4727/ 4728/ 2	103.790
4728/ 4728/ 2	103.773
4728/ 4729/ 2	103.773

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Barra/Nudo/Caso	Fx/Sx (MPa)
4729/ 4729/ 2	103.527
4729/ 4730/ 2	103.527
4730/ 4730/ 2	103.511
4730/ 4731/ 2	103.511
4731/ 4731/ 2	103.265
4731/ 4732/ 2	103.265
4732/ 4732/ 2	103.249
4732/ 4733/ 2	103.249
4733/ 4733/ 2	102.989
4733/ 4734/ 2	102.989
4734/ 4734/ 2	102.966
4734/ 4735/ 2	102.966
4735/ 4735/ 2	102.525
4735/ 4736/ 2	102.525
4736/ 4736/ 2	102.485
4736/ 4737/ 2	102.485
4737/ 4737/ 2	101.684
4737/ 4738/ 2	101.684
4738/ 4738/ 2	101.620
4738/ 4739/ 2	101.620
4739/ 4739/ 2	100.414
4739/ 4740/ 2	100.414
4740/ 4740/ 2	100.321
4740/ 4741/ 2	100.321
4741/ 4741/ 2	98.635
4741/ 4742/ 2	98.635
4742/ 4742/ 2	98.508
4742/ 4743/ 2	98.508
4743/ 4743/ 2	96.234
4743/ 4744/ 2	96.234
4744/ 4744/ 2	96.064
4744/ 4745/ 2	96.064
4745/ 4745/ 2	93.113
4745/ 4746/ 2	93.113
4746/ 4746/ 2	92.864
4746/ 4747/ 2	92.864
4747/ 4747/ 2	89.899
4747/ 4748/ 2	89.899
4748/ 4748/ 2	89.596
4748/ 4749/ 2	89.596
4749/ 4749/ 2	86.620
4749/ 4750/ 2	86.620
4750/ 4750/ 2	86.227
4750/ 4751/ 2	86.227
4751/ 4751/ 2	83.241
4751/ 4752/ 2	83.241
4752/ 4752/ 2	82.701
4752/ 4753/ 2	82.701
4753/ 4753/ 2	79.714
4753/ 4754/ 2	79.714
4754/ 4754/ 2	79.105
4754/ 4755/ 2	79.105
4755/ 4755/ 2	76.118
4755/ 4756/ 2	76.118
4756/ 4756/ 2	75.379
4756/ 4757/ 2	75.379
4757/ 4757/ 2	72.391

Barra/Nudo/Caso	Fx/Sx (MPa)
4757/ 4758/ 2	72.391
4758/ 4758/ 2	71.505
4758/ 4759/ 2	71.505
4759/ 4759/ 2	68.518
4759/ 4760/ 2	68.518
4760/ 4760/ 2	67.467
4760/ 4761/ 2	67.467
4761/ 4761/ 2	64.488
4761/ 4762/ 2	64.488
4762/ 4762/ 2	63.247
4762/ 4763/ 2	63.247
4763/ 4763/ 2	60.260
4763/ 4764/ 2	60.260
4764/ 4764/ 2	58.829
4764/ 4765/ 2	58.829
4765/ 4765/ 2	55.842
4765/ 4766/ 2	55.842
4766/ 4766/ 2	54.193
4766/ 4767/ 2	54.193
4767/ 4767/ 2	51.206
4767/ 4768/ 2	51.206
4768/ 4768/ 2	49.316
4768/ 4769/ 2	49.316
4769/ 4769/ 2	46.329
4769/ 4770/ 2	46.329
4770/ 4770/ 2	44.172
4770/ 4771/ 2	44.172
4771/ 4771/ 2	41.185
4771/ 4772/ 2	41.185
4772/ 4772/ 2	38.727
4772/ 4773/ 2	38.727
4773/ 4773/ 2	35.740
4773/ 4774/ 2	35.740
4774/ 4774/ 2	32.879
4774/ 4775/ 2	32.879
4775/ 4775/ 2	29.092
4775/ 4776/ 2	29.092
4776/ 4776/ 2	26.856
4776/ 4777/ 2	26.856
4777/ 4777/ 2	23.869
4777/ 4778/ 2	23.869
4778/ 4778/ 2	20.879
4778/ 4779/ 2	20.879
4779/ 4779/ 2	17.092
4779/ 4780/ 2	17.892
4780/ 4780/ 2	14.935
4780/ 4781/ 2	14.935
4781/ 4781/ 2	11.948
4781/ 4782/ 2	11.948
4782/ 4782/ 2	8.961
4782/ 4783/ 2	8.961
4783/ 4783/ 2	5.974
4783/ 4784/ 2	5.974
4784/ 4784/ 2	2.987
4784/ 4785/ 2	2.987

4.3.9. MEDIDAS CORRECTORAS PARA LA ESTABILIZACIÓN DE LAS VIVIENDAS PRÓXIMAS A LAS OBRAS

1.CALCULO DE RIDO

El cálculo de las pantallas se ha llevado a cabo con el programa de cálculo francés RIDO 4, desarrollado por Robert Fages Logiciels. Dicho programa fue puesto a punto durante la construcción del Metro de Lyón y utiliza la hipótesis de Winkler con un coeficiente de balasto que puede variar con la tensión vertical:

$$K_h = K_{h0} + \alpha \sigma'_v$$

Los empujes varían linealmente con el desplazamiento horizontal de la pantalla desde su posición de reposo inicial, hasta los valores de plastificación correspondientes a los valores de empuje activo o pasivo. El cálculo permite, además, seguir paso a paso la secuencia de trabajos, calculando en cada momento las fuerzas que minimizan la energía elástica de todos los elementos implicados.

La amplia experiencia de estos cálculos obtenida en distintas obras, ha permitido comprobar que los resultados obtenidos con parámetros habituales conducen a diseños del lado de la seguridad.

1.1.ACCIONES CONSIDERADAS

1.1.1.CARACTERIZACIÓN DEL TERRENO

Se han utilizado una columna tipo de terreno en el cálculo, cuyos parámetros geotécnicos se presentan a continuación:

Datos de cara a utilizar el programa RIDO:

Material Propiedad	Relleno antrópico	Arenas limosas	Limos arenosos	Limos arcillosos
Densidad (t/m3)	2,00	2,15	2,05	2,00
Cohesión (t/m2)	0,0	0,00	0,50	1,50
Angulo rozamiento	25º	33º	28º	24º
Coeficiente de balasto (t/m3) b = 1,00 m	2000	5000	5000	5000

Perfiles a considerar

El perfil considerado en el cálculo de las pantallas del falso túnel es el siguiente.

Perfil	Relleno antrópico	Arenas limosas	Limos arenosos	Limos arcillosos	Limos arenosos	Limos arcillosos
300+600	0,0-2,4	2,4-13,7	13,7-14,9	14,9-16,5	16,5-23,2	Z>23,2

Con objeto de mejorar el terreno en el intradós de las pantallas, limitar las deformaciones y consiguientes asentamientos en el trasdós de las pantallas del falso túnel, se trata el terreno mediante pantallas ejecutadas con hormigón en masa y que actúan como arriostramientos transversales y codales de jet grouting que mejoran las características del terreno tratado.

Se proyectan dos franjas de terreno tratado por debajo de la cubierta de aproximadamente 1,00 m de altura (resuelto con pantallas de hormigón) y de 4,00 m por debajo de la solera.

Se considera que tanto las pantallas de hormigón como las columnas de jet tienen las siguientes características geomecánicas:

- Resistencia característica mínima 28 días = 10 MPa
- Angulo de rozamiento = 28º
- Módulo de balasto horizontal = 100.000 Tn/m^3

A la hora de calcular las características de las capas del terreno tratado, se realiza una media aritmética de las características geotécnicas del terreno sin tratar y de las pantallas o de las columnas de jet, considerando como cohesión de las pantallas o columnas de jet:

- Cohesión

$$c = \left(\frac{f_{ck}}{2}\right) * \left(\frac{(1-sen\varphi)}{\cos\varphi}\right)$$

Con objeto de minorar, del lado de la seguridad, los parámetros geotécnicos del terreno tratado se reduce por *una quinta parte (1/5)* el anterior valor de la cohesión y por *una tercera parte (1/3)* el valor del módulo de balasto horizontal.

A continuación, se muestran las características del terreno tratado:

RELLENO ANTROPICO TRATADO JET

DATOS DEL TERRENO			DATOS DEL HORMIGON		
			fck =	100	kp/cm²
c =	0.0	t/m²	c =	60	t/m²
φ =	25.0	º	φ =	28.0	º
k =	2.000	t/m³	k =	100.000	t/m³

SIN TRATAR	0.4
TRATADO	0.6

c =	36.05 t/m²
φ =	26.8 º
k =	20266.67 t/m³

ARENAS MEDIO LIMOSAS TRATADAS JET

DATOS DEL TERRENO			DATOS DEL HORMIGON		
			f_{ck} =	100	kp/cm²
c =	0.0	t/m²	c =	60	t/m²
φ =	33.0	º	φ =	28.0	º
k =	5.000	t/m³	k =	100.000	t/m³

SIN TRATAR	0.4
TRATADO	0.6

c =	36.05 t/m²
φ =	30 º
k =	20666.67 t/m³

LIMOS ARENOSOS TRATADOS JET

DATOS DEL TERRENO			DATOS DEL HORMIGON		
			f_{ck} =	100	kp/cm²
c =	0.5	t/m²	c =	60	t/m²
φ =	28.0	º	φ =	28.0	º
k =	5.000	t/m³	k =	100.000	t/m³

SIN TRATAR	0.4
TRATADO	0.6

c =	36.25 t/m²
φ =	28 º
k =	20666.67 t/m³

1.1.2.NIVEL FREÁTICO

Nivel freático a, aproximadamente, a cota +1.00. Se considerará hidrostático.

Se considera en las distintas fases de excavación el agotamiento en el intradós del falso túnel, recobrándose el nivel freático por debajo de la solera una vez cerrado el pozo.

1.1.3.CARGAS SOBRECARGAS EN EL TRASDÓS DE LAS PANTALLAS.

Las cargas consideradas en las pantallas son las debidas a los momentos que las cargas verticales transmiten a las mismas debido a la excentricidad de los apoyos.

Las cargas consideradas en la cubierta son las de peso propio (2.5 t/m^3), carga de tierras (1.8 t/m^3) y sobrecarga encima de la misma (1,5 t/m²). En los apoyos en ménsula se ha considerado un brazo de 0.65 m y en el resto de apoyos del lado de la seguridad de 0.10 m.

Del lado de la seguridad, se considera que la solera transmite a la pantalla en forma de momento, su carga de peso propio y la subpresión que soporta, estimándose este momento como la décima parte (1/10) del momento máximo del centro de vano de una viga biempotrada ((p*l^2)/24)

Como sobrecargas en el trasdós de la pantalla se consideran las siguientes; carga de tierras por encima de la cota del terreno con un peso específico de 1.8 t/m^3, como sobrecarga de tráfico se adopta una sobrecarga uniforme, de acuerdo a la IAP, igual a 1.0 t/m² y como sobrecarga de las edificaciones colindantes se considera una sobrecarga de 1.0 t/m² por planta situada la planta baja de la vivienda o edificación considerada.

1.1.4.SISMO

Dado que las pantallas están situadas en una zona sísmica el efecto del sismo se ha tenido en cuenta considerando una fase accidental de sismo con las siguientes características:

La aceleración de cálculo se corresponde a los siguientes parámetros:

- Aceleración básica = 0,04*g
- Coeficiente de riesgo = 1,30
- Coeficiente del suelo = 2,00

De acuerdo a estos valores la aceleración de cálculo a considera es 0,104*g

El efecto del sismo en las pantallas se traduce en los siguientes efectos más significativos;

- Aumento de los empujes del terreno debidos a la acción sísmica y disminución de los empujes pasivos del terreno en la zona empotrada.
- Aumento de los empujes del agua en el lado activo y disminución de los efectos favorables del agua en el lado del empotramiento.

La caracterización considerada para el terreno bajo la hipótesis sísmica es la siguiente:

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Relleno antrópico

ac	0.104		ac	0.104	
	(º)	(rad)		(º)	(rad)
θ	8.86	0.155	θ	8.86	0.155
δ	0	0.000	δ	0	0.000
ϕ	25	0.436	ϕ	25	0.436
ka sismo	**0.528**		kp sismo	**2.191**	
ka	**0.406**		kp	**2.464**	
Porcentaje	**130%**		Porcentaje	**89%**	

Con restricciones

Arenas medio limosas

ac	0.104		ac	0.104	
	(º)	(rad)		(º)	(rad)
θ	8.86	0.155	θ	8.86	0.155
δ	0	0.000	δ	0	0.000
ϕ	33	0.576	ϕ	33	0.576
ka sismo	**0.397**		kp sismo	**3.080**	
ka	**0.295**		kp	**3.392**	
Porcentaje	**135%**		Porcentaje	**91%**	

Con restricciones

Limos arenosos

ac	0.104		ac	0.104	
	(º)	(rad)		(º)	(rad)
θ	8.86	0.155	θ	8.86	0.155
δ	0	0.000	δ	0	0.000
ϕ	28	0.489	ϕ	28	0.489
ka sismo	**0.475**		kp sismo	**2.484**	
ka	**0.361**		kp	**2.770**	
Porcentaje	**132%**		Porcentaje	**90%**	

Con restricciones

Limos arcillosos

ac	0.104		ac	0.104	
	(º)	(rad)		(º)	(rad)
θ	8.86	0.155	θ	8.86	0.155
δ	0	0.000	δ	0	0.000
ϕ	24	0.419	ϕ	24	0.419
ka sismo	**0.547**		kp sismo	**2.102**	
ka	**0.422**		kp	**2.371**	
Porcentaje	**130%**		Porcentaje	**89%**	

Con restricciones

Por debajo del nivel freático el incremento del empuje en cada punto se ha calculado con la siguiente expresión:

$$\Delta E = \frac{7}{8} \cdot \frac{a_h}{g} \cdot \gamma_w \cdot h_z$$

siendo:

- a_h : aceleración de cálculo horizontal
- g : aceleración de la gravedad
- h_z: profundidad
- γ_w: peso específico del agua.

1.2.COMPROBACIONES REALIZADAS

En estado límite de servicio se comprueban las deformaciones de la estructura y la relación entre el empuje pasivo movilizado y el posible (no se comprueba fisuración al igual en el proyecto adjudicado)

En todos los casos las deformaciones son admisibles y los valores de empuje pasivo movilizado con respecto al posible resultan admisibles.

Para estado avanzados de carga se comprueba el estado límite de tensiones normales (flexo compresión) y tangenciales (cortante). La armadura dispuesta en fases anteriores cubre las cuantías geométricas, mecánicas y de cálculo.

Se adjuntan los listados con la comprobación de la situación persistente, las armaduras longitudinales y transversales y a continuación la comprobación en fase accidental.

1.3.CARACTERIZACIÓN DE LAS PANTALLAS

A continuación se adjunta para su revisión, la entrada de datos de las principales pantallas tipo UIC-2 en los distintos módulos en los que se ha dividido el tramo, que son los siguientes:

1. Tipo UIC2.M9
2. Tipo UIC2.M10
3. Tipo UIC2.M11
4. Tipo UIC2.JR1 (módulo 36-39)
5. Tipo UIC2.JR1 (módulo 40)
6. Tipo UIC2.JR2
7. Tipo UIC2.JR3
8. Tipo UIC2.JR4

Nota: Los listados que se adjuntan son los de entrada de datos en situación accidental (que también incluyen los datos de entrada de cálculo de la situación persistente o transitoria)

También se han comprobado la situación provisional de la pantalla UIC1 del módulo 31 en la fase de extracción de tierras del módulo de prueba y la pantalla UIC2 módulo 31 en la fase en que actúan en voladizo (hasta que se cierra la cubierta una vez extraídas las tierras) con berma en su intr.adós.

```
*****  DATA FILE NAME : EMEDI.RIO                                                    *1601E *
      *FANTASIA MODULO 33, USC-2.MPA. SITUACION ESTATICA ERRADA.
      *CARACTERISTICAS PANTALLA
      $E = 2958000
      $CANTO = 0.86
      $INERCIA = (CANTO**3/12)
      $EI = (E*INERCIA)
      $EMOGRAM = 23.58
      *$AC = 0.104
      $EXCPASO = 4.5D
      $EXCANTO = 0.5D
      *COTAS EXCAVACION
      $C2 = 6.8D
      $C3 = 5.4D
      $MANEXC = -4.5D
      $C1 = MAXEXC-EMPOTRAM
      $HF = C2-1
      *LONGITUD DE ANCLAJE/EMPOTRAMIENTO
      $ANCMET = (C2 - 0.15)
      $LM = 6.8D
      $ANA1 = (C2 - 1.5D)
      $ANA2 = (C2 - 8.8D)
      $E = 17.65
      $N1 = 1.8D
      $N2 = 1.2D
      *CARGAS A CONSIDERAR
      *SOBRECARGAS SC1 = TIERRAS, SC2 = CARRETERA, SC3 = EDIFICACIONES
      *MP1 MOMENTO EN PT CORTINA, MP2 MOMENTO SOLERA, MP3 MOMENTO SUPRESIONES
      *MP4 CM Y SC CORTINA
      $SC1 = 5.2D
      $SC2 = 1.8D
      $SC3 = 1.8D
      $MP3 = 73.4D
      $MP2 = 3.5D
      $MP3 = -3.5D
      $MP4 = 14.73D
      ; C2
  1 ...  3.4
      ; C2 N1
  2 ...  -26 123935.2
      ; C2
  3 ...  6
      *RELLENO ANTRAPICO
      ; (C2-2.4D) 2.8D 1.8D 0 0 0.5 0.0D 23.8D 0 0.333 2800 0.
  4 ...  3.4 0 1 0 0 0 0 0.25 0 0.333 2000 0
      *ANCLAS MEDIAS LINDAS
      ; (C2-13.7) 2.35 1.15 0 0 0 0.5 0.0D 23.8D 0 0.333 5000 0
  5 ...  -7.7 2.15 1.15 0 0 0 0 32 0 0.333 5000 0
      *2LINDS ANCLADOS Y ANCLAS MUY PINAS LINDAS
      ; (C2-14.9) 2.03 1.85 0 0 0 0.5D 28.0D 0 0.333 5000 0.
  6 ...  -8.9 2.05 1.05 0 0 0 0.5 28 0 0.333 3800 0
      *2LINDS Y LINDS ANCLADOS
      ; (C2-16.3D) 2.8D 1 0 0 0 1.5 24 0 0.333 5000 0
  7 ...  -10.5 2 1 0 0 0 1.5 24 0 0.333 5000 0
      *2LINDS ANCLADOS Y ANCLAS MUY PINAS LINDAS
      ; (C2-23.2D) 2.85 1.65 0 0 0 0.5D 28.0D 0 0.333 5000 0
  8 ...  -17.2 2.03 1.05 0 0 0 0.5 28 0 0.333 5000 0
      *2LINDS Y LINDS ANCLADOS
      ; (C2-26.8D) 2.8D 1.8D 0 0 0 1.5 24 0 0.333 5000 0
  9 ...  -20 2 1 0 0 0 1.5 24 0 0.333 3800 0
      ; MF 0.5
 10 ...  ) 0.5
      *ENRASO ENRASO INTRADOS POR DEBAJO DE CORTINA
      ; SOI(2) (C2-2.3D)
 11 ... SOI(2)  2.17
      ; (C2-3.5D) 2.15 1.15 0 0 0 26.85 28 0 0.33 3866)
 12 ...  2.17 2.15 1.13 0 0 0 36.83 28 0 0.23 29567
      *ENRASO ENRASO INTRADOS POR DEBAJO DE SOLERA
      ; SOI(2) (C2-10.3D)
 13 ... SOI(2)  -4.5
      ; (C2-14.3D) 2.85 1.05 0 0 0 36.25 28 0 0.33 29567
 14 ...  -8.5 2.05 1.05 0 0 0 36.25 28 0 0.33 3866?
      ^ FASE 1 PRIMERA EXCAVACION
      ; EXC(2) EXCPASO
 15 ... EXC(2)  4.5
      ; CAL(2)
 16 ... CAL(2)
      ^ FASE 2 SOBRECARGA EN LAS TIERRAS
      ; SUR(1) C4 0.8D 1000 SC1
 17 ... SUR(1)  5.4 0 1000 1.2D
      ; CAL(2)
 18 ... CAL(2)
      ^ FASE 3 SOBRECARGA DE TRAFICO Y EDIFICACIONES
      ; SUR(1,1) C2 0.8 1000 SC2
 19 ... SUR(1,1)  6 0 1000 1
      ; SUR(1,1)  (C1+8.6D) 8.5D 15 SC3
 20 ... SUR(1,1)  8.6D 6.9 15 1
      ; CAL(2)
 21 ... CAL(2)
      ^ FASE 4 EJECUCION PUNTALES METALICOS
      ; PTA ARRRET 1 0 0 ((E2A*E*0.024)/(2.5D*LM*LM*LM*LM))
 22 ... PTA 5.2D 1 0 0 12585.9D
      ; CAL(2)
 23 ... CAL(2)
      ^ FASE 5 EXCAVACION POR DEBAJO DE CORTINAS
      ; EXC(2) (ANA1-E.5D*N1-SOBREXC)
 24 ... EXC(2)  3.3D
      ; CAL(2)
 25 ... CAL(2)
      ^ FASE 6 RELLENO DEL NIVEL FREATICO
      ; MAT(2) (ANA2-E.5E*N2-SOBREXC)
 26 ... MAT(2)  -5
      ; CAL(2)
 27 ... CAL(2)
      ^ FASE 7 EJECUCION DE LOSA SUPERIOR Y RESTRAZA PUNTAL METALICO
      ; PTA ARR1 1 0 0 ((E*N1)/L)
 28 ... PTA 4.2D 1 0 0 164385.9
      ; PTA(0,1)
 29 ... PTA(0,1)
      ; CAL(2)
 30 ... CAL(2)
      ^ FASE 8 MOMENTO DE PESO PROPIO DE LA LOSA
      ; CPM ANA1 0 MP1
 31 ... CPM 4.2D 0 31.9D
      ; CAL(2)
 32 ... CAL(2)
      ^ FASE 9 EXCAVACION HASTA COTA INFERIOR SOLERA
      ; EXC(2) (ANA2-0.3E*N2)
 33 ... EXC(2)  -6.5
      ; CAL(3)
 34 ... CAL(2)
      ^ FASE 10 EJECUCION DE SOLERA
      ; PTA ARR2 1 0 0 ((E*N2)/L)
 35 ... PTA -3.9 1 0 0 199167.3
      ; CAL(2)
 36 ... CAL(2)
      ^ FASE 11 MOMENTO DE LA SOLERA
      ; CPM ARR2 0 MP2
 37 ... CPM -3.8 0 3.5
      ; CAL(2)
 38 ... CAL(2)
      ^ FASE 12 SUPRESIONES POR DEBAJO SOLERA
      ; WAY(2) (ANA2-0.5E*N2) -ANA2+0.5D*N2+HF
 39 ... WAY(2)  -4.0 0.5
      ; CPM ARR2 0 MP2
 40 ... CPM -3.8 0 -3.5D
      ; CAL(2)
 41 ... CAL(2)
      ^ FASE 13 PESO DE TIERRAS SOBRE LA CORTINATA Y SOBRECARGA
      ; CPM ARR1 0 MP4
 42 ... CPM 4.2D 0 14.73D
      ; CAL(2)
 43 ... CAL(2)
      ^ FASE 14 SISMO
      *ESA(1) 0.52E 2.19L 0 25
      *ESA(2) 0.39T 2.87E 0 32
      *ESA(3) 0.47S 2.48I 0.5 28
      *ESA(4) 0.54T 2.13I 1.5 24
      *ESA(5) 0.47S 2.48I 0.5 28
      *ESA(6) 0.54T 2.16I 1.5 24
      *WAY(1) HF 0
      *WAY(1) C1 ((HF-C1)*(1-?*AC/E))
      *WAY(2) MAXEXC 0
      *WAY(2) C1 ((MAXEXC-C1)*(1-?*AC/E))
      *CAL(2)
      ; END
 44 ... END
      ; PTA
 45 ... PTA
      ; STOP
 46 ... STOP
```

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```
***** DATA FILE NAME : IW32.RSO
                                                                  *INIX *
      *PANTALLA MODULOS 32-34. UNC-2.MLG. SITUACION REALISTA TALUARA.
      *CARACTERISTICAS PANTALLA
      $X = 2598000
      $CAMPO = 0.26
      $ENERGIA = (CAMPO^3/12)
      $RI = ($P*1VERACIA)
      $PRESERAM = 21.38
      *$AC = 0.384
      $ENCPANU = 4.56
      $SOBREMC = 0.36
      *COTAS EXCAVACION
      $CE = 5.80
      $CS = 5.40
      $EXCEMC = -1.58
      $CX = EXCEMC-ESPOTRAM
      $PE = CS-$
      *NIVELES DE APUNTALAMIENTO
      $ANCAMIE = (CS - 5.15)
      $ZM = 6.80
      $AN3 = (CS - 1.65)
      $AN2 = (CE - 5.90)
      $L = 14.61
      $N1 = 1.08
      $N2 = 1.28
      *CARGAS A CONSIDERAR
      *SOBRECARGAS SC1 = ZAPATAS, SC2 = CARRETERA, SC3 = NOTIFICACIONES
      *$P1 MOMENTO EN PP CORTINA, M*2 MOMENTO SOLERA, PE1 MOMENTO SOBRESUELOS
      *$P4 CM Y SC CORTINA
      $SC1 = 1.26
      $SC2 = 1.06
      $SC3 = 1.08
      $MP1 = 17.745
      $MP2 = 2.86
      $MP3 = -2.23
      $MP4 = 13.52
      ; CS
1 ... 5.4
      ; CS M2
2 ... -25.E 123732.3
      ; CS
3 ... 6
      *RELLENO AFERQPICO
      : (CS-2.65) 2.09 1.05 0 0 0 0.05 25.00 0 0.333 3000 0.
4 ... 3.6 2 1 0 0 0 0 25 0 0 0.333 2500 0
      *ARENAS SUELTAS LIMOSAS
      : (CS-13.7) 2.15 1.15 0 0 0 0 0.05 30.00 0 0.333 3500 0
5 ... -7.7 2.15 1.15 0 0 0 0 30 0 0.333 3000 0
      *LIMOS ARENOSOS Y ARENAS MUY FINAS LIMOSAS
      : (CS-14.9) 2.65 1.05 0 0 0 0 0.50 28.00 0 0.333 3500 0.
6 ... -8.9 2.55 1.05 0 0 0 0 0.5 26 0 0.333 3000 0
      *LIMOS Y LIMOS ARCILLOSOS
      : (CS-16.58) 2.68 1 0 0 0 0 1.5 24 0 0.333 3000 0
7 ... -10.3 2 1 0 0 0 0 1.5 24 0 0.333 3000 0
      *LIMOS ARENOSOS Y ARENAS MUY FINAS LIMOSAS
      : (CS-23.28) 2.05 1.05 0 0 0 0 0.50 32.00 0 0.333 3000 0
8 ... -17.2 2.05 1.05 0 0 0 0 0.5 28 0 0.333 3000 0
      *LIMOS Y LIMOS ARCILLOSOS
      : (CS-26.08) 2.08 1.05 0 0 0 0 1.5 24 0 0.33% 3000 0
9 ... -20 2 1 0 0 0 0 1.5 24 0 0.333 3000 0
      ; MP 0.5
10 ... 1 0.5
      *TERRENO ERATARO INTARDS POR BERAJO CORTINTA
      ; SOI(2) (CS-2.93)
11 ... SOI(2)  7.17
      ; (CS-3.93) 2.15 1.15 0 0 0 0 36.85 38 0 0.33 28667
12 ... 2.17 0.15 1.15 0 0 0 0 36.85 38 0 0.23 28667
      *TERRENO ERATARO INTARDS POR BERAJO SOLERA
      ; SOI(2) (CT-10.30)
13 ... SOI(2)  -4.5
      : (CT-14.30) 2.05 1.05 0 0 0 0 36.25 2E 0 0.33 28667
14 ... -E.5 2.05 1.05 0 0 0 0 36.25 2E 0 0.33 28667
      ^ FASE 1 PANTRA EXCAVACION
      ; EXC(3) EXCPARU
15 ... EXC(3)  4.5
      ; CAL(2)
16 ... CAL(2)
      ^ FASE 2 SOBRECARGA EN LAS ZIMPAS
      ; SUB(1) CS 0.00 1000 SC1
17 ... SUB(1)  5.4 0 1000 1.26
      ; CAL(2)
18 ... CAL(2)
      ^ FASE 3 SOBRECARGA EN TRAFICO Y NOTIFICACIONES
      ; SUB(1,1) CS 0.0 1000 SC2
19 ... SUB(1,1)  0 0 1000 1
      ; SUB(1,1) (CS10.61) 18.80 38.80 SC3
20 ... SUB(1,1)  6.61 18 20 1
      ; CAL(2)
21 ... CAL(2)
      ^ FASE 4 EJECUCION MUROLES METALICOS
      ; STR ARRMET 1 0 0 ((324*E^0.874)/(2.50*LM*1M^LM^1M))
22 ... STR 5.25 1 0 0 31E85.93
      ; CAL(2)
23 ... CAL(2)
      ^ FASE 5 EXCAVACION POR DEBAJO DE CORTINTA
      ; EXC(2) (ANA1-0.5E*N1-SOBREMC)
24 ... EXC(2)  1.15
      ; CAL(2)
25 ... CAL(2)
      ^ FASE 6 REBAJE DEL NIVEL FREATICO
      ; MAT(2) (ANA2-0.5E*N2-SOBREMC)
```

```
26 ... MAT(2)  -5
      ; CAL(2)
27 ... CAL(2)
      ^ FASE 7 EJECUCION DE LOSA SUPERIOR Y RELLENO FONTAL ARMADITOS
      ; STR ARA1 1 0 0 ((E^N1)/2)
28 ... STR 4.35 1 0 0 158494.2
      ; STR(0,1)
29 ... STR(0,1)
      : CAL(2)
30 ... CAL(2)
      ^ FASE 8 MOMENTO DE PESO PROPIO DE LA LOSA
      ; CPM ARA1 0 MP1
31 ... CPM 4.35 0 17.745
      ; CAL(2)
32 ... CAL(2)
      ^ FASE 9 EXCAVACION HASTA COTA SUPERIOR SOLERA
      ; EXC(2) (ANA2-0.5E*N2)
33 ... EXC(2)  -4.3
      ; CAL(2)
34 ... CAL(2)
      ^ FASE 10 EJECUCION DE SOLERA
      ; STR ARA1 1 0 0 ((E^N2)/2)
35 ... STR -2.3 1 0 0 238191
      ; CAL(2)
36 ... CAL(2)
      ^ FASE 11 MOMENTO DE LA SOLERA
      ; CPM ARA2 0 MP2
37 ... CPM -2.3 0 2.66
      ; CAL(2)
38 ... CAL(2)
      ^ FASE 12 SUSPENSIONES POR DEBAJO SOLERA
      ; MAT(2) (ANA2-0.5E*N2) -ANA2*0.5E*N2*MP
39 ... MAT(2)  -4.5 5.3
      ; CPM ARA2 0 MP2
40 ... CPM -2.5 0 -2.21
      : CAL(2)
41 ... CAL(2)
      ^ FASE 13 PESO DE ZIMPAS SOBRE LA CORTINTA Y SOBRECARGA
      ; CPM ARA1 0 MP4
42 ... CPM 4.35 0 13.52
      ; CAL(2)
43 ... CAL(2)
      ^ FASE 14 SISMO
      *ELA(1) 0.578 3.193 0 35
      *ELA(3) 0.397 3.080 0 32
      *ELA(3) 0.473 2.472 0.5 28
      *ELA(4) 0.547 2.102 1.5 24
      *ELA(5) 0.673 2.461 0.5 28
      *ELA(6) 0.547 2.102 1.5 24
      *MAT(1) MP 0
      *MAT(3) CS ((MP-CS)*(1+7*AC/E))
      *MAT(2) MASKMC 0
      *MAT(2) CS ((MASKEMC-CS)*(1-7*AC/E))
      ^CAL(2)
      ; END
44 ... END
      : STA
45 ... STA
      ; STOP
46 ... STOP
```

```
***** DATA FILE NAME : GIC2X15.DIG

                                                                    *1GIC *
      *PANTALLA MODULO 15. GIC-2.M11. SITUACION ACCIDENTAL.
      *CARACTERISTICAS PANTALLA
      $E = 2900000
      $CANTO = 0.80
      $INERCIA = (CANTO^3/12)
      $I = (E*INERCIA)
      $PERPIRAM = 14.55
      $AC = 0.104
      $RECPASV = 4.50
      $SOBREXC = 0.50
      *COTAS EXCAVACION
      $C2 = 6.00
      $C5 = 5.55
      $MARENC = -4.20
      $C1 = MARENC-SREPIRAM
      $NF = C2-3
      *NIVELES DE ANCLOSTRAMIENTO
      $ARMENT = (C5 - 0.30)
      $AM = 4.00
      $AAA1 = (C2 - 1.65)
      $AAA2 = (C2 - 9.65)
      $Z = 33.50
      $H1 = 0.80
      $H2 = 1.05
      *CARGAS & COMPISORAS
      *SOBRECARGAS $C1 = TIERRAS, $C2 = CARRETERA, $C3 = EDIFICACIONES
      *MP1 MOMENTO DE PP CUBIERTA, MP2 MOMENTO SOLERA, MP3 MOMENTO SOBREEXCAVAS
      *MP4 CM Y SC CUBIERTA
      $SC1 = 0.10
      $SC2 = 1.00
      $SC3 = 0.10
      $MP1 = 8.90
      $MP2 = 1.20
      $MP3 = -1.75
      $MP4 = 14.30
      ; C5
1 ... 5.55
      ; CI NI
2 ... -38.9 123733.3
      ; C1
3 ... 4
      *ANCLAJES ANTERIORES
      ; (C1-2.00) 2.00 1.00 0 0 0 0 0.50 25.00 0 0.333 2900 0.
4 ... 3.4 2 1 0 0 0 0 0 25 0 0 0.333 2900 0
      *ANCLAS MEDIAS ZIMDSAS
      ; (C1-13.7) 2.15 1.15 0 0 0 0 0 0.50 33.00 0 0.333 5000 0
5 ... -7.7 2.15 1.15 0 0 0 0 0 33 0 0 0.333 5000 0
      *LIMOS ARENOSOS Y ANCLAS MUY FINAS ZIMDSAS
      ; (C1-14.5) 2.65 1.05 0 0 0 0 0.50 28.00 0 0 0.333 5000 0.
6 ... -8.5 2.65 1.05 0 0 0 0 0.5 28 0 0 0.333 5000 0
      *LIMOS Y LIMOS ARCILLOSOS
      ; (C1-16.50) 2.00 1 0 0 0 0 1.5 24 0 0 0.333 5000 0
7 ... -38.3 2 1 0 0 0 0 1.5 24 0 0 0.333 5000 0
      *LIMOS ARENOSOS Y ANCLAS MUY FINAS ZIMDSAS
      ; (C1-23.20) 2.65 1.05 0 0 0 0 0.50 28.00 0 0 0.333 5000 0
8 ... -37.2 2.65 1.05 0 0 0 0 0.5 28 0 0 0.333 5000 0
      *LIMOS Y LIMOS ARCILLOSOS
      ; (C1-26.00) 2.00 1.00 0 0 0 0 1.5 24 0 0 0.333 5000 0
9 ... -28 2 1 0 0 0 0 1.5 24 0 0 0.333 5000 0
      ; NF 0.5
10 ... 1 0.5
      *TERRENO TRATADO INTRADOS BAJO CUBIERTA
      ; EQI(2) (C1-2.33)
11 ... EQI(2) 2.17
      ; (C1-2.82) 2.15 1.15 0 0 0 0 36.05 30 0 0.33 28667
12 ... 2.17 2.15 1.15 0 0 0 0 36.05 30 0 0.33 28667
      *TERRENO TRATADO INTRADOS BAJO SOLERA
      ; EQI(2) (C1-10.30)
13 ... EQI(2) -4.5
      ; (C1-14.50) 2.65 1.05 0 0 0 0 36.25 28 0 0.33 28667
14 ... -8.5 2.65 1.05 0 0 0 0 36.25 28 0 0.33 28667
      ^ FASE 1 PRIMERA EXCAVACION
      ; EXC(2) EXCPASV
15 ... EXC(2) +.5
      ; CAL(2)
16 ... CAL(2)
      ^ FASE 2 SOBRECARGA EN LAS TIERRAS
      ; SOB(1) C2 0.00 1000 SC1
17 ... SOB(1) 5.55 0 1000 0.1E
      ; CAL(2)
18 ... CAL(2)
      ^ FASE 3 SOBRECARGA DE TRAFICO Y EDIFICACIONES
      ; SOB(1,1) C2 0.0 1000 SC2
19 ... SOB(1,1) 6 0 1000 1
      ; SOB(1,1) (C2+8.61) 12.50 22.50 SC3
20 ... SOB(1,1) 6.61 12.5 22.5 0.1
      ; CAL(2)
21 ... CAL(2)
      ^ FASE 4 EJECUCION PANTALLA MONTALTCOS
      ; EPA ARMENT 1 0 0 ((3E4*E^3.834)/(2.50*LM^2M^1M^1M))
22 ... ESA 5.25 1 0 0 11685.53
      ; CAL(2)
23 ... CAL(2)
      ^ FASE 5 EXCAVACION POR DEBAJO DE CUBIERTA
      ; EXC(2) (AAA1-0.50*M1-SOBREXC)
24 ... EXC(2) 3.5
      ; CAL(2)
25 ... CAL(2)
      ^ FASE 6 REBAJE DEL NIVEL FREATICO
      ; WAI(2) (AAA2-0.50*M2-SOBREXC)
26 ... WAI(2) -4.6
      ; CAL(2)
27 ... CAL(2)
      ^ FASE 7 EJECUCION DE LOSA SUPERIOR RETIRADA PUNTALES METALICOS
      ; EPA AAA1 1 0 0 (E*M1/2)
28 ... ESA 4.6 1 0 0 202738.1
      ; ESA(0,1)
29 ... ESA(0,1)
      ; CAL(2)
30 ... CAL(2)
      ^ FASE 8 MOMENTO DE PESO PROPIO DE LA LOSA
      ; CPM (AAA1-0.30*M1) 0 MP1
31 ... CPM 1 0 E
      ; CAL(2)
32 ... CAL(2)
      ^ FASE 9 EXCAVACION POR DEBAJO SOLERA
      ; EXC(2) (AAA2-0.50*M2)
33 ... EXC(2) -6.1
      ; CAL(2)
34 ... CAL(2)
      ^ FASE 10 EJECUCION DE SOLERA
      ; EPA AAA2 1 0 0 ((E*M2)/2)
35 ... EPA -3.6 1 0 0 252173.9
      ; CAL(2)
36 ... CAL(2)
      ^ FASE 11 MOMENTO DE LA SOLERA
      ; CPM AAA2 0 MP2
37 ... CPM -3.6 0 1.2
      ; CAL(2)
38 ... CAL(2)
      ^ FASE 12 SUBPRESIONES POR DEBAJO SOLERA
      ; WAI(2) (AAA2-0.50*M2) -AAA2+0.30*M2+MF
39 ... WAI(2) -6.1 0.1
      ; CPM AAA2 0 MP3
40 ... CPM -3.6 0 -1.75
      ; CAL(2)
41 ... CAL(2)
      ^ FASE 13 PESO DE TIERRAS SOBRE LA CUBIERTA Y SOBRECARGA
      ; CPM (AAA1-0.50*H1) 0 MP4
42 ... CPM 4 0 14.3
      ; CAL(2)
43 ... CAL(2)
      ^ FASE 14 SISMO
      ; PEA(1) 0.328 2.191 0 25
44 ... PEA(1) 0.328 2.191 0 25
      ; PEA(2) 0.397 3.088 0 33
45 ... PEA(2) 0.397 3.08 0 33
      ; PEA(3) 0.475 2.483 0.3 2E
46 ... PEA(3) 0.475 2.483 0.5 2E
      ; PEA(4) 0.347 2.102 1.5 24
47 ... PEA(4) 0.347 2.102 1.5 24
      ; PEA(5) 0.475 2.483 0.5 2E
48 ... PEA(5) 0.475 2.483 0.5 3E
      ; PEA(6) 0.347 2.102 1.5 2E
49 ... PEA(6) 0.347 2.102 1.5 24
      ; MAS(1) MF 0
50 ... WAI(1) 1 0
      ; WAI(1) CI ((MF-CI)*(1+7*AC/E))
51 ... WAI(1) -12.7 21.4927
      ; WAI(2) MARENC 0
52 ... WAI(2) -4.2 0
      ; WAI(2) CI ((MARENC-CI)*(1-7*AC/E))
53 ... WAI(2) -12.7 13.1303
      ; CAL(2)
54 ... CAL(8)
      ; END
55 ... END
      ; EPA
56 ... EPA
      ; STOP
57 ... STOP
```

```
***** DATA FILE NAME : UICCM36.DAT

                                                                    *1012 *
      *PANTALLA MODULO 36-39, UIC-2.JA1, SITUACION ACCIDENTAL.
      *CARACTERISTICAS PANTALLA
      $E = 2500000
      $CANTO = 0.80
      $INERCIA = (CANTO**3/12)
      $EI = ($*INERCIA)
      $EMODPANT = 13.50
      $AC = 8.104
      $ECERANC = 4.50
      $SOBRENC = 0.50
      *COTAS EXCAVACION
      $CI = 6.00
      $CE = 5.70
      $MAXEXC = -4.30
      $CI = MAXEXC-EMODPANT
      $NF = CE-5
      *NIVELES DE ARRIOSTRAMIENTO
      $ARRANI = (CE - 0.15)
      $EM = 6.00
      $ARA1 = (CI - 1.60)
      $ARA2 = (CI - 9.60)
      $Z = 16.35
      $N1 = 0.80
      $N2 = 1.00
      *CARGAS A CONSIDERAR
      *SOBRECARGAS SC1 = TIERRAS, SC2 = CARRETERA, SC3 = EDIFICACIONES
      *MF1 MOMENTO DE PP CORTERIA, MF2 MOMENTO SOLERA, MF3 MOMENTO SUPRESIONES
      *MF4 CM Y SC CURTERIA
      $SC1 = 0.1E
      $SC2 = 1.00
      $SC3 = 4.00
      $MP1 = 7.00
      $MP2 = 0.99
      $MP3 = -1.45
      $MP4 = 12.80
      ; CE
1 ... 5.2
      : CI NF
2 ... -19.7 123733.3
      ; CE
3 ... 4
      *RELLENO ANTROPICO
      ; (CI-2.40) 2.00 1.00 0 0 0 0.00 25.00 0 0.333 2000 0.
4 ... 3.6 2 1 0 0 0 0 32 0 0.333 2000 0
      *ARENAS MEDIAS LIMOSAS
      ; (CY-13.7) 2.15 1.15 0 0 0 0 0.80 33.00 0 0.333 3000 0
5 ... -7.7 2.15 1.15 0 0 0 0 32 0 0.333 3000 0
      *LIMOS ARENOSOS Y ARENAS MUY FINAS LIMOSAS
      ; (CY-14.9) 2.05 1.05 0 0 0 0.50 28.00 0 0.333 3000 0.
6 ... -7.9 2.05 1.05 0 0 0 0.5 28 0 0.333 3000 0
      *LIMOS Y LIMOS ARCILEOSOS
      ; (CY-16.50) 2.00 1 0 0 0 1.5 24 0 0.333 3000 0
7 ... -10.5 2 1 0 0 0 1.5 24 0 0.333 3000 0
      *LIMOS ARENOSOS Y ARENAS MUY FINAS LIMOSAS
      ; (CI-21.30) 2.05 1.05 0 0 0 0.50 28.00 0 0.333 3000 0
8 ... -17.2 2.05 1.05 0 0 0 0.5 28 0 0.333 3000 0
      *LIMOS Y LIMOS ARCILEOSOS
      ; (CY-25.00) 2.00 1.00 0 0 0 1.5 24 0 0.333 3000 0
9 ... -20 2 1 0 0 0 1.5 24 0 0.333 3000 0
      ; NF 0.5
10 ... 1 0.5
      *TERRENO TRATADO INYECTADO BAJO CORTERIA
      ; EOI(2) (CY-9.83)
11 ... EOI(2)  1.17
      ; (CY-3.33) 2.15 1.15 0 0 0 36.05 30 0 0.33 20667
12 ... 2.17 2.15 1.15 0 0 0 36.05 38 0 0.33 20667
      *TERRENO TRATADO INYECTADO BAJO SOLERA
      ; EOI(2) (CY-10.50)
13 ... EOI(2)  -4.5
      ; (CY-14.50) 2.05 1.05 0 0 0 36.25 28 0 0.33 20667
14 ... -8.3 2.05 1.05 0 0 0 36.25 28 0 0.33 20667
      ^ FASE 1 PRIMERA EXCAVACION
      ; EXC(2) EXCPREV
15 ... EXC(2)  4.2
      ; CAL(2)
16 ... CAL(2)
      ^ FASE 2 SOBRECARGA DE LAS TIERRAS
      ; SOB(1) CE 0.00 3000 SC1
17 ... SOB(1)  5.2 0 3000 0.12
      ; CAL(2)
18 ... CAL(2)
      ^ FASE 3 SOBRECARGA DE TRAFICO Y EDIFICACIONES
      ; SOB(1,3) CE 0.0 3000 SC2
19 ... SOB(1,1)  4 0 3000 1
      ; SOB(1,1) (CI+0.63) 4.50 19.5E SC3
20 ... SOB(1,1)  6.61 4.5 19.5 E
      ; CAL(2)
21 ... CAL(2)
      ^ FASE 4 EJECUCION PANTALLAS METALICAS
      ; STA ARRANT I 0 0 ((EM*E**0.834)/(2.30*EM*AM*EM*ZM))
22 ... STA 3.05 1 0 0 13885.83
      ; CAL(2)
23 ... CAL(2)
      ^ FASE 5 EXCAVACION HOR BERAJO DE CORTERIA
      ; EXC(2) (ARR1-0.50*N1-SOBRENC)
24 ... EXC(2)  3.5
      ; CAL(2)
25 ... CAL(2)
      ^ FASE 6 BERAJE DEL NIVEL FANATICO
      ; VAI(2) (ARR2-0.50*N2-SOBRENC)
```

```
26 ... VAI(2)  -4.6
      ; CAL(2)
27 ... CAL(2)
      ^ FASE 6 EJECUCION DE LOSA SUPERIOR APOYADA PUNTALES
      ; STA ARR1 1 0 0 ((E*N1)/Z)
28 ... STA 4.4 1 0 0 224154.6
      ; STA(0,1)
29 ... STA(0,1)
      ; CAL(2)
30 ... CAL(2)
      ^ FASE 7 MOMENTO DE PESO PROPIO DE LA LOSA
      ; CFM (ARR1-0.50*N1) 0 MP1
31 ... CFM 4 0 7
      ; CAL(2)
32 ... CAL(2)
      ^ FASE 8 EXCAVACION POR DEBAJO SOLERA
      ; EXC(2) (ARR2-0.50*N2)
33 ... EXC(2)  -4.1
      ; CAL(2)
34 ... CAL(2)
      ^ FASE 10 EJECUCION DE SOLERA
      ; STA ARR2 1 0 0 ((E*N2)/Z)
35 ... STA -2.6 1 0 0 280191.2
      ; CAL(2)
36 ... CAL(2)
      ^ FASE 11 MOMENTO DE LA SOLERA
      ; CFM ARR2 0 MP2
37 ... CFM -2.6 0 0.89
      ; CAL(2)
38 ... CAL(2)
      ^ FASE 12 SUPRESIONES POR DEBAJO SOLERA
      ; VAI(2) (ARR2-0.50*N2) -ARR2*0.50*N2*NF
39 ... VAI(2)  -4.1 3.1
      ; CFM ARR2 0 MP3
40 ... CFM -2.6 0 -1.6
      ; CAL(2)
41 ... CAL(2)
      ^ FASE 13 PESO DE TIERRAS SOBRE LA CORTERIA Y SOBRECARGA
      ; CFM (ARR1-0.50*N1) 0 MP4
42 ... CFM 4 0 12.6
      ; CAL(2)
43 ... CAL(2)
      ^ FASE 14 SIGMA
      ; PLA(1) 0.528 2.191 0 25
44 ... PLA(1)  0.528 2.191 0 25
      ; PLA(2) 0.397 3.886 0 33
45 ... PLA(2)  0.397 3.886 0 33
      ; PLA(3) 0.475 2.483 0.5 2E
46 ... PLA(3)  0.475 2.483 0.5 2E
      ; PLA(4) 0.549 2.182 1.5 24
47 ... PLA(4)  0.549 2.182 1.5 24
      ; PLA(5) 0.475 2.422 0.5 2E
48 ... PLA(5)  0.495 2.482 0.5 2E
      ; PLA(6) 0.547 2.182 1.5 2E
49 ... PLA(6)  0.547 2.182 1.5 2E
      ; WAT(1) NF 0
50 ... WAT(1)  1 0
      ; WAT(1) CI ((NF-CI)*(1+7*AC/E))
51 ... WAT(1)  -19.7 2E.5837
      ; WAT(2) MAXEXC 0
52 ... WAT(2)  -4.3 0
      ; WAT(2) CI ((MAXEXC-CI)*(1-7*AC/E))
53 ... WAT(2)  -18.7 14.8835
      ; CAL(2)
54 ... CAL(2)
      ; END
55 ... END
      ; STA
56 ... STA
      ; STOP
57 ... STOP
```

```
***** DATA FILE NAME : UNCINAS.DIO

                                                                *1D1L *
      *PANTALLA MODELO 4E. DIC-2.2A1. SITUACION ACCIDENTAL.
      *CARACTERISTICAS PANTALLA
      $B = 1000000
      $CANTO = 0.88
      $INERCIA = (CANTO**3/12)
      $EI = (E*INERCIA)
      $MODULRM = 33.00
      $AC = 0.184
      $RECUBINF = 0.05
      $RECUBSUP = 0.05
      *CORAS EXCAVACION
      $C7 = 6.88
      $C8 = 7.68
      $MARGEN = -1.85
      $CE = MARGEN-ENTIBIRAM
      $NP = C7+5
      *NIVELES DE ARRIOSTRAMIENTO
      $ANCLAJE = (CE - 1.5D)
      $AA = 0.00
      $AAA1 = (C8 - 0.4D)
      $AAA2 = (C8 - 0.3D)
      $Z = 9.92
      $N1 = 0.2D
      $N2 = 0.5D
      *CARGAS A CONSIDERAR
      *SOBRECARGAS SC1 = TIERRAS, SC2 = CARRETERA, SC3 = EDIFICACIONES
      *MP1 MOMENTO EN 2ª CUBIERTA, MP2 MOMENTO SOLERA, MP3 MOMENTO SOBRESOLERA
      *MP4 CM Y SC CUBIERTA
      $SC1 = 0.1D
      $SC2 = 1.0D
      $SC3 = 2.0D
      $MP1 = 2.9D
      $MP2 = 0.5D
      $MP3 = -0.2D
      $MP4 = 4.5D
      ; C6
1 ... 7.6
      : CE 6.0D
2 ... 6 0
      \ C6 XZ
3 ... -32.85 1237331.3
      ; C7
4 ... 8
      *ARENOSO ANTRODICO
      ; (C6-3.40) 2.0D 1.0D 0 0 0 0.0D 25.0D 0 0.333 2000 0.
5 ... 3.6 2 1 0 0 0 0 25 1 0.333 2000 0
      *ARENAS SUELTAS LIMOSAS
      ; (CE-13.7) 2.15 1.15 0 0 0 0.0D 33.0D 0 0.333 2500 0
6 ... -7.7 2.15 1.15 0 0 0 0 33 0 0.333 3000 0
      *LIMOS ARENOSOS Y ARENAS MUY FINAS LIMOSAS
      \ (C5-16.9) 2.05 1.05 0 0 0 0.5D 35.0D 0 0.333 3500 0.
7 ... -8.9 2.05 1.05 0 0 0 0.5 23 0 0.333 3000 0
      *LIMOS Y LIMOS ARCILOSOS
      ; (C8-18.5D) 2.0D 1 0 0 0 1.5 24 0 0.333 3000 0
8 ... -10.5 2 1 0 0 0 1.5 24 0 0.333 3000 0
      *LIMOS ARENOSOS Y ARENAS MUY FINAS LIMOSAS
      ; (C6-23.2D) 2.05 1.05 0 0 0 0.5D 28.0D 0 0.333 3000 0
9 ... -12.2 2.05 1.05 0 0 0 0.5 28 0 0.333 3000 0
      *LIMOS Y LIMOS ARCILOSOS
      \ (C7-26.40) 2.0D 1.0D 0 0 0 1.5 24 0 0.333 3000 0
10 ... -28 2 1 0 0 0 1.5 24 0 0.333 3000 0
      ; NP 0.5
11 ... 1 0.5
      *TERRENO TRATADO INTERIORES EXTERIOR CUBIERTA
      ; SOI(2) (CE-0.2D)
12 ... SOI(2) 5.0
      \ (CE-1.2D) 2.0D 1.0D 0 0 0 0 26.0D 26.0D 0 0.33 2500
13 ... 4.2 2 1 0 0 0 0 36.0D 26.0 0 0.33 2500
      *TERRENO TRATADO INTERIORES EXTERIOR SOLERA
      ; SOI(2) (CE-7.0D)
14 ... SOI(2) -1
      ; (CE-13.0D) 2.1D 1.1D 0 0 0 0 36.0D 36 0 0.33 2500
15 ... -3 2.1D 1.1D 0 0 0 0 36.0D 36 0 0.33 2500
      ^ FASE 1 PRIMERA EXCAVACION
      ; EXC(2) EXCPASV
16 ... EXC(2) 0
      ; CAL(2)
17 ... CAL(2)
      * FASE 2 SOBRECARGA EN LAS TIERRAS
      ; SUR(1) C6 0.0D 1000 SC1
18 ... SUR(1) 7.6 0 1000 0.1
      ; CAL(2)
19 ... CAL(2)
      * FASE 3 SOBRECARGA EN TRAFICO Y EDIFICACIONES
      ; SUR(1,1) C6 0.0 1000 SC2
20 ... SUR(2,1) 0 0 3000 1
      ; SUR(1,0) (C2+0.4D) 0.0D 23.0D SC3
21 ... SUR(2,1) 0.4D 1 23 2
      ; CAL(2)
22 ... CAL(2)
      ^ FASE 4 EXCAVACION PANTALLA MINERALES
      ; EXA ARRAY 1 0 0 ((2E4*3*6.83A)/(2.5E-5*C6*ANG*6*ZAG))
23 ... EXA 3.7 1 0 0 16685.8)
      ; CAL(2)
24 ... CAL(2)
      * FASE 5 BAJADA DEL NIVEL FREATICO
      ; WAS(2) (AAA2-0.5E+02-SOBREXC)
25 ... WAS(2) -1.35
      ; CAL(2)
26 ... CAL(2)
      ^ FASE 6 EXCAVACION HASTALLA
      ; EXC(1) XZ
27 ... EXC(1) 1237331.3
      ; CAL(2)
28 ... CAL(2)
      * FASE 7 EJECUCION DE CORTINA MEDIANTE PUNTAL
      ; EXA ARRA 1 0 0 ((E*N1)/L)
29 ... EXA 7.2 1 0 0 233933
      ; EXA(0,1)
30 ... EXA(0,1)
      ; CAL(2)
31 ... CAL(2)
      * FASE 8 MOMENTO EN EJEC EMPOTR EN LA LOSA
      ; CFM (AAA1-0.5E+N1) 0 MP3
32 ... CFM 6.5 0 2.7
      ; CAL(2)
33 ... CAL(2)
      * FASE 9 EXCAVACION HOR DEBAJO SOLERA
      ; EXC(2) (AAA2-0.5E+N2-SOBREXC)
34 ... EXC(2) -1.35
      ; CAL(2)
35 ... CAL(2)
      ^ FASE 10 EJECUCION DE SOLERA
      ; EPA ARRA 1 0 0 ((E*N2)/L)
36 ... EPA -8.6 1 0 0 166169.4
      ; CAL(2)
37 ... CAL(2)
      * FASE 11 MOMENTO EN LA SOLERA
      ; CFM ARRA E MP2
38 ... CFM -8.6 0 0.51
      ; CAL(2)
39 ... CAL(2)
      * FASE 12 SOBRECARGAS HOR DEBAJO SOLERA
      ; WAS(2) (AAA2-0.5E+N2-SOBREXC) -AAA2+0.3E+N2+SOBREXC+MP
40 ... WAS(2) -1.35 2.25
      ; C6s ARRA E MP2
41 ... CFM -8.6 0 -0.71
      ; CAL(2)
42 ... CAL(2)
      * FASE 13 PESO DE TIERRAS SOBRE LA CUBIERTA Y SOBRECARGA
      ; CFS (AAA1-0.5D*N1) 0 MP4
43 ... CFM 6.E 0 4.K5
      ; CAL(2)
44 ... CAL(2)
      ^ FASE 14 SISMO
      ; PSA(1) 0.328 2.191 0 25
45 ... PSA(1) 0.328 2.191 0 25
      ; PSA(2) 0.397 3.000 0 37
46 ... PSA(2) 0.397 3.0E 0 33
      ; PSA(3) 0.475 2.483 0.5 28
47 ... PSA(3) 0.475 2.483 0.5 28
      ; PSA(4) 0.547 2.102 1.5 24
48 ... PSA(4) 0.547 2.102 1.5 24
      ; PSA(5) 0.475 2.483 0.5 28
49 ... PSA(5) 0.475 2.483 0.5 28
      ; PSA(6) 0.547 2.102 3.5 28
50 ... PSA(6) 0.547 2.102 3.5 28
      ; WAS(1) NP 0
51 ... WAS(1) 1 0
      ; WAS(1) CZ ((NP-CZ)*(1+?*XC/E))
52 ... WAS(1) -12.85 14.27752
      ; WAS(2) XAXEXC 0
53 ... WAS(2) -1.85 0
      ; WAS(2) C1 ((XAXEXC-C1)*(1-?*AC/E))
54 ... WAS(2) -12.85 9.899
      ; CAL(2)
55 ... CAL(2)
      ; END
56 ... END
      ; EEA
57 ... EEA
      ; STOP
58 ... STOP
```

```
***** DATA FILE NAME : EJE42.DAT

                                                                    *1012 *
      *PANTALLA MODELO 42. UIC-2.EXC. SITUACION HIPOTETICA EXCESIVA.
      *CARACTERISTICAS PANTALLA
      $E = 2900000
      $CAMIO = 0.65
      $INERCIA = (CAMIO*3/32)
      $EI = ($E*INERCIA)
      $ENHORMIGON = 1.80
      *$AC = 0.164
      $ENCPANT = 3.00
      $ESCARAC = 0.30
      *CODIAS EXCAVACION
      $CE = 0.65
      $CS = 0.40
      $ENC = 1.08
      $CX = (ENC - ENPOTRAS)
      $YE = CI-3.2
      *NIVELES DE ANCLAJES/EMPOTRAMIENTO
      $ANCHET = (CS + 3.55)
      $ZH = 6.80
      $ANA1 = (CS - 0.40)
      $ANA2 = (CS - 3.80)
      $L = 8.95
      $N1 = 0.50
      $N2 = 0.30
      *CARGAS A CONSIDERAR
      *SOBRECARGAS SC1 = TIERRAS, SC2 = CARRETERA, SC3 = EDIFICACIONES
      *MF1 MOMENTO DE LA CORTINA, MF2 MOMENTO SOBRE, MF3 MOMENTO SUSPENSIONES
      *MF4 CM Y SC CORTINA
      $SC1 = 0.30
      $SC2 = 1.00
      $SC3 = 3.00
      $MF1 = 2.70
      $MF2 = 0.36
      $MF3 = -4.83
      $MF4 = 1.85
      ; CS
1 ... P.4
      ; CI 0.80
2 ... 6.8 0
      ; CI 2C
3 ... -3 133333.3
      ; CE
4 ... 6.8
      *EMPUJEMO ANTROPICO
      : (CE-2.48) 2.88 1.08 0 0 0 0.80 25.00 0 0.333 3808 0.
5 ... 6.4 2 1 0 0 0 33 0 0.333 3808 0
      *ARENAS MEDIAS LIMOSAS
      ; (CS-33.7) 2.35 1.15 0 0 0 0 0.80 33.08 0 0.333 3808 0
6 ... -8.9 2.19 1.15 0 0 0 0 33 0 0.333 3808 0
      *LIMOS ARENOSOS Y ARENAS MUY FINAS LIMOSAS
      ; (CS-14.8) 2.65 1.05 0 0 0 0 0.58 28.88 0 0.333 3808 0.
7 ... -2.1 2.85 1.05 0 0 0 0.5 28 0 0.333 3808 0
      *LIMOS Y LIMOS ARCILOSOS
      ; (CE-16.58) 2.68 1 0 0 0 0 1.5 24 0 0.333 3808 0
8 ... -9.7 2 1 0 0 0 0 1.5 24 0 0.333 3808 0
      *LIMOS ARENOSOS Y ARENAS MUY FINAS LIMOSAS
      *(CT-23.28) 2.82 1.08 0 0 0 0 0.58 28.88 0 0.333 3808 0
      *LIMOS Y LIMOS ARCILOSOS
      *(CS-26.88) 2.80 1.08 0 0 0 0 1.5 24 0 0.333 3808 0
      ; MF 6.5
9 ... 1.6 0.5
      *ENRASO TRATADO EMPARROS ENRAJO SOLERA
      *SOI(2) (CE-2.48)
      *(CT-4.88) 2.15 1.15 0 0 0 0 36.05 20 0 0.33 38667
      ^ FASE 3 PRIMERA EXCAVACION
      ; ENC(2) ENCPANT
10 ... ENC(3)  3
      ; CAL(3)
11 ... CAL(2)
      * FASE 2 SOBRECARGA EN LAS TIERRAS
      ; SUR(1) CE 0.88 1808 SC1
12 ... SUR(1)  6.8 0 1888 0.5
      ; CAL(2)
13 ... CAL(2)
      ^ FASE 2 SOBRECARGA EN TRAFICO Y EDIFICACIONES
      ; SUR(1,1) CE 0.5 1808 SC2
14 ... SUR(1,1)  6.8 0 1840 1
      ; SUR(1,1) CE 7.08 22.88 SC3
15 ... SUR(1,1)  6.8 7 22 2
      ; CAL(2)
16 ... CAL(2)
      * FASE 4 EJECUCION PANTALLA METALICOS
      ; ETA AAAAHE 1 0 0 ((EP4*EA0.824)/(2.28*IM*LH*EM*LM))
17 ... ETA 5.25 1 0 0 21882.92
      ; CAL(2)
18 ... CAL(2)
      ^ FASE 5 EXCAVACION PANTALLA
      ; EXC(1) EE
19 ... INE(1)  333733.3
      ; CAL(2)
20 ... CAL(2)
      * FASE 6 EJECUCION DE CORTINAS RETIRADA PUNTAL
      ; ETA AAA1 1 0 0 ((EP*N1)/L)
21 ... ETA 8 1 0 0 837165.6
      ; ETA(8,1)
22 ... ETA(8,1)
      ; CAL(2)
23 ... CAL(2)
      * FASE 7 AUMENTO DE PESO PROPIO DE LA LOSA
      ; CPM (AAA1-0.35*H1) 0 MF1
```

```
24 ... CPM 6.4 0 2.7
       ; CAL(2)
25 ... CAL(2)
       * FASE 8 EXCAVACION SOB ENRAJO SOLERA
       ; EXC(2) (EAA2-0.38*H2-SOLERENC)
26 ... EXC(2)  0.53
       ; CAL(2)
27 ... CAL(2)
       * FASE 9 EJECUCION DE SOLERA
       ; ETA AAA3 1 0 0 ((P*H3)/L)
28 ... ETA 3.4 1 0 0 27437.18
       ; CAL(2)
29 ... CAL(2)
       * FASE 10 AUMENTO DE LA SOLERA
       ; CPM EAA2 0 MF2
30 ... CPM 3.4 0 0.36
       ; CAL(2)
31 ... CAL(2)
       ^ FASE 11 PESO DE TIERRAS SOBRE LA CORTINATA Y SOBRECARGA
       ; CPM (AAA1-0.38*H1) 0 MF4
32 ... CPM 8.6 0 1.85
       ; CAL(2)
33 ... CAL(2)
       ^ FASE 12 SISMO
       *EEA(1) 8.328 2.191 0 25
       *EEA(2) 8.267 3.880 0 33
       *EEA(3) 8.475 2.483 8.5 28
       *EEA(4) 8.347 2.108 1.5 24
       *EEA(5) 8.475 2.483 8.5 32
       *EEA(6) 8.347 2.108 1.5 23
       *MAS(1) MF 8
       *MAS(2) CI ((MF-CI)*(1+7*AC/2))
       *MAS(2) MF 8
       *MAS(2) CI ((MF-CI)*(1-7*AC/2))
       *CAL(2)
       ; EVE
34 ... EVE
       ; EEA
35 ... EEA
       ; SIGP
36 ... SIGP
```

```
***** DATA FILE NAME : ZMT63.DTO

                                                                    *101L *
     *ANCHURA MODULO 43. GIC-2.2A3. SITUACION KILOMETRICA ZARZARA.
     *CARACTERISTICAS PANTALLA
     $E = 2500000
     $CANTO = 0.25
     $INERCIA = (CANTO**3/12)
     $E1 = (E*INERCIA)
     $MPOTALM = 6.06
     *$AC = 0.384
     $ENCEXEV = 3.88
     $ENCEXNC = 0.38
     *COTAS EXCAVACION
     $CE = 7.88
     $CS = 13.45
     $ENC = 5.38
     $C1 = (ENC - TEMPORAL)
     $MT = C3-6.45
     *NIVELES DE ARRIOSTRAMIENTO
     $ANCHOE = (CT - 6.50)
     $LM = 5.88
     $ANA1 = (CE - 8.48)
     $ANA2 = (CS - 8.55)
     $L = 9.95
     $E1 = 0.28
     $E2 = 0.38
     *CARGAS A CONSIDERAR.
     *SOBRECARGAS SC1 = ZIMBRAS, SC2 = CARRETERA, SC3 = NOTIFICACIONES
     *ME1 MOMENTO EN PP CORTINA, ME2 MOMENTO SOBRE, ME3 CM Y SC CORTINA
     $SC1 = 0.18
     $SC2 = 1.88
     $SC3 = 2.89
     $ME1 = 2.78
     $ME2 = 6.29
     $ME3 = 6.85
     ; CE
1 ... 13.45
     ; CS E.88
2 ... 7.8 E
     ; CS EE
3 ... -3.5 123733.3
     ; CE
4 ... 7.5
     *RELLENO ANTROPICO
     ; (CT-2.88) 2.88 1.88 0 0 0 0.88 25.88 E 0.333 2800 E.
5 ... 5.4 3 3 E 0 0 0 25 E 0.333 2600 E
     *ARENAS MEDIAS LIMOSAS
     ; (C3-13.71 2.35 1.15 E 0 0 0 0.88 33.88 E 0.333 5800 E
6 ... -7.9 2.15 1.35 E 0 0 0 0 35 E 0.333 5800 E
     *LIMOS ARENOSOS Y ARENAS MUY FINAS LIMOSAS
     ; (C1-16.9) 2.85 1.83 0 0 0 0.58 28.88 E 0.333 5800 E.
7 ... -7.1 2.85 1.85 E 0 0 0.5 28 E 0.333 5888 E
     *LIMOS Y LIMOS ARCILLOSOS
     ; (C1-16.58) 2.88 1 0 0 0 1.5 24 E 0.333 5888 E
8 ... -8.2 2 3 E 0 0 1.2 26 E 0.333 5898 E
     *LIMOS ARENOSOS Y ARENAS MUY FINAS LIMOSAS
     *(C3-23.28) 2.85 1.85 E 0 0 0.58 33.88 E 0.333 5800 E
     *LIMOS Y LIMOS ARCILLOSOS
     *(C7-26.88) 2.88 1.88 E 0 0 1.5 24 E 0.333 5888 E
     ; MT E.5
9 ... 1.33 E.5
     *TERRENO TRATADO INFERIOR BERMA SOLERA
     *SOF(2) (C7-2.48)
     *(C1-4.88) 2.15 1.15 E 0 E 26.83 3E E 0.33 28667
     * FASE 3 PRIMERA EXCAVACION
     ; ENC(2) ENCEXEV
10 ... EXC(2)  3
     ; CAL(2)
11 ... CAL(2)
     * FASE 2 SOBRECARGA EN LAS ZIMBRAS
     ; SOB(1) CE E.EE 1888 SC2
12 ... SOB(1)  7.8 E 1888 E.1
     ; CAL(2)
13 ... CAL(2)
     * FASE 3 SOBRECARGA EN TRAFICO Y NOTIFICACIONES
     ; SOB(1,1) CS E.E 1888 SC2
14 ... SOB(1,2)  7.8 E 3888 1
     ; SOB(1,1) (C3-E.35) 9.8E 24.8E SC3
15 ... SOB(1,3)  7.83 5 24 3
     ; CAL(2)
16 ... CAL(2)
     * FASE 4 EJECUCION PUNTALES METALICOS
     ; ESA ANAEST 1 0 E (2E4*E*E.834)/(2.38*LM*LM*LM*ZM)
17 ... ESA 7.8 1 E E 11883.82
     ; CAL(2)
18 ... CAL(2)
     * FASE 5 EXCAVACION PANTALLA
     ; EXC(1) EE
19 ... TWE(1)  122733.3
     ; CAL(2)
20 ... CAL(2)
     * FASE 6 EJECUCION DE CORTINA ENTIBADA PUNTAL
     ; ESA ANA1 1 0 0 (CM*23)/2
21 ... ESA 11.85 1 E E 233165.2
     ; ESA(0,1)
22 ... ESA(0,1)
     ; CAL(2)
23 ... CAL(2)
     * FASE 7 MOMENTO DE PESO PROPIO DE LA LOSA
     ; COS (ANA3-E.38*81) E ME3
24 ... CPM 18.63 E 2.7
     ; CAL(3)
```

```
25 ... CAL(3)
     * FASE 8 EXCAVACION POR DEBAJO SOLERA
     ; ENC(2) (ANA2-E.58*82-SOBRENC)
26 ... ENC(2)  2.2
     ; CAL(2)
27 ... CAL(2)
     * FASE 9 EJECUCION DE SOLERA
     ; ESA ANA2 1 E E ((E*82)/2)
28 ... ESA 2.2 1 E E 27423.18
     ; CAL(2)
29 ... CAL(2)
     * FASE 10 MOMENTO DE LA SOLERA
     ; CPM ANA2 E ME2
30 ... CPM 2.2 E E.22
     ; CAL(2)
31 ... CAL(2)
     * FASE 11 PESO DE ZIMBRAS SOBRE LA CORTINA Y SOBRECARGA
     ; CPM (ANA1-E.38*81) E ME3
32 ... CPM 30.63 E 4.35
     ; CAL(2)
33 ... CAL(3)
     * FASE 12 SIGMA
     *ELA(15) E.328 2.351 E 25
     *ELA(2) E.397 3.838 E 32
     *ELA(3) E.475 2.483 E.5 28
     *ELA(4) E.547 2.182 3.5 24
     *ELA(5) E.675 2.482 E.5 28
     *ELA(6) E.567 2.182 3.5 28
     *MAX(E) MF E
     *MAX(1) CS ((MF-CS)*(1+3*AC/E))
     *MAX(2) MF E
     *MAX(25 CS ((MF-CS)*(1-3*AC/E))
     *CAL(2)
     ; END
34 ... END
     ; STA
35 ... STA
     ; SSOP
36 ... SSOP
```

```
^^^^^ BASE FILE NAME : INT44.BIG
                                                                    *1D1E *
      *PANTALLA MODULO 44. UIC-2.3N4. SITUACION ESTATICA ERATARA.
      *CARACTERISTICAS PANTALLA
      $B = 2500000
      $CANTO = 0.80
      $INERCIA = ($CANTO**3/12)
      $EI = ($E*$INERCIA)
      $EMPOTRAM = 0.00
      *$AC = 8.184
      $ENCEPREV = 6.00
      $SOLERAC = 6.50
      *COTAS EXCAVACION
      $CY = 3.80
      $CZ = 18.40
      $ANC = 4.60
      $CZ = ($ANC - $EMPOTRAM$
      $MT = CZ-5.28
      *MUNECAS DE ANCLAJES$TRAMOCENTRO
      $ANCHOZ = (CZ - 0.60)
      $LM = 6.00
      $ANAL = (CZ - 8.40)
      $ANAB = (CZ - 9.75)
      $L = 10.20
      $M1 = 6.00
      $M2 = 6.38
      *CARGAS Á CONSIDERAR
      *SOBRECARGAS SC3 - TIERRAS, SC7 - CIMENTERA, SC2 - EDIFICACIONES
      *MP1 MOMENTO EN PZ CORTANTE, MP2 MOMENTO SOLERA, MP3 CM Y SC CORTANTE
      $SC3 = 8.18
      $SC2 = 1.08
      $SC7 = 3.08
      $MP1 = 2.78
      $MP2 = 8.32
      $MP3 = 6.85
      ; CZ
1 ... 12.4
      ; CZ 6.80
2 ... 7.2 0
      ; CZ EZ
3 ... -3.72 123733.3
      ; CZ
4 ... 7.3
      *EXCLUMO ANCLADO
      ; (CZ-2.60) 2.00 1.00 0 0 0 0.00 25.00 0 0.333 3000 0.
5 ... 5.4 2 1 2 0 0 0 12 0 0.333 3000 0
      *ARENAS ARENAS LIMOSAS
      ; (CZ-13.7) 2.15 1.15 0 0 0 0.00 33.00 0 0.333 3000 0
6 ... -5.7 2.15 1.15 0 0 0 0 32 0 0.333 3000 0
      *LIMOS ARENOSOS Y ARENAS MUY FINAS LIMOSAS
      ; (CZ-14.5) 2.05 1.05 0 0 0 0.50 25.00 0 0.333 3000 0.
7 ... -1.1 2.05 1.05 0 0 0 0 0.5 25 0 0.333 3000 0
      *LIMOS Y LIMOS ARCILLOSOS
      ; (CZ-16.35) 2.00 1 0 0 0 0 1.5 25 0 0.333 3000 0
8 ... -8.7 2 1 0 0 0 0 1.5 26 0 0.333 3000 0
      *LIMOS ARENOSOS Y ARENAS MUY FINAS LIMOSAS
      *(CZ-22.20) 2.05 1.05 0 0 0 0 0.50 25.00 0 0.333 3000 0
      *LIMOS Y LIMOS ARCILLOSOS
      *(CZ-26.00) 2.00 1.00 0 0 0 0 1.5 26 0 0.333 3000 0
      ; MP 8.5
9 ... 2 0.3
      *ESTAMPO ARAIARO INTERIOR HORMIGON SOLERA
      *SOL(2) (CZ-7.40)
      *(CZ-4.00) 2.15 1.15 0 0 0 0 36.85 38 0 0.33 28667
      * FASE 1 PRIMERA EXCAVACION
      ; EXC(2) EXCPREV
10 ... EXC(2) 6
      ; CAL(2)
11 ... CAL(2)
      * FASE 2 SOBRECARGA EN LAS TIERRAS
      ; SUB(1) CZ 0.00 1000 SC1
12 ... SUB(1) 7.2 0 1000 0.2
      ; CAL(2)
13 ... CAL(2)
      * FASE 3 SOBRECARGA DE GRAFICO Y EDIFICACIONES
      ; SUB(1,1) CZ 0.0 1000 SC2
14 ... SUB(1,1) 7.2 0 1000 1
      ; SUB(1,1) (CZ+0.63) 0.00 23.00 SC2
15 ... SUB(1,1) 8.41 0 23 2
      ; CAL(2)
16 ... CAL(2)
      * FASE 4 EJECUCION PANTALLAS METALICOS
      ; SUB ARRAMS 1 0 0 ((1E34*2*0.836)/(0.50*LM*LM*LM*LM))
17 ... SUA 7.2 1 0 0 13685.91
      ; CAL(2)
18 ... CAL(2)
      * FASE 5 EXCAVACION PANTALLA
      ; EXC(1) EI
19 ... EXC(1) 123733.3
      ; CAL(2)
20 ... CAL(2)
      * FASE 6 EJECUCION DE CUBIERTA ANCLADAS PUNTAL
      ; SUA ARA1 1 0 0 ((M*M1)/E)
21 ... SUA 12 1 0 0 837451
      ; SUA(2,1)
22 ... SUA(2,1)
      ; CAL(2)
23 ... CAL(2)
      * FASE 7 AUMENTO DE PESO PROPIO DE LA LOSA
      ; CPM (ARA1-8.50*M1) 0 MP1
24 ... CPM 11.6 0 2.7
      ; CAL(2)
25 ... CAL(2)
      * FASE 8 EXCAVACION POR DEBAJO SOLERA
      ; EXC(2) (ARA2-F.SB*AE-SOBRANC)
26 ... EXC(2) 6
      ; CAL(2)
27 ... CAL(2)
      * FASE 9 EJECUCION DE SOLERA
      ; SUA ARA2 1 0 0 ((E*E2)/L)
28 ... SUA 6.65 1 0 0 85254.12
      ; CAL(2)
29 ... CAL(2)
      * FASE 10 MOMENTO EN LA SOLERA
      ; CPM ARA2 0 MP2
30 ... CPM 6.65 0 8.32
      ; CAL(2)
31 ... CAL(2)
      * FASE 11 PESO DE TIERRAS SOBRE LA CUBIERTA Y SOBRECARGA
      ; CPM (ARA1-8.50*M1) 0 MP3
32 ... CPM 11.6 0 4.35
      ; CAL(2)
33 ... CAL(2)
      * FASE 12 SISMO
      *FLA(1) 0.332 2.101 0 25
      *FLA(2) 0.332 2.101 0 33
      *FLA(3) 0.525 2.422 0.5 25
      *FLA(4) 0.347 2.101 0.5 26
      *FLA(5) 0.453 2.483 0.5 25
      *FLA(6) 0.547 2.101 1.5 25
      *MAX(1) MZ 0
      *MAX(3) CZ ((MF-CZ)*(1+3*AC/E))
      *MAX(2) MF 0
      *MAX(2) CZ ((MF-CZ)*(1-3*AC/E))
      *CAL(2)
      ; ZMO
34 ... ZMO
      ; EFA
35 ... EFA
      ; $TOP
36 ... $TOP
```

1.4.COMPROBACIÓN DE CODALES Y VIGA DE ATADO

Se adjuntan a continuación las salidas de resultados con la comprobación de la viga de atado y de los codales metálicos HEB-300 bajo su peso propio y la reacción máxima de la pantalla, si bien se pueden utilizar otros acodalamientos que deberan comprobarse con la reacción que transmite la pantalla a dichos codales.

Todas las comprobaciones realizadas verifican la validez de la solución adoptada.

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AVE BARCELONA
PUNTALES METALICOS Y VIGA ATADO
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*****************************
*     STRUCTURAL - DATA     *
*****************************

Project title      :  PUNTALES METALICOS Y VIGA ATADO
```

J O I N T D A T A : (14 Joints)

Joints	X [M]	Y [M]	Z [M]	Supports V XYZ	Supports R XYZ	Specialities
1	0.00000	0.00000	0.00000	BBB	BFB	
2	6.00000	0.00000	0.00000	FFB	FFF	
3	12.00000	0.00000	0.00000	FFB	FFF	
4	18.00000	0.00000	0.00000	FFB	FFF	
5	24.00000	0.00000	0.00000	FFB	FFF	
6	30.00000	0.00000	0.00000	FFB	FFF	
7	36.00000	0.00000	0.00000	BBB	BFB	
8	0.00000	17.35000	0.00000	BBB	BFB	
9	6.00000	17.35000	0.00000	FFB	FFF	
10	12.00000	17.35000	0.00000	FFB	FFF	
11	18.00000	17.35000	0.00000	FFB	FFF	
12	24.00000	17.35000	0.00000	FFB	FFF	
13	30.00000	17.35000	0.00000	FFB	FFF	
14	36.00000	17.35000	0.00000	BBB	BFB	

B A R D A T A : (17 bars)

Bar	Incidences Start	Incidences End	Length [M]	CS-Name (haunched)	Hinges start	Hinges end	Specialities
1	1	2	6.00000	80X80			oS
2	2	3	6.00000	80X80			oS
3	3	4	6.00000	80X80			oS
4	4	5	6.00000	80X80			oS
5	5	6	6.00000	80X80			oS
6	6	7	6.00000	80X80			oS
7	9	2	17.35000	HEB-300			oS
8	10	3	17.35000	HEB-300			oS
9	11	4	17.35000	HEB-300			oS
10	12	5	17.35000	HEB-300			oS
11	13	6	17.35000	HEB-300			oS
12	8	9	6.00000	80X80			oS
13	9	10	6.00000	80X80			oS
14	10	11	6.00000	80X80			oS
15	11	12	6.00000	80X80			oS
16	12	13	6.00000	80X80			oS
17	13	14	6.00000	80X80			oS

oS = Bars without shear deformation

CROSS SECTION VALUES:

CS-Name	Ax [M2] / Ix [M4] / zl [M1]	Iy [M4] / Fy [M2] / zu [M1]	Iz [M4] / Fz [M2] / yl [M1]	Phi [Degr] / yr [M1]
80X80	6.4000E-01	3.4133E-02	3.4133E-02	0.00
	5.7617E-02	6.4000E-01	6.4000E-01	
	-0.4000	0.4000	-0.4000	0.4000
HEB-300	1.4907E-02	2.5160E-04	8.5642E-05	0.00
	1.4625E-06	1.4907E-02	1.4907E-02	
	-0.1500	0.1500	-0.1500	0.1500

MATERIAL PROPERT. :

Bar (to bar)	E-Modulus [KN/ M2]	Shear-M [KN/ M2]
1 .. 6	2.9000E+07	1.2100E+07
7 .. 11	2.1000E+08	8.1000E+07
12 .. 17	2.9000E+07	1.2100E+07

STS-Run ok

Load case 1: PESO PROPIO PERFILES

Loadtype	Value(a)	Distanc Value(b)	Joint -/member numb
Mas.forcZ gl const.	-78.500		Stab 7 .. 11

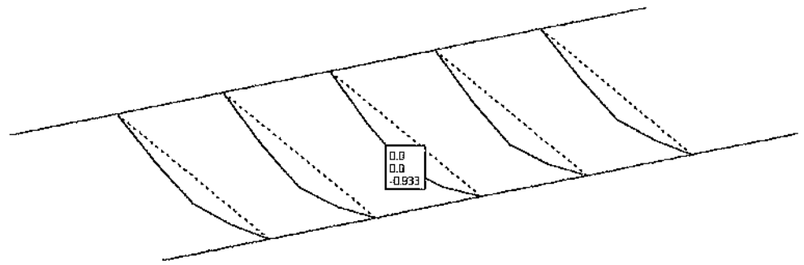
Load case 2: REACCIONES MAXIMAS PANTALLA

Loadtype	Value(a)	Distanc Value(b)	Joint -/member numb
Force Y gl const.	10.000		Stab 1 .. 6
Force Y gl const.	-10.000		Stab 12 .. 17

LOADING: 'DEFORMACIONES PERFILES'

Loadcase	Factor	Stage	Init.def	Title
1	1.0000			PESO PROPIO PERFILES

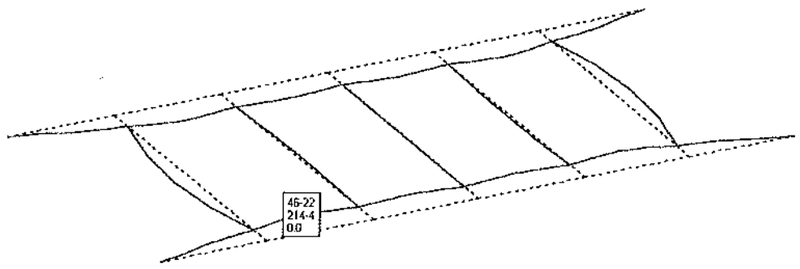
Scale 1:241.5
Deformed structure, Loadcase 1 (DEFORMACIONES PERFILES), Subsys. "ALL"
- Structure: Elmnts.
- Displacements, Scale: 2.0E2
- V-Max , Text: Vx,Vy,Vz [CM]



LOADING: 'DEFORMACIONES VIGA ATADO'

Loadcase	Factor	Stage	Init.def	Title
2	1.0000			REACCIONES MAXIMAS PANTALLA

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- Displacements, Scale: 1.0E4
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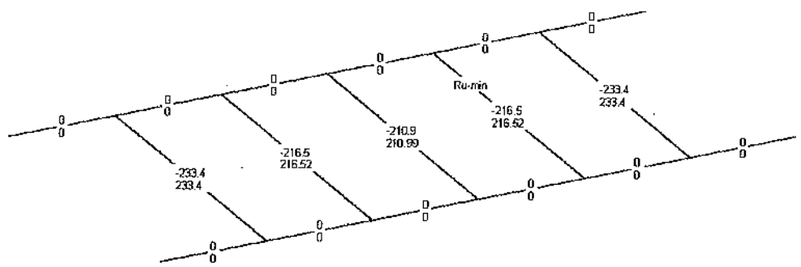


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ENVELOPE SPECIFIC.: AA 'ELU RARA'

Group	Spec.	Loadcase	Factor	Stage	Title
A	PERM.	1	1.500		PESO PROPIO PERFILES

Scale 1:241.5
Extreme stresses envel. -A, GWSP AA (ELU RARA), Subsys. "ALL"
- Structure: Elmnts.
- Extr.str.fr (z-y+)min., Scale 1.00E-02
  min: 0.00E+00 max: 0.00E+00 [kp/cm2]
- Text extreme stress envelope [kp/cm2]



LOADING: 'Dead loads'

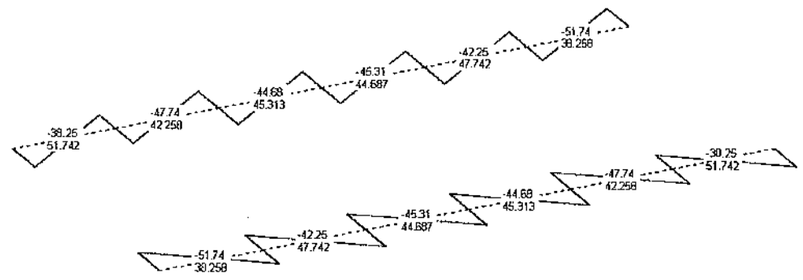
Loadcase	Factor	Stage	Init.def	Title
2	1.0000			REACCIONES MAXIMAS PANTALLA

SPECIFICATINS DESIGN ENVELOPE File:SDSTD, 'Design'

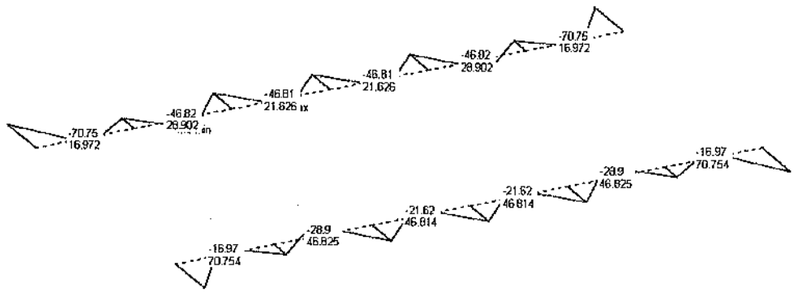
Load group		Char.Actions	Factor	File
	1	Dead loads	1.500	(SDESTD)
OR				
	2	Dead loads	1.500	(SDESTD)

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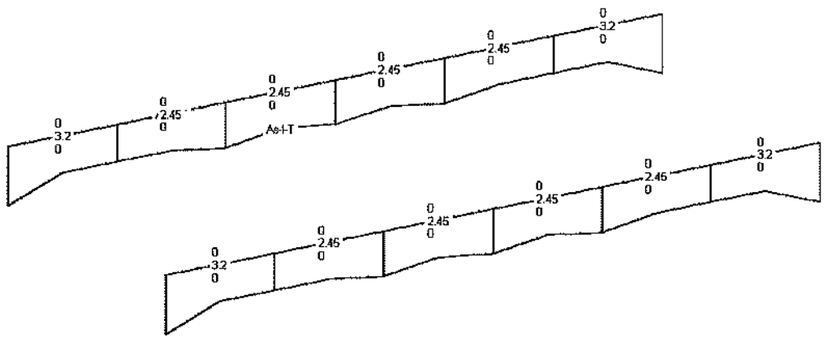
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- Envelope Shear force Vy-min, Scale 5.00E-02
  min: -5.17E+01 max: 5.17E+01 [kN]
- Envelope Shear force Vy-max, Scale 5.00E-02
  min: -5.17E+01 max: 5.17E+01 [kN]
- Text envelopes [kN]



Scale 1:280.7
Int. Forces envelope Mz, Design, Subsys. "LIST"
- Structure: Elmnts.
- Envelope Moment Mz-min, Scale 5.00E-02
  min: -7.08E+01 max: 7.08E+01 [kNm]
- Envelope Moment Mz-max, Scale 5.00E-02
  min: -7.08E+01 max: 7.08E+01 [kNm]
- Text envelopes [kNm]



Scale 1 :241.5
Calcul. As, , Subsys. "LIST"
- Structure: Elmnts.
- Longit.reinf As-upper-tot , Scale 1.00E+00
  min: 0.00E+00 max: 0.00E+00 [cm2]
- Longit.reinf As-lower-tot , Scale 1.00E+00
  min: 2.00E+00 max: 3.20E+00 [cm2]
- Text As-upper, As-lower, As-stirrups-z(y) [cm2/m]



2.CÁLCULO DE PLAXIS

Este cálculo tiene por objeto reflejar las conclusiones que se llegaron una vez analizadas las diferentes alternativas que se estudiaron en el anteproyecto presentado, por lo que se realiza un análisis de comportamiento de la estructura del falso túnel ante las diferentes fases en la que se acomete la ejecución de las obras, con el objeto de ver la evolución de las deformaciones tanto en el suelo como en las pantallas y dilucidar su posible afección a los edificios colindantes. El modelo de cálculo se calibra partiendo de los datos de proyecto y se comprueba que los resultados así obtenidos son similares a lo observado a través de la auscultación.

En este documento, sobre la base de las investigaciones realizadas, se emiten unas conclusiones que recogen la medida de actuación para limitar el avance de las fisuras aparecidas en las fachadas de las edificaciones cuando se realicen las nuevas fases de ejecución de las obras.

La modelización realizada se encuentra en el apéndice número 2 del presente Anejo.

2.1.MODELO DESARROLLADO

2.1.1. EL TERRENO

El terreno está constituido por depósitos deltaicos de compresibilidad elevada en general. En superficie (cota media absoluta +6 m) aparecen rellenos modernos de baja consistencia y una delgada capa de arcilla de baja consistencia. Entre las cotas +2 y -8 m existe un estrato de arenas limosas de granulometría variable y compacidad variable pero con frecuencia aparecen niveles de deformabilidad alta. Por debajo, a partir de la cota -8 m existe un potente estrato de arcillas y limos de consistencia baja-media (consistencia que se incrementa con la profundidad) hasta la cota -34 m. En esta cota aparece un estrato competente de gravas. El nivel freático aparece de forma sistemática entre las cotas +1 y +2 m.

2.1.2. MODELO DE CÁLCULO

Las secciones normales al trazado de la obra, dentro de los PK afectados son esencialmente similares. Se ha elegido, por tanto una sección transversal representativa, aquella que discurre a lo largo de la calle Manuel Bertrand. Esta sección coincide aproximadamente con una sección de instrumentación de las dos pantallas ya ejecutadas de modo que se dispone en ellas de medida de movimientos laterales, mediante inclinómetros.

La sección de cálculo se ha extendido ampliamente a ambos lados de la obra para cubrir con holgura toda la banda de terreno posiblemente afectada. En la Figura 2.1 se reproduce el modelo. Los estratos principales (rellenos, arenas, arcillas y gravas inferiores) se suponen horizontales, como ocurre con poco error en la realidad. El límite inferior (contacto arcillas-gravas) se supone rígido, a efectos mecánicos. En la Figura 2.2 aparece un detalle de los falsos túneles. La conexión pantalla – losa superior se ha materializado mediante rótulas.

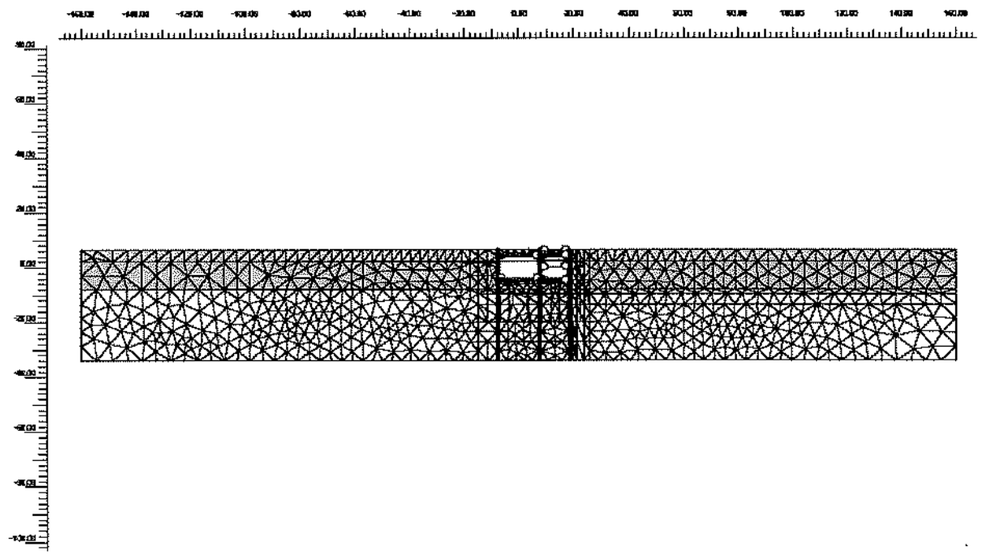


Figura 2.1: Zona considerada en el modelo de cálculo (320.0 m de longitud y 40.5 m de altura)

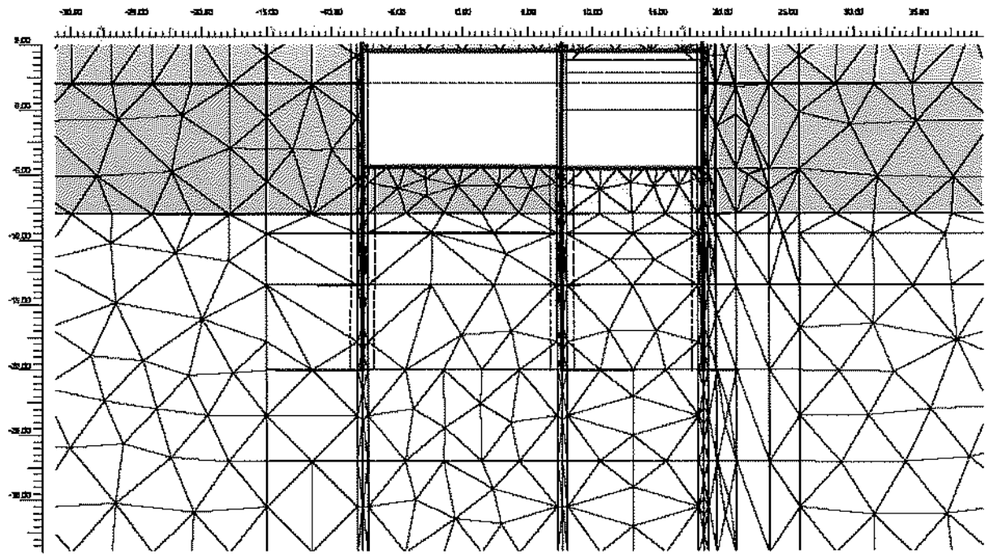


Figura 2.2: Detalle de la zona alrededor de los falsos túneles de la vía IB (izda.) y de la vía UIC.

El cálculo se ha realizado con ayuda del programa Plaxis 2D, versión 8.2.4 con la hipótesis de deformación plana. Todos los estratos se caracterizan mediante un modelo "hardening soil". Los parámetros constitutivos de cada suelo se resumen en la Tabla 2.1.

Estrato	γ	K	E_{50}^{inf}	E_{oed}^{inf}	E_{ur}^{inf}	c'	φ'	ψ	ν_{ur}	p_w	m	K_0^{nc}	R_f
	[kN/m^2]	[m/s]	[kN/m^2]	[kN/m^2]	[kN/m^2]	[kN/m^2]	[º]	[º]	[-]	[kN/m^2]	[-]	[-]	[-]
Relleno	18.0	$1x10^{-4}$	20000	20000	100000	1.0	26.0	0.0	0.20	100	0.7	0.562	0.9
Arenas superiores	20.0	$1x10^{-4}$	48000	48000	240000	1.0	34.0	4.0	0.20	100	0.6	0.441	0.9
Limos y arcillas	19.0	$1x10^{-8}$	8000	8000	40000	1.0	30.0	0.0	0.20	100	0.9	0.500	0.9

Tabla 2.1: Valores de los parámetros básicos y los del modelo "hardening soil" adoptados para los estratos considerados

Los parámetros se han elegido inicialmente a la vista de la información geotécnica disponible. Se ajustaron hasta sus valores definitivos con el criterio de que se reprodujeran las medidas inclinométricas efectuadas en la pantalla central de la obra.

Las etapas de cálculo reproducen lo previsto en proyecto, que coincide con la secuencia de ejecución en la obra efectuada. En la continuación de la obra se han introducido cambios con el objetivo de analizar su influencia sobre los movimientos inducidos en el trasdós de las pantallas exteriores. En la Tabla 2.2 se indica la secuencia de cálculo.

Tabla 2.2: Secuencia de cálculo del proyecto de referencia.

Fase	Descripción
1	Ejecución pantallas 0.80 m en IB
2	Excavación hasta cubierta IB
3	Ejecución vigas Pujol 1.20 m en IB
4	Excavación hasta solera IB y NF a -4.50 m
5	Ejecución solera 1.20 m en IB
6	NF a 2.00 en IB
7	Ejecución pantalla 0.80 m en UIC
8	Excavación hasta cubierta UIC
9	Ejecución placa alveolar 0.80 m en UIC
10	Excavación hasta solera UIC y NF a -4.50 m
11	Ejecución solera 0.80 m en UIC
12	NF a 2.00 en UIC

Estas son las diferentes fases que se recogen el proceso constructivo del proyecto adjudicado. Y cuyo croquis de modelizado se recogen a continuación de cada una de ellas.

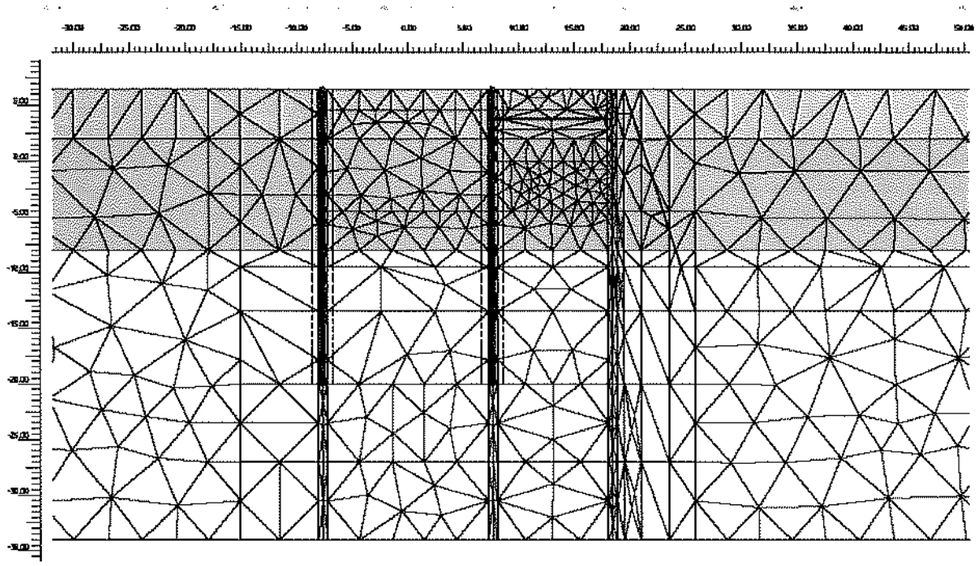


Figura 2.3: Fase 1. Ejecución pantallas 0.80 m en IB.

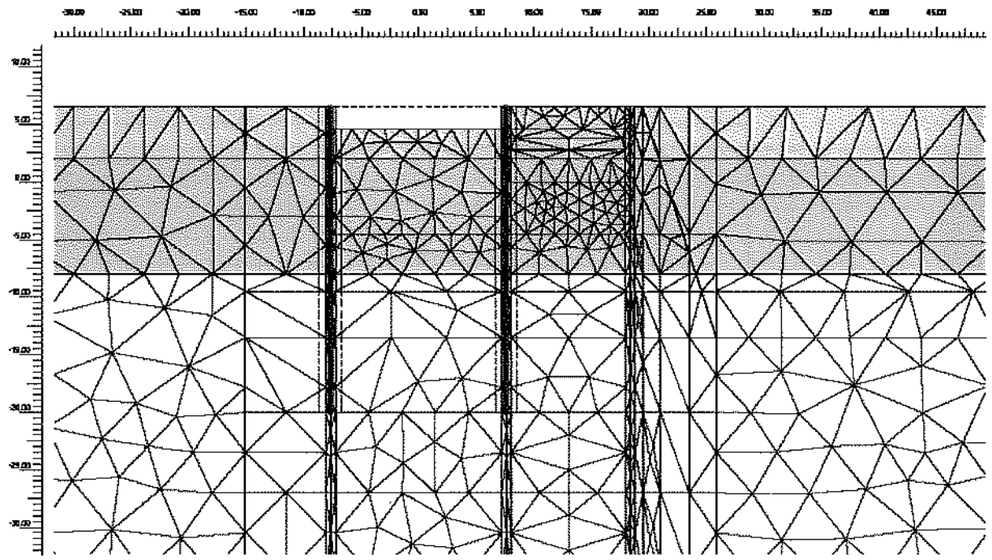


Figura 2.4: Fase 2. Excavación hasta cubierta IB.

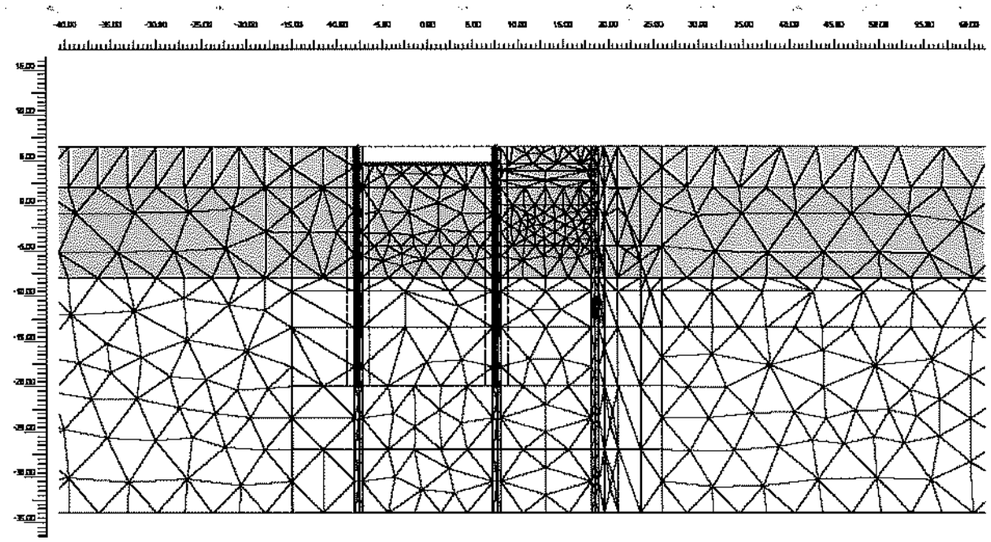


Figura 2.5: Fase 3. Ejecución vigas Pujol 1.20 m en IB

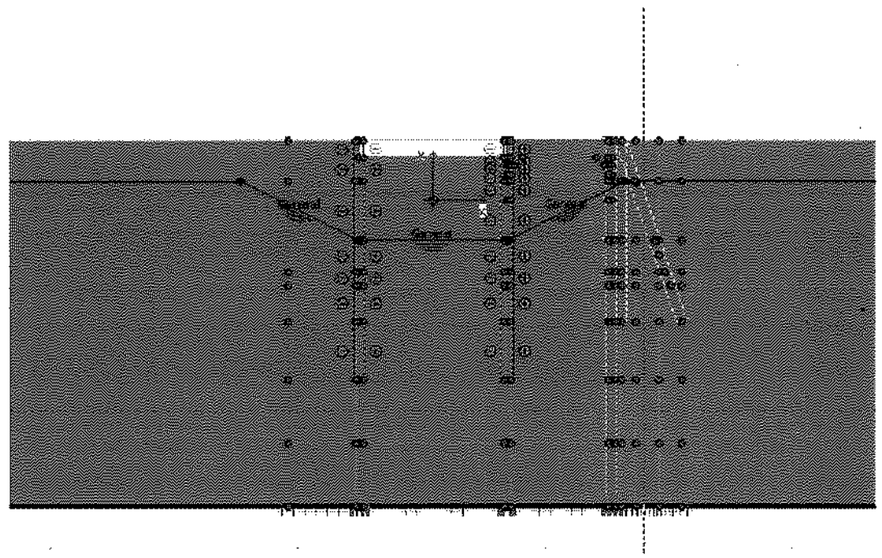


Figura 2.6: Fase 4.1. Agotamiento del Nivel freático (NF) a -4.50 m lado IB

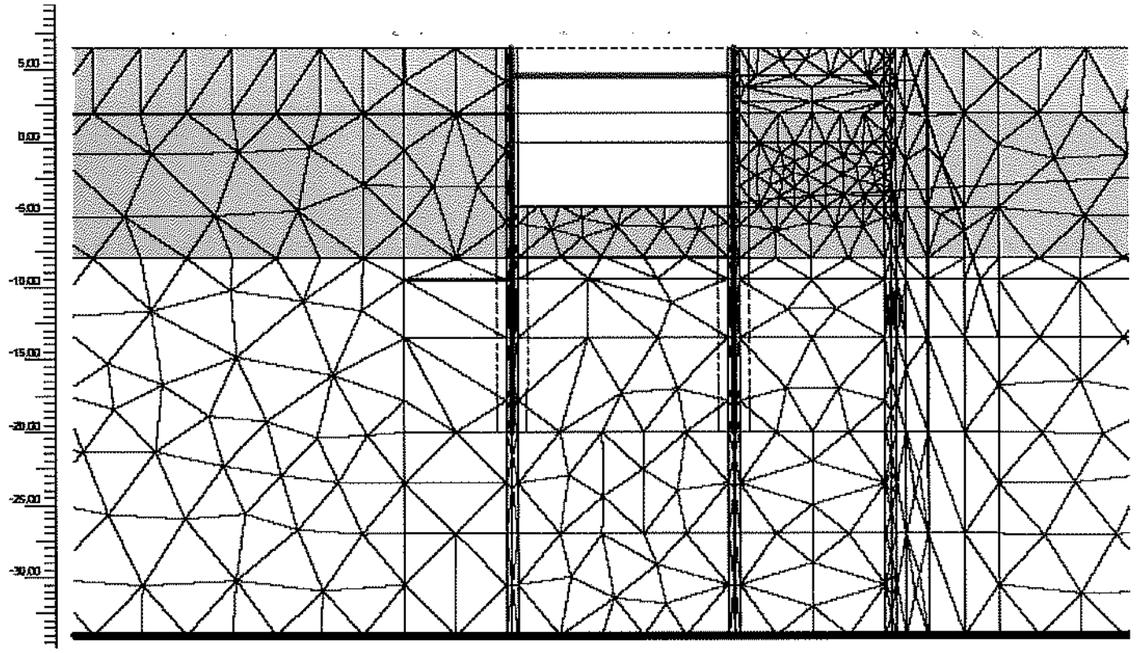


Figura 2.7: Fase 4.2. Excavación hasta solera IB cota -4.50 m

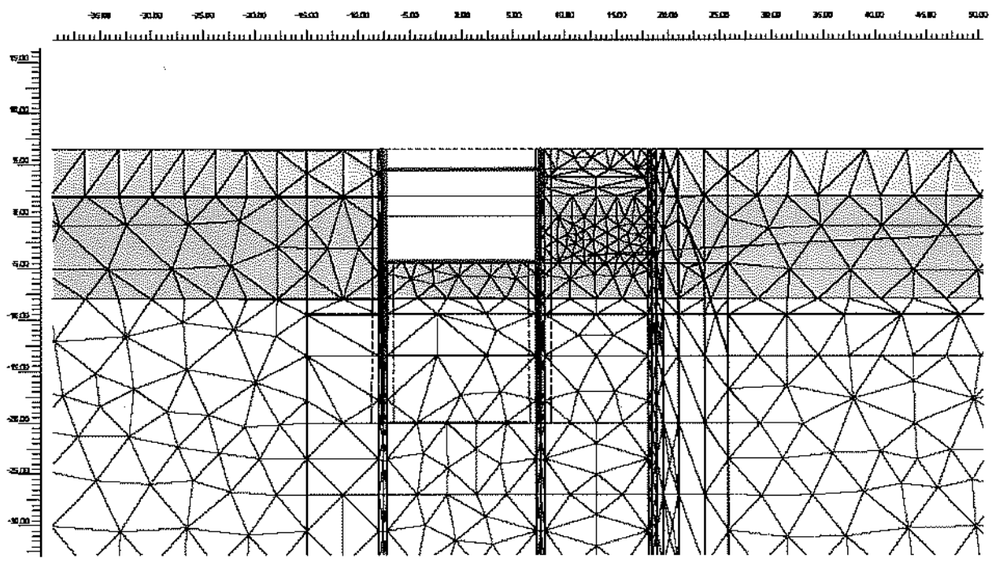


Figura 2.8: Fase 5. Ejecución solera 1.20 m en IB

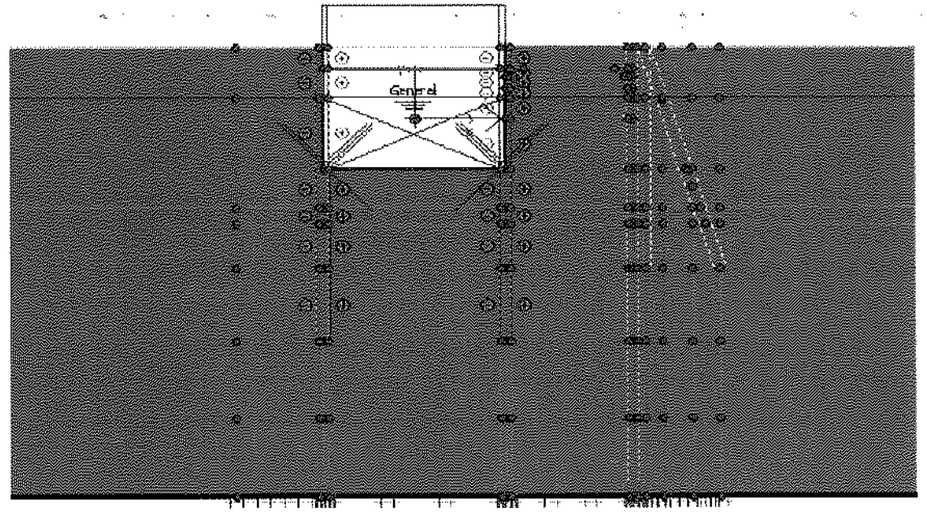


Figura 2.9: Fase 6. Subida del NF a 2.00 en IB

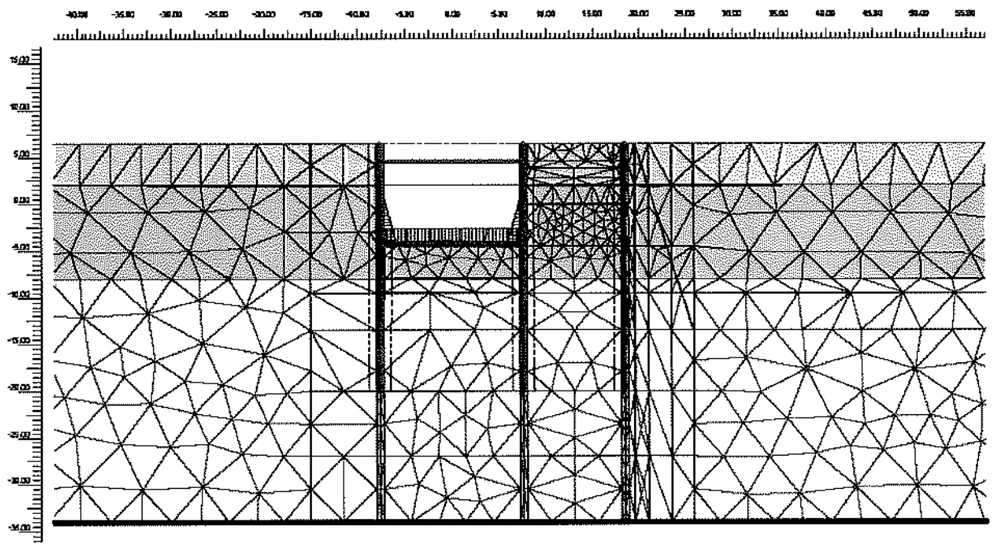


Figura 2.10: Fase 7. Ejecución pantalla 0.80 m en UIC

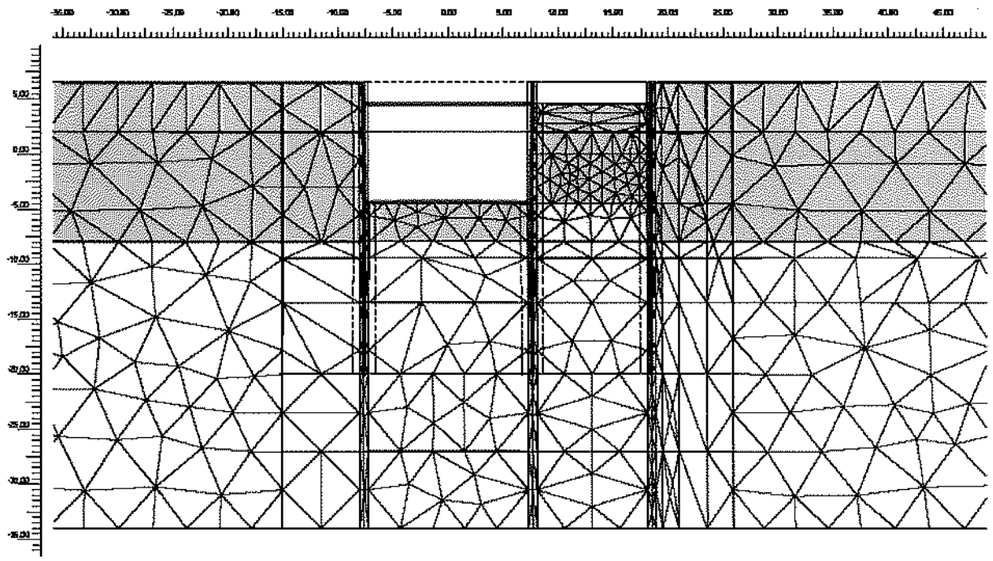


Figura 2.11: Fase 8. Excavación hasta cubierta UIC

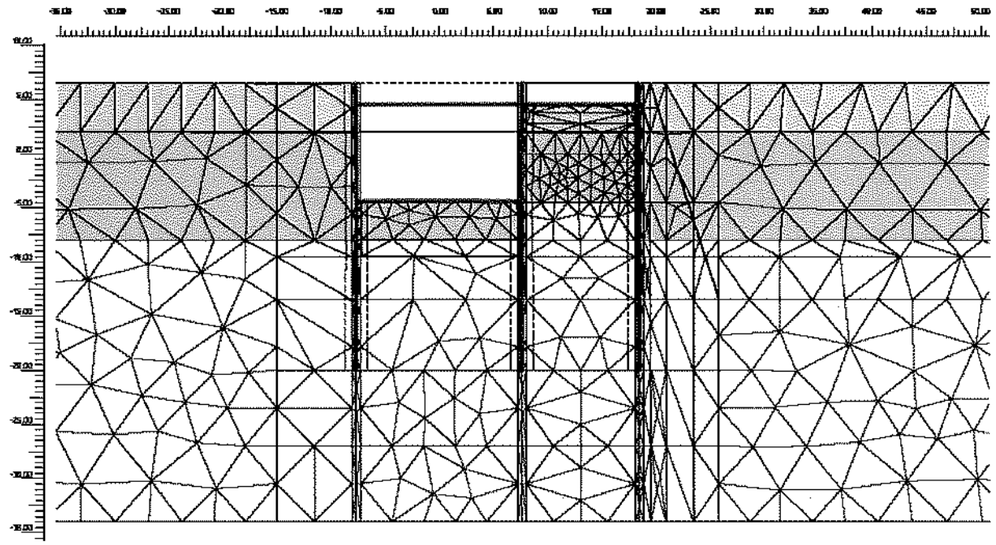


Figura 2.12: Fase 9. Ejecución placa alveolar 0.80 m en UIC

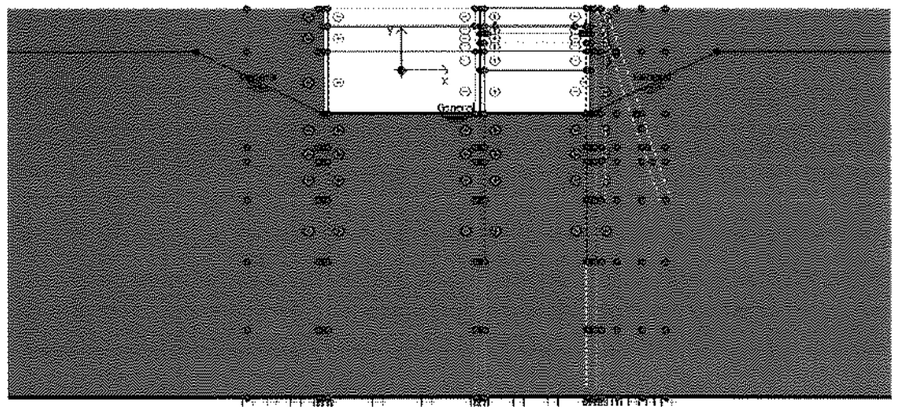


Figura 2.13: Fase 10.1. Agotamiento del Nivel freático (NF) a -4.50 m lado UIC

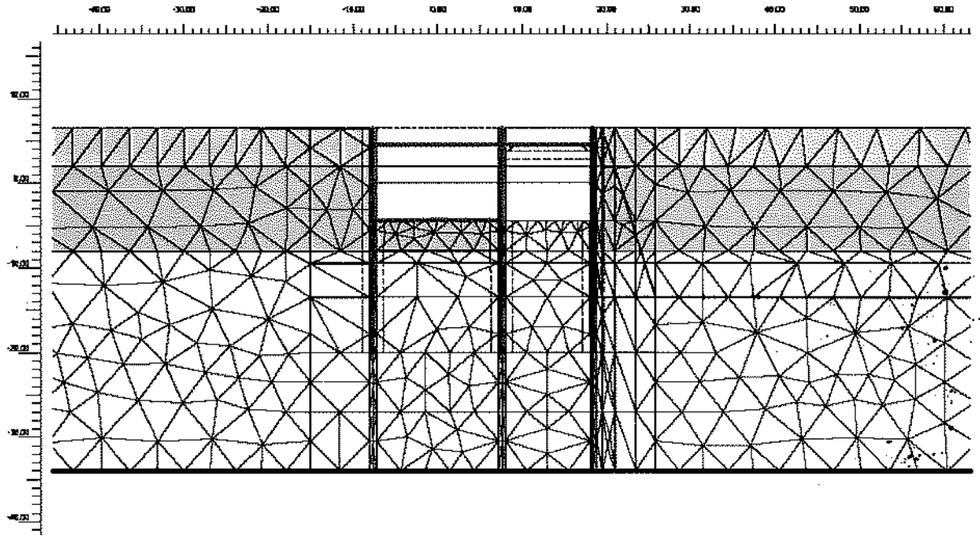


Figura 2.14: Fase 10.2. Excavación hasta solera UIC cota -4.50 m

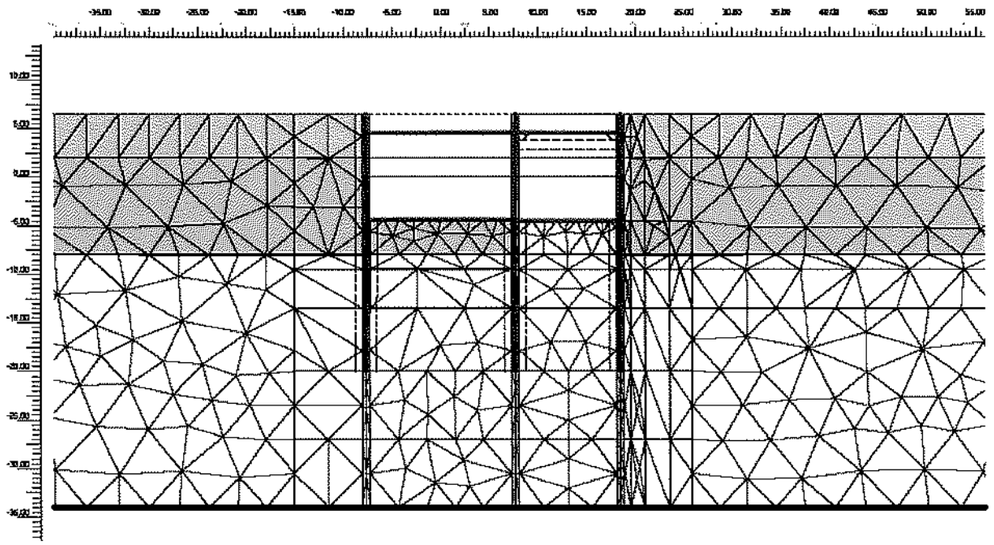


Figura 2.15: Fase 11. Ejecución solera 0.80 m en UIC

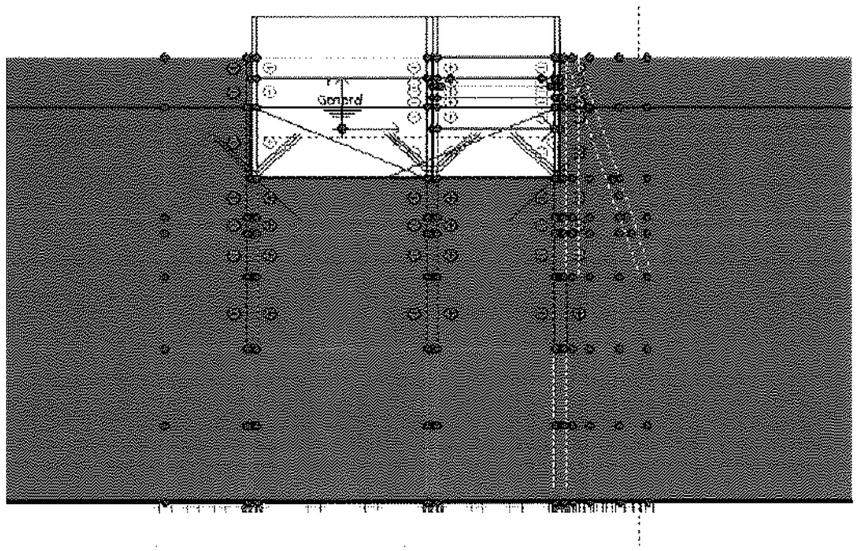


Figura 2.16: Fase 12. Subida del NF a 2.00 en UIC

2.2. ANÁLISIS DE LA OBRA EFECTUADA

Se reproduce en la Figura 3.1 los desplazamientos horizontales calculados en la pantalla central del proyecto, al finalizar la obra, una vez restablecido el nivel piezométrico a su nivel original.

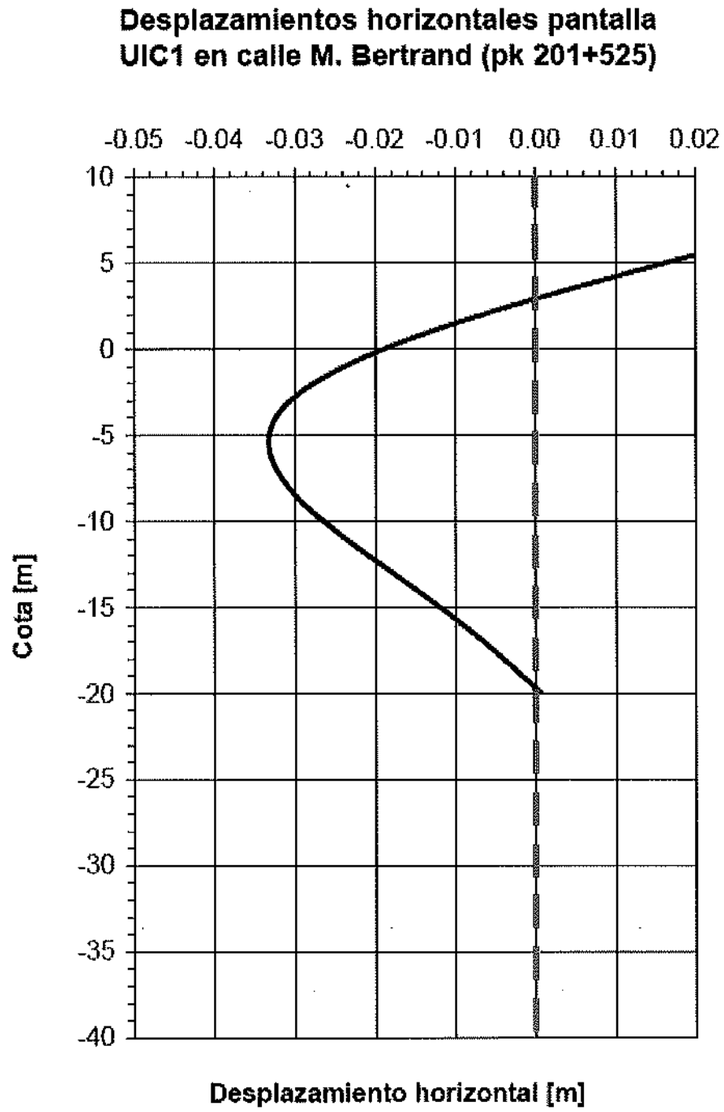


Figura 3.1: Obra efectuada. Movimientos calculados. Fase final.

En la Figura 3.2 se indican las últimas medidas en el inclinómetro de la pantalla correspondiente al perfil analizado. Se aprecia la buena correspondencia general de los dos gráficos. Se debe tener en cuenta que los inclinómetros instalados no arrancan en un punto de movimiento nulo de las pantallas. En efecto, en la sección de arranque del inclinómetro cabe esperar un desplazamiento que afecta al resto de lecturas. En definitiva, los movimientos reales serán algo superiores a los medidos aunque no es posible establecerlos con precisión. Por ello se ha ajustado el modelo para que los movimientos calculados sean algo superiores a los medidos en el inclinómetro de referencia.

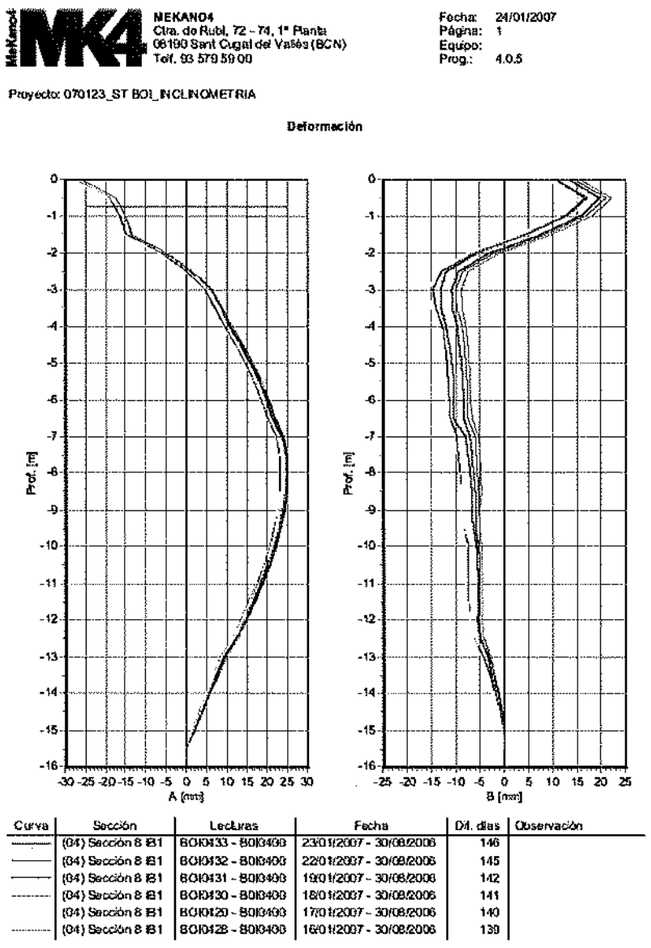


Figura 3.2: Últimas medidas en inclinómetros.

En las Figuras 3.3 y 3.4 se presentan los movimientos horizontales y verticales calculados para la etapa del final de la excavación. Con los ejes adoptados, la fachada de las viviendas que dan a la calle Ferrocarril están situadas en la abcisa x = 23 m.

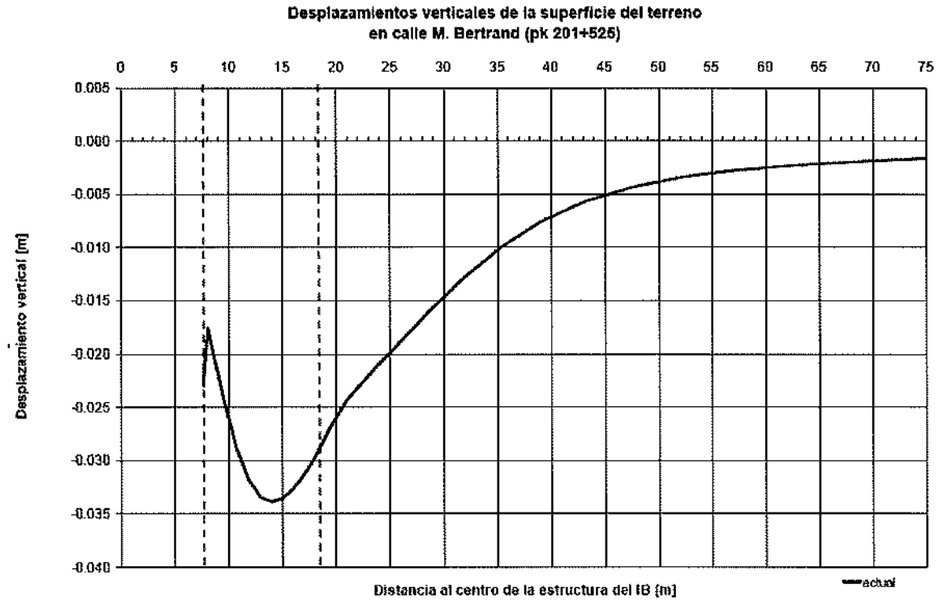


Figura 3.3: Obra efectuada. Movimientos verticales calculados en el trasdós de la pantalla.

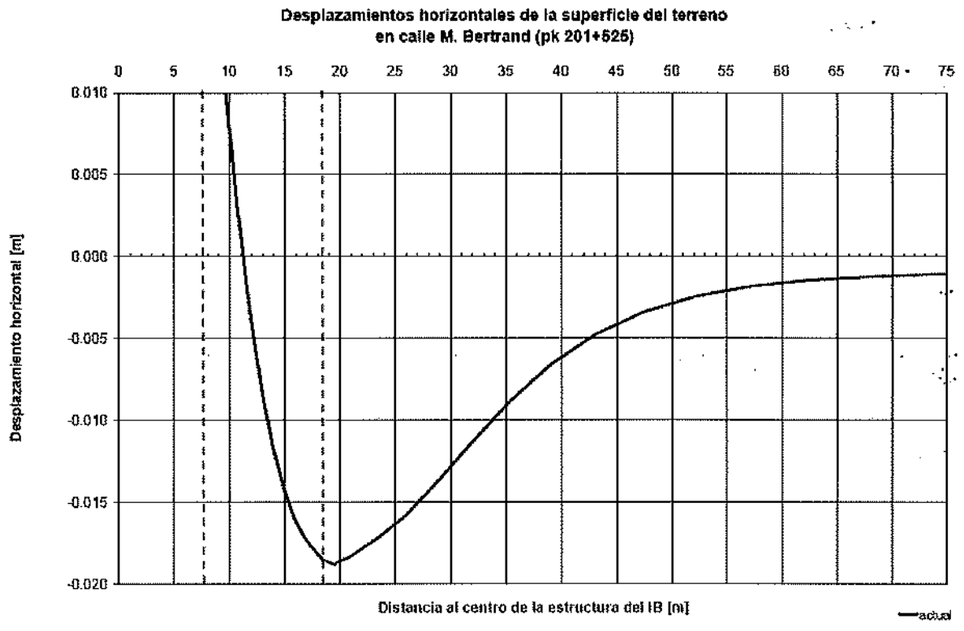


Figura 3.4: Obra en situación actual. Movimientos horizontales calculados en el trasdós de la pantalla.

2.3. ANÁLISIS DE LA OBRA COMPLETA

La continuación de la obra implica el acercamiento de la nueva excavación a las viviendas y, en principio, el incremento de los movimientos. Basta examinar los resultados del análisis anterior. Los movimientos en el trasdós de la pantalla se deben esencialmente a las propias deformaciones de la pantalla. Cabe distinguir, en primera aproximación, en estos movimientos los desplazamientos de sus extremos y los movimientos de flexión.

Con el objeto de reducir las deformaciones en superficie, se plantean las siguientes medidas de actuación en consenso con la Universidad Politécnica de Cataluna (en adelante UPC), con el objeto de llevar a cabo la continuación de las obras:

1. Aumento de la longitud de la pantalla en 7 m más de profundidad.

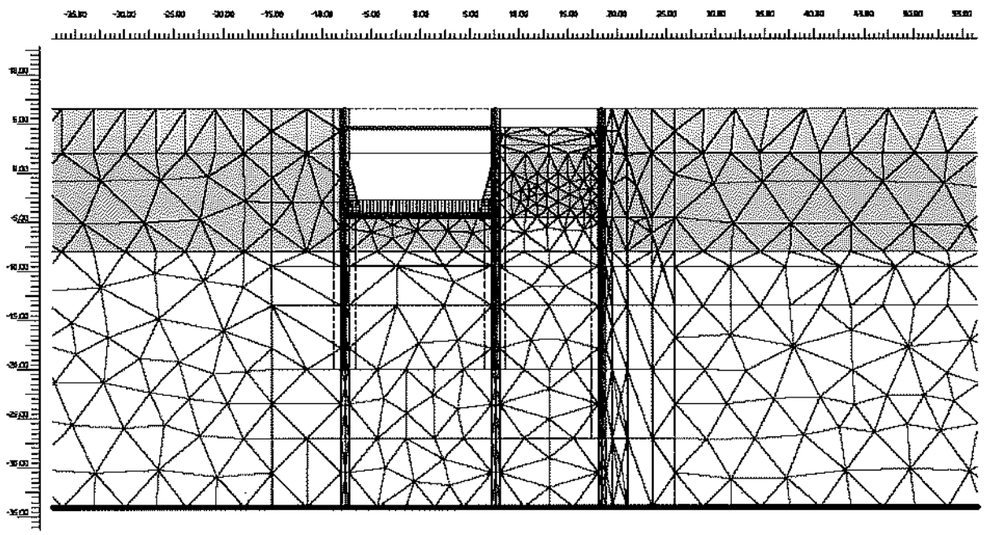


Figura 4.1: Fase de activación de pantalla con 7 m más de longitud.

2. Ejecución de estampidores de Jet grouting en el fondo de excavación, de espesor 4 m y diámetro aproximado 1.80 - 2.00 m. y estampidor superior de 0.60 x 1.00 m superiormente, debajo de la cubierta Para la modelización se han considerado unos parámetros de Jet grouting, que hacen que se pueda considerar una rigidez equivalente de aproximadamente una tercera parte de la que tuvieramos una superficie corrida en todo su conjunto, con el objeto de modelizar los estampidores de Jet grouting, para ello se ha supuesto un valor del modulo de deformación del terreno mejorado de 10000 Kg/cm2, valor muy por debajo de lo que tendríamos si hacemos un tratamiento completo, lo que nos permite suponer que dicho valor se corresponde con un tratamiento discontínuo del terreno, pudiendo por tando disponerse estampidores en la secuencia que se han representado en los planos del presente Proyecto. También se ha considerado una cohesión de 1 kg/cm2, que se estima que también es baja para la mezcla de terreno tratado, pero dicho valor no tiene mucha importancia puesto que estamos en regimen elástico y por lo tanto el valor de la cohesión y del ángulo de rozamiento, no tienen demasiada influencia en el cálculo.

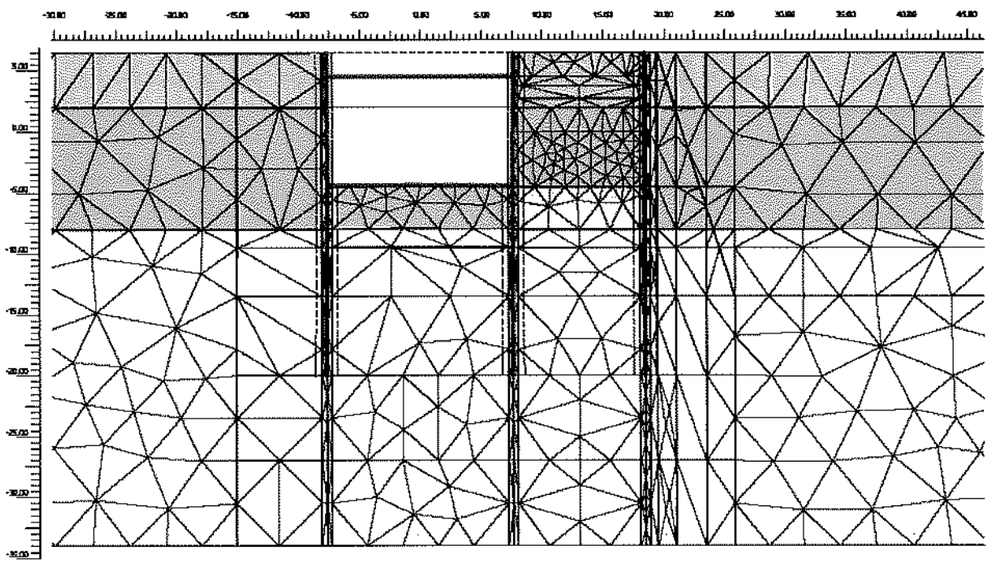


Figura 4.2: Ejecución del estampidor de Jet en la parte inferior de la solera, es decir, en el fondo de la excavación.

3. Ejecución de un apuntalamiento intermedio debajo de la cubierta, mediante la ejecución de unos puntales de hormigón en masa.

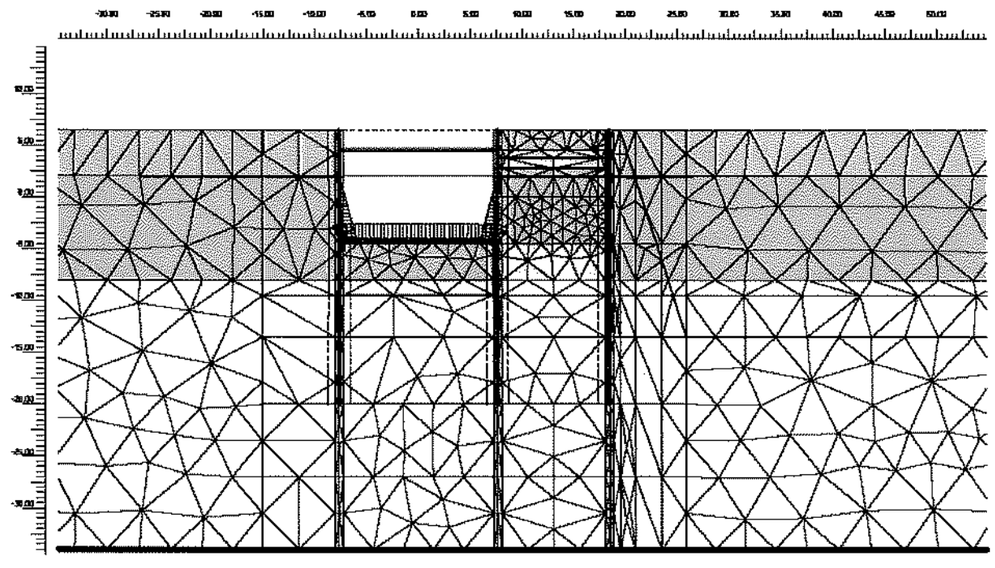


Figura 4.3: Fase de Ejecución de Jet grouting en la parte superior bajo la cubierta (0.6 x 1.00 m) y bajo la solera (4.00 m) .

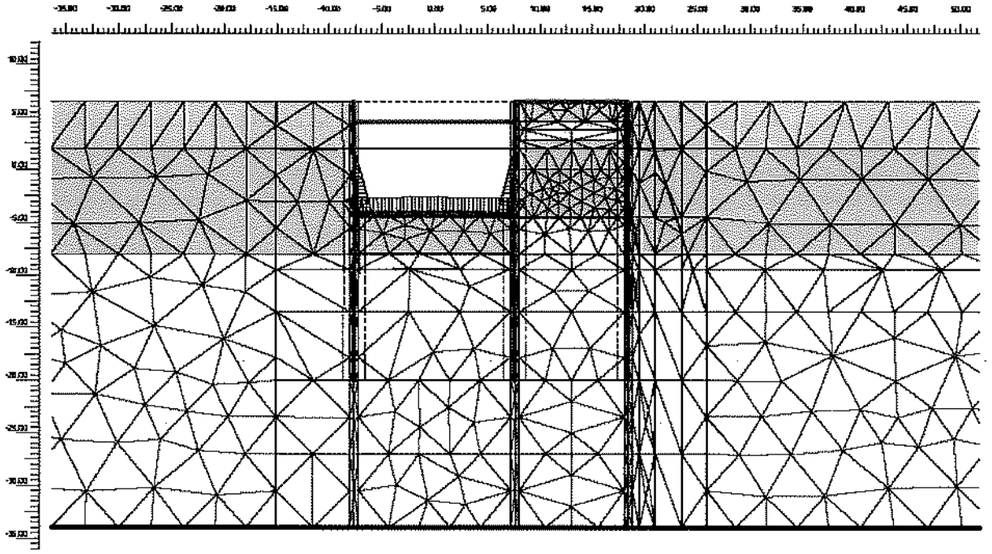


Figura 4.4: Colocación de apuntalamiento provisional superior metálico.

Comentar, no obstante, que en el anteproyecto se estudiaron las las diferentes combinaciones de los diferentes tratamientos que se podían realizar, con el objetivo de tratar de reducir al mínimo la afección de la obra restante, por ello se adoptaron procedimientos constructivos que limitarán el movimiento de determinados puntos de la pantalla y reduzcan las deformaciones por flexión, entre ellos se encontraba el estudio de un aumento de su rigidez.

Por ello se enumeraron diferentes proyectos constructivos (que se enumeraron del 5 al 12) y que se describen a continuación cada uno de los proyectos modelizados en el anteproyecto realizado:

Proyecto 5: Pantalla UIC2 de 1.20 m, 7 m más larga, es decir, hasta la cota -27, puntal temporal entre la cubierta y la solera y jet grouting bajo la solera.

Proyecto 6: Pantalla UIC2 de 1.20 m, 7 m más larga, es decir, hasta la cota -27 y jet grouting bajo la solera.

Proyecto 7: Pantalla UIC2 de 1.20 m y jet grouting bajo la solera.

Proyecto 8: Pantalla UIC2 de 0.80 m y jet grouting bajo la solera.

Proyecto 9: Pantalla UIC2 de 0.80 m, puntal temporal entre la cubierta y la solera y jet grouting bajo la solera.

Proyecto 10: Pantalla UIC2 de 0.80 m, 7 m más larga, es decir, hasta la cota -27 y jet grouting bajo la solera.

Proyecto 11: Pantalla UIC2 de 0.80 m, 7 m más larga, es decir, hasta la cota -27, puntal temporal entre la cubierta y la solera y jet grouting bajo la solera.

Proyecto 12: Pantalla UIC2 de 1.20 m, puntal temporal entre la cubierta y la solera y jet grouting bajo la solera

Se acompaña a continuación las gráficas que recogían en el anteproyecto los movimientos que se originaban, ver las Figuras 4.5 y 4.6, los movimientos horizontales y verticales calculados de la superficie del terreno. Observándose estas figuras debe tenerse en cuenta que los movimientos calculados son los totales, es decir, ya tienen en cuenta la etapa de construcción ya realizada. Debe añadirse que se trata del resultado de simulaciones con un modelo que trata de aproximar la realidad. Sus resultados deben tomarse como aproximaciones a una realidad que siempre es más compleja y, por tanto, se debe aceptar siempre un margen de error en estos ejercicios. Lo más importante es comprobar las tendencias y cambios que introducen determinados procesos que introducen determinados procesos constructivos y analizar la mejora relativa con relación a otra solución.

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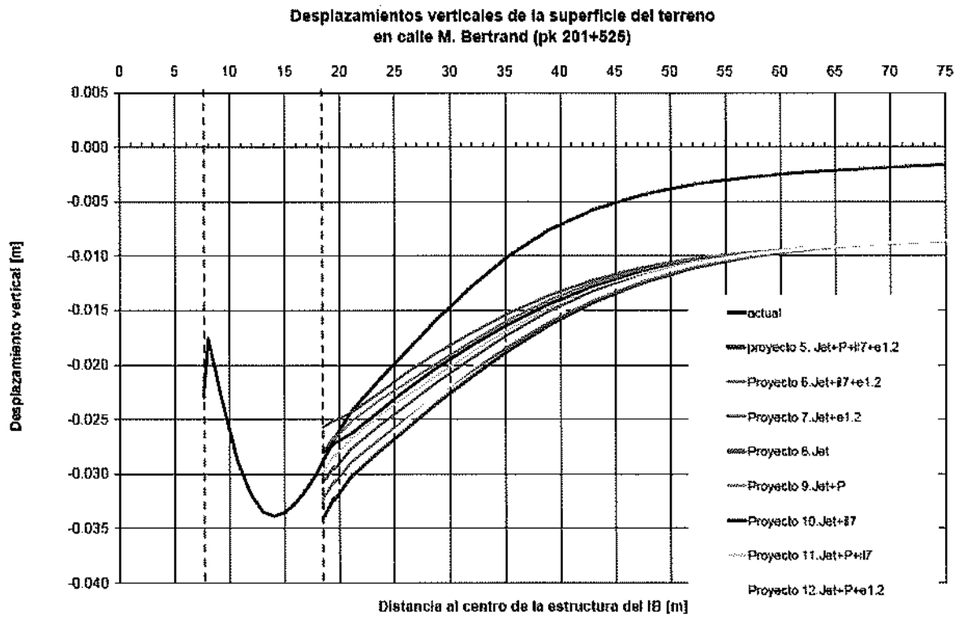


Figura 4.5: Modificaciones al proyecto. Comparación de movimientos verticales

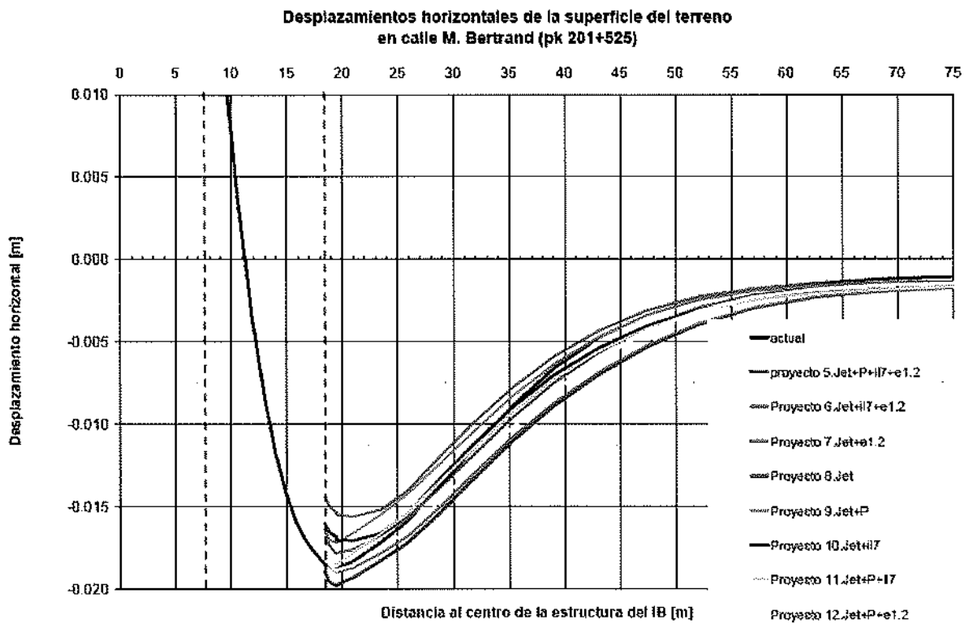


Figura 4.6: Modificaciones al proyecto. Comparación de movimientos horizontales.

A continuación se incluyen las gráficas resultantes del proyecto finalmente ejecutado, ver figuras 4.7 y 4.8, en comparación la situación antes de comenzar las obras, para que quede reflejo de la mejora que se puede conseguir.

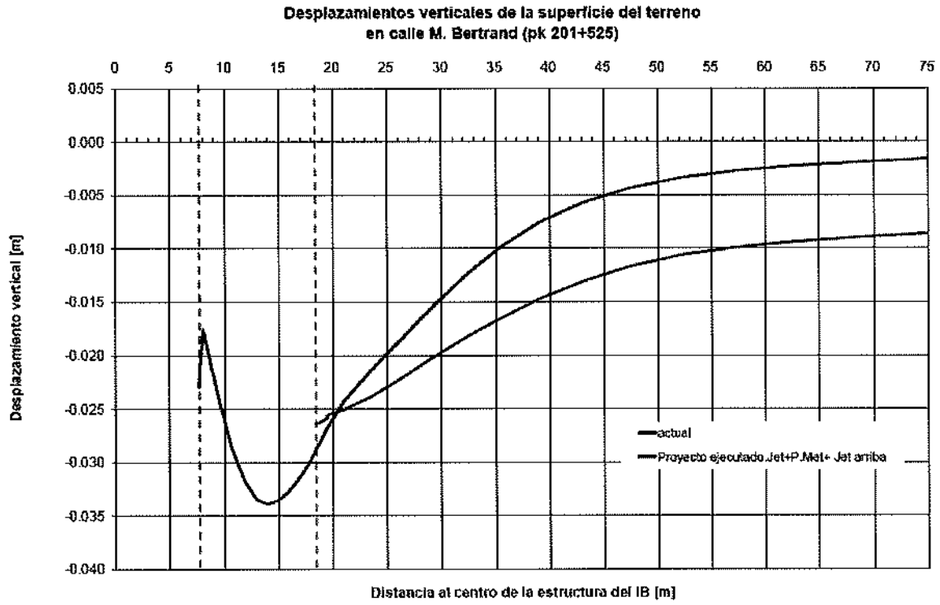


Figura 4.7: Proyecto ejecutado. Movimientos verticales

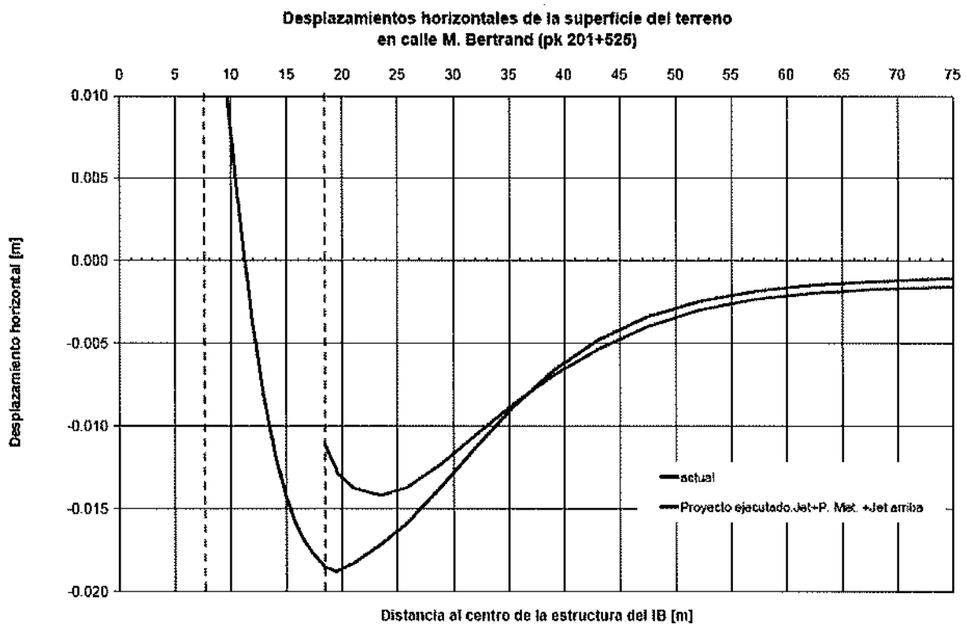


Figura 4.8: Proyecto ejecutado. Movimientos horizontales

Comentar, como se indicaba en el anteproyecto, que en vista de las Figuras 4.5 y 4.6, parecía razonable proponer un cambio en el proyecto constructivo del proyecto adjudicado que supusiera realizar un arriostramiento de la nueva pantalla inmediatamente por debajo del nivel inferior de solera, mediante la ejecución de jet grouting,

A la luz de las conclusiones que se extrajeron del anteproyecto, se decidió que efectivamente la medida más efectiva, con mucho, era la instalación, previa a la excavación del apuntalamiento de las pantallas al nivel de fondo de solera. Es decir, que una vez construida la nueva pantalla, se instalará, desde superficie, unos estampidores de jet grouting situados inmediatamente por debajo de la posición de la losa inferior del falso túnel, así como la ejecución de otros estampidores debajo de la cubierta.

Una vez realizado este primer análisis en el anteproyecto (proyectos 5 a 12), se vió que había una situación que convendría evitar, que era el hecho de excavar en voladizo la zona superior de la pantalla, hasta llegar a la cota inferior de cubierta, ya que esto podría producir deformaciones iniciales que podrían causar deformaciones en las pantallas y por consiguiente a las viviendas.

Se observó que dichas deformaciones no eran importantes, pero que convendría evitar por ser en la cabeza de la pantalla, por ello se realizarón tres análisis adicionales partiendo de la situación del proyecto con Jet grouting inferior anteriormente mencionado (pantallas de 0.8 m, de la longitud de proyecto y con un estampidor de Jet grouting en el fondo de la excavación).

Dichos proyectos fueron los siguientes:

Proyecto 13: Proyecto 8 más puntal metálico provisional en cabeza de la pantalla.

Proyecto 14: Proyecto 8 más puntal metálico provisional en cabeza de la pantalla más un estampidor de Jet grouting de espesor 1.50 m de las mismas características que el inferior, situado justo debajo de la cota inferior de cubierta.

Proyecto 15: Proyecto 8 más un estampidor de Jet grouting de espesor 1.50 m de las mismas características que el inferior, situado justo debajo de la cota inferior de cubierta.

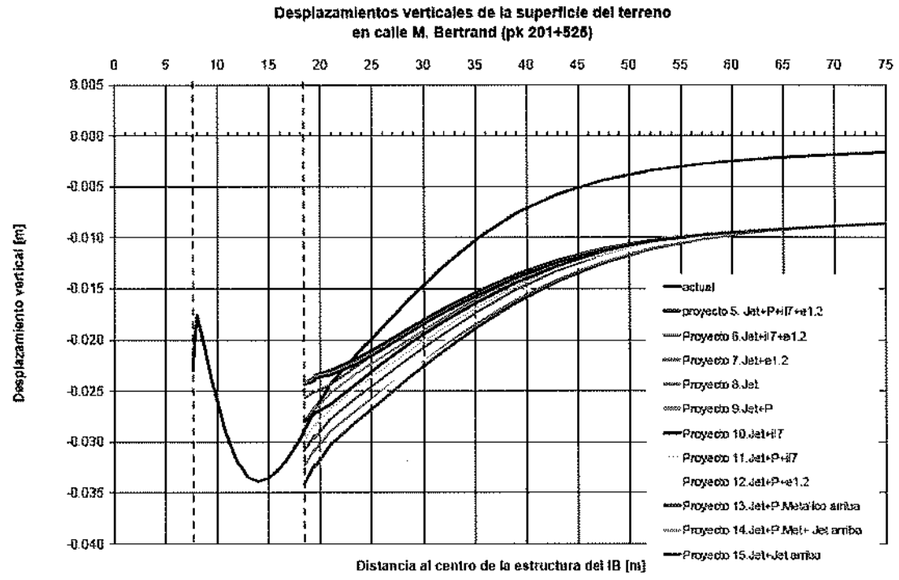


Figura 4.9: Modificaciones al proyecto.Arriostramientos superiores Comparación de movimientos verticales

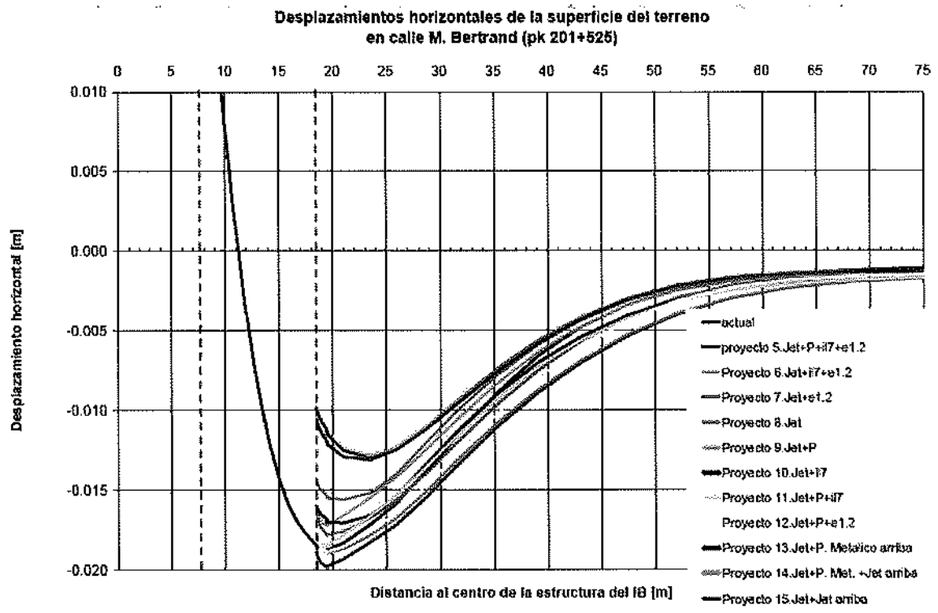


Figura 4.10: Modificaciones al proyecto. Arriostramientos superiores Comparación de movimientos horizontales

Para comparar estos "proyectos" se dibujo, en las Figuras 4.9 y 4.10, los movimientos horizontales y verticales calculados de la superficie del terreno. En la interpretación de estas figuras debe tenerse en cuenta que los movimientos calculados son los totales, es decir, ya tienen en cuenta la etapa de construcción ya realizada.

Con la filosofía anteriormente mencionada, y a la vista de las Figuras 4.9 y 4.10, se decidió contemplar la solución de apuntalamiento superior más la solución del estampidor de Jet grouting inferior, con la colocación del puntal metálico provisonal superior, puesto que se mejora tanto en los desplazamientos verticales como en los horizontales. El codal provisional metálico se retirará una vez colocada y hormigonada la cubierta superior.

La modelización del proyecto ejecutado se puede encontrar en el Apéndice 2 del presente anejo.

3.CÁLCULO DE CUBIERTAS.

Se acompaña en el Apéndice 3 el cálculo realizado por las diferentes casas de prefabricados de cada una de las cubiertas a realizar.

4. CÁLCULO DE SOLERAS.

4.1. COMPROBACION FLOTABILIDAD.

El cálculo de las soleras se ha revisado el de proyecto, considerándose válido el mismo.

Únicamente se han hecho pequeñas consideraciones que tienen en cuenta el efecto del estampidor de Jet Grouting tipo II, que tenemos en la parte inferior de las mismas. pasador de la solera y la pantallas y se ha hecho la consideración del tapón de Jet

A continuación se adjunta la comprobación de la solera de mayor luz (que se corresponde con el módulo 31, de 17,65 m de luz entre pantallas) que resiste las subpresiones del terreno trasladando el cortante mediante efecto pasador a las pantallas (con objeto de impermeabilizar el contacto solera pantalla se dispone de un cordón corrido de caucho bentonita a lo largo del tramo).

Se elimina la pantalla que actúa en forma de tirante, ya que en el cálculo de la solera se comprueba que bajo la acción de la subpresiones (restando el peso de la carga permanente) la misma cumple con los estados límites de utilización (de deformaciones principalmente) y últimos (a flexo compresión y a cortante).

A continuación se adjunta la comprobación realizada de la pantalla que consta de una sección transversal de 100x120 cm con 12 redondos 25 mm en su cara superior. También se adjunta la capacidad de los pasadores (de acero inoxidable) de conexión con la pantalla.

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Corsán-Corviam S.A. 28.3.07, 18:30
AVE BARCELONA
SOLERA

Plane (2-D) frame -analysis

****
* STRUCTURAL - DATA *
****

Project title : SOLERA

J O I N T D A T A : (2 Joints) Supports Specialities

Joints	X [M]	Y [M]	Z [M]	V XYZ	R XYZ	
1	0.00000	0.00000	0.00000	B B	F	
2	17.65000	0.00000	0.00000	F B	F	

B A R D A T A : (1 bars)

Bar	Incidences Start	End	Length [M]	CS-Name (haunched)	Hinges start	end	Specialities
1	1	2	17.65000	100X120			oS

oS = Bars without shear deformation

CROSS SECTION VALUES:

CS-Name	Ax [M2] / zl [M]	Iy [M4] / zu [M]	Fz [M2]
100X120	1.2000E+00 / -0.6000	1.4400E-01 / 0.6000	1.2000E+00

MATERIAL PROPERT. :

Bar (to bar)	E-Modulus [KN/ M2]	Shear-M [KN/ M2]
1	2.9000E+07	1.2100E+07

ST3-Run ok

==========
Load case 1: PESO PROPIO SOLERA
==========

Loadtype	Value(a)	Distanc Value(b)	Joint -/member numb
Mas.forcZ gl const.	-25.000		Stab 1

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AVE BARCELONA
SOLERA

==========
Load case 2: SUBPRESIONES
==========

Loadtype	Value(a)	Distanc Value(b)	Joint -/member numb
Force Z gl const.	50.740		Stab 1

==========
Load case 3: HORMIGON POBRE
==========

Loadtype	Value(a)	Distanc Value(b)	Joint -/member numb
Force Z gl const.	-8.750		Stab 1

ENVELOPE SPECIFIC.: AC 'ELS RARA'

Group	Spec.	Loadcase	Factor	Stage	Title
A	PERM.	1	1.000		PESO PROPIO SOLERA
	AND	2	1.000		SUBPRESIONES
	AND	3	1.000		HORMIGON POBRE

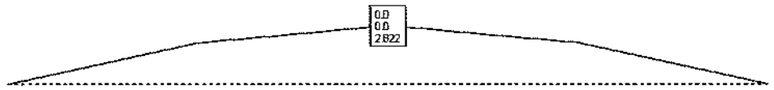
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(1. line : MIN., 2. line : MAX.

Node	FX [kN]	FZ [kN]	MY [kNm]
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	0	-105.812	
2		-105.812	
		-105.812	

LOADING: 'FLECHAS TOTALES'

Loadcase	Factor	Stage	Init.def	Title
4	5.0000			SUBPRESIONES - C. PERMANENTES

Scale 1 :108.7
Deformed structure, Loadcase 4 (FLECHAS TOTALES), Subsys. "ALL"
- Structure: Elmnts.
- Displacements, Scale: 5.0E1
- V-Max , Text: Vx,Vy,Vz [CM]



LOAD COMBINATION AF: 'Dead loads'

Loadcase	Factor	Stage	Init.def	Title
1	1.0000			PESO PROPIO SOLERA
3	1.0000			HORMIGON POBRE

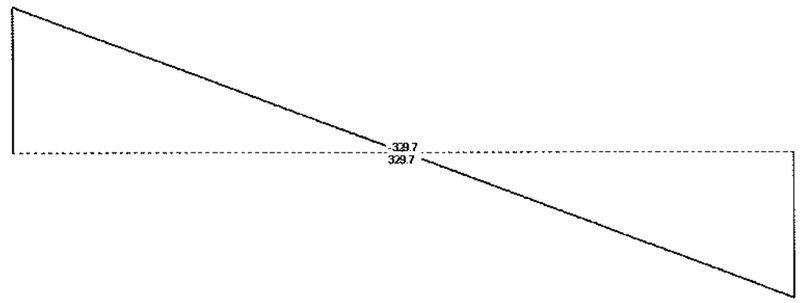
LOADING: 'Further loads'

Loadcase	Factor	Stage	Init.def	Title
2	1.0000			SUBPRESIONES

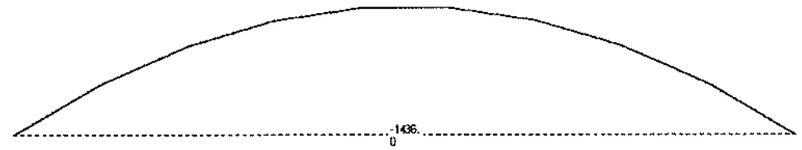
SPECIFICATINS DESIGN ENVELOPE File:EDSTD, 'Design'

Load group	Char.Actions	Factor	File
1	Dead loads	1.000	(SDESTD)
	Further loads	1.500	(SDWSTD)

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- Envelope Shear force Vz-min, Scale 1.00E-02
min: -3.30E+02 max: 3.30E+02 [kN]
- Envelope Shear force Vz-max, Scale 1.00E-02
min: -3.30E+02 max: 3.30E+02 [kN]
- Text envelopes [kN]

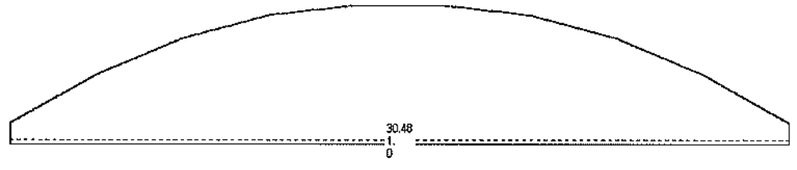


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- Envelope Moment My-min, Scale 2.00E-03
min: -1.44E+03 max: -5.82E-05 [kNm]
- Text envelopes [kNm]



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Corsán-Corviam S.A. 28.3.07, 18:30
AVE BARCELONA
SOLERA

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Calcul. As, , Subsys. "LIST"
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min: 3.78E+00 max: 3.05E+01 [cm2]
- Longit.reinf As-lower-tot , Scale 1.00E-01
min: 1.00E+00 max: 1.00E+00 [cm2]
- Text As-upper, As-lower, As-stirrups-z(y) [cm2/m]



EFECTO PASADOR

Código Modelo CEB-FIP 1990

Introducción de datos

Materiales

	fck(Kp/cm2)	300	
	γc	1.5	**fcd 200.00 Kp/cm2**
	fyk(Kp/cm2)	5100	
	γc	1.15	**fyd 4000.00 Kp/cm2**

Esfuerzos

	Axil barra Kp	0

Geometria

	e (cm)	1

Coef suplementario

	γRd	1.3

Condiciones geométricas mínimas (aseguran que no se desgarre el hormigón)

Diámetro pasador (mm)	6	8	10	12	16	20	25	32
Distancia al borde en horizontal cm	1.8	2.4	3	3.6	4.8	6	7.5	9.6
Distancia a la cara superior cm	3	4	5	6	8	10	12.5	16
Distancia a la cara inferior cm	4.8	6.4	8	9.6	12.8	16	20	25.6
Empotramiento pasador cm	4.8	6.4	8	9.6	12.8	16	20	25.6

Fuerza máxima que puede transmitirse por una armadura que cruza una interfaz de hormigón

Diámetro pasador (mm)	6	8	10	12	16	20	25	32
Fuerza (T)	0.100	0.223	0.407	0.656	1.360	2.343	3.971	6.997

Desplazamiento transversal a lo largo de la interfaz hormigón-hormigón

Diámetro pasador (mm)	6	8	10	12	16	20	25	32
Desplazamiento (mm)	0.60	0.80	1.00	1.20	1.60	2.00	2.50	3.20

Este mismo módulo 31 es el de mayor luz y el que soporta las mayores subpresiones (el nivel freático se sitúa a la cota + 1,23 m mientras que la cota inferior de la solera se encuentra a la cota -4,51 m). De acuerdo a los anteriores cálculos se comprueba que la solera mediante su trabajo a flexión transversal traslada la carga mediante efecto pasador a las pantallas.

Las cargas verticales casi permanentes del falso túnel en sentido descendente son las siguientes.

- Tren cargas carretera (ψ_2 = 0.20) 0.20 Tn/m2
- Pavimento (0.10 m de espesor) 0.23 Tn/m^2
- Peso montera de tierras (0,50 m) 0.90 Tn/m^2
- Losa de cubierta tablero (0,25 m) 0.625 Tn/m^2
- Tablero (vigas de 1,25 m/2,00m) 0.40 Tn/m^2
- Vía, traviesas y armamento vía 0,20 Tn/m^2
- Hormigón pobre (0,35 m) 0.875 Tn/m^2
- Solera (1,20 m) 3.00 Tn/m^2
- Peso propio pantalla (repartida por m2)* 3.30 Tn/m^2

* El peso por metro cuadrado de las pantallas es resultado del siguiente cálculo (el peso propio pantallas por metro lineal 3*2.50 Tn/m^3 * 23 m * 0.80 m = 138 Tn/m dividido por la anchura total del falso túnel, IB y UIC, una anchura total de 41,85 m).

Mientras que la subpresión es de 5,74 Tn/m^2 lo que da un coeficiente de seguridad de 1,70 en combinación casi permanente lo que se considera correcto, sin contar con la colaboración del trabajo por fuste de las pantallas (las mismas trabajan por fuste con un coeficiente de adherencia minorado por 2 respecto al de diseño).

Esto está de acuerdo con las fases previas del proyecto en que no se realizaba esta comprobación con niveles freático superiores a +2,00 m).

Se acompaña en el Apéndice 4 el cálculo realizado que es el del proyecto adjudicado.

4.2. RECINTO DE PRUEBAS .

Se ha comprobado en un modelo simplificado la longitud de pantallas a instrumentalizar y poder así el efecto que las condiciones de contorno tienen en las deformaciones de las pantallas (pantallas en voladizo para la extracción de tierras y pantalla de bentonita para cerrar el módulo de pruebas)

Se adjunta a continuación los modelos realizados en los que se ha considerado a lo largo y alto de las pantallas biapoyadas (en cubierta y solera) el empuje de tierras al reposo como una carga uniforme de valor:

$$E = \frac{2}{3} \cdot k_o \cdot \gamma \cdot H$$

Tomando como k_o = 0.50, γ = 20 kN/m^3 y H = 7,50 m.

De acuerdo a los modelos que a continuación se adjuntan, a una distancia de 15 m del borde de las pantallas que actúan en voladizo (con una berma en el intradós) o de la pantalla de bentonita de borde del recinto de prueba, las deformaciones en la pantalla se han igualado a las que cuenta un módulo teórico apoyado en solera y cubierta.

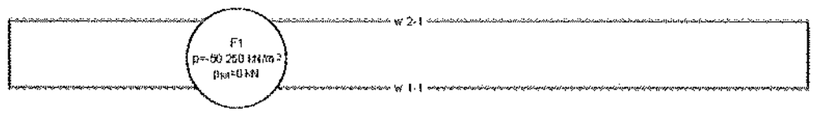
El modelo es una placa de 90 m de largo, 7,50 m de alto a ejes de apoyos y un canto de 0.80 m (pared maciza)

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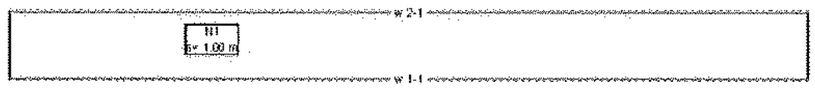
Estructura Escala 1 :529 9



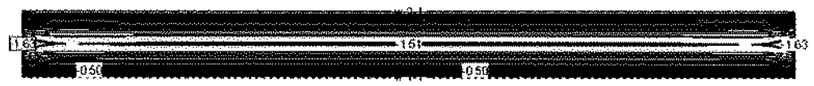
Hipótesis de carga EMPUJE PRUEBA Escala 1 :529 9



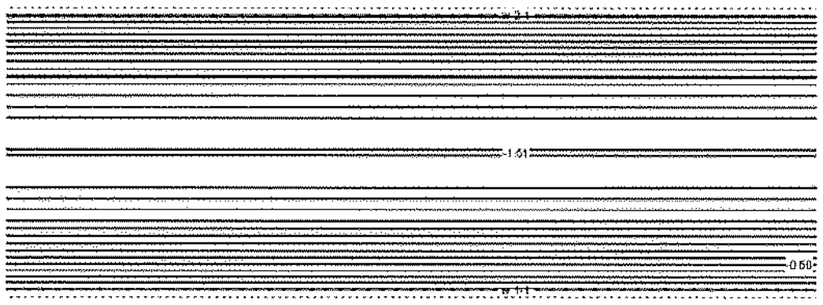
Estructura Escala 1 :529 9



Flecha Hipótesis de carga EMPUJE, Equidistancia 0.10 mm, Linea de referencia 0.00 mm Escala 1 :548 3



Flecha Hipótesis de carga EMPUJE, Equidistancia 0.10 mm, Linea de referencia 0.00 mm Escala 1 :128 6 (31 21,-2 86, 53 85,18 57)

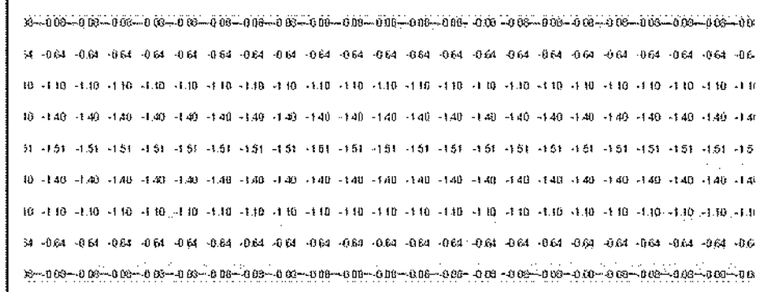


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Desplazamientos DZ [mm] Hipótesis de carga EMPUJE Escala 1 :128 6 (31 21,-2 86, 53 85,18 57)

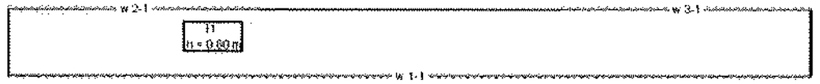


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Estructura

Escala 1:529.9



DATOS de la ESTRUCTURA

MATERIALES

Id	Material	E [kN/mm²]	ρ [kN/m³]	Clase de material	α [1/K]	ν
1	Hormigón	33.00	2.50	HJ00	0.010	0.17
2	Acero para armaduras	210.00	8.00	AEH500	0.012	0.30

ETIQUETAS DE ATRIBUTOS DE MATERIALES: Isótropo

Id		Geometría			Materiales	
		Espesor de la losa [m]	Cota del canto sup. [m]	I_E	Sólido	Armaduras
I1		0.80	0	1.000	Hormigón	Acero para

PAREDES

Id	Descripción	Typ NO ln	Apoyos sdz [kN/m²]	sx [kN]	sy [kN]	Geometría y material Ancho [m]	Altura [m]	Módulo de Young [kN/m²]
W1	Rot. libre	No	§ 2.3333E+6	libre	libre	0.20	3.00	3.500000E+7
W2	Rot. libre	No	§ 2.3333E+6	libre	libre	0.20	3.00	3.500000E+7
W3	Rot. libre	No	§ 2.3333E+6	libre	libre	0.20	3.00	3.500000E+7

§ Cálculo automático de rigidez de columna

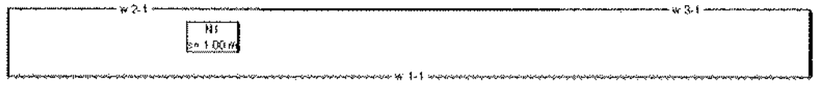
Hipótesis de carga EMPUJE: EMPUJE REPOSO PANTALLAS

Escala 1:529.9



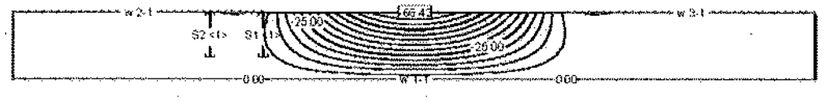
Estructura

Escala 1:529.9



Flecha Hipótesis de carga EMPUJE, Equidistancia 5.00 mm, Línea de referencia 0.00 mm

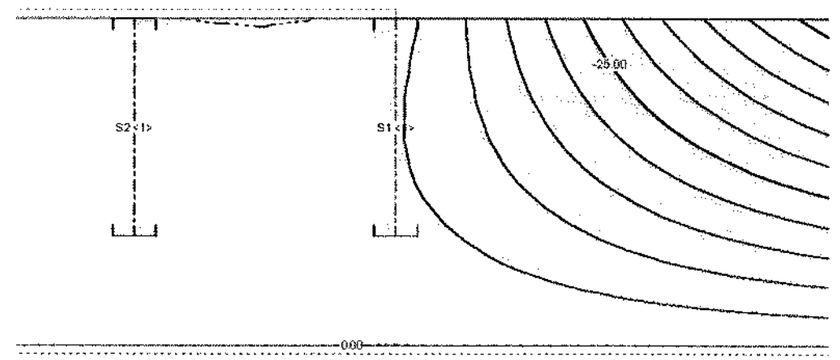
Escala 1:529.9



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Flecha Hipótesis de carga EMPUJE, Equidistancia 5.00 mm, Línea de referencia 0.00 mm



Desplazamientos DZ [mm] Hipótesis de carga EMPUJE

I8	-0.08	-0.08	-0.08	-0.09	-0.08	-0.07	-0.07	-0.05	-0.06	-0.07	-0.14	-0.05	-0.08	-2.90	-7.04	-12.14	-17.67	-23.36
I3	-0.62	-0.62	-0.61	-0.60	-0.59	-0.58	-0.56	-0.53	-0.50	-0.48	-0.55	-0.88	-1.84	-3.91	-7.25	-11.46	-16.12	-20.98
I8	-1.07	-1.07	-1.05	-1.04	-1.02	-1.00	-0.97	-0.94	-0.93	-0.97	-1.14	-1.61	-2.63	-4.47	-7.19	-10.61	-14.47	-18.53
I8	-1.37	-1.36	-1.35	-1.33	-1.30	-1.27	-1.24	-1.22	-1.23	-1.31	-1.54	-2.06	-3.02	-4.59	-6.79	-9.52	-12.63	-15.93
I8	-1.47	-1.46	-1.45	-1.43	-1.40	-1.37	-1.35	-1.33	-1.35	-1.45	-1.69	-2.18	-3.01	-4.28	-6.01	-8.13	-10.55	-13.14
I8	-1.37	-1.36	-1.35	-1.33	-1.30	-1.28	-1.26	-1.25	-1.27	-1.37	-1.58	-1.98	-2.64	-3.60	-4.88	-6.44	-8.22	-10.13
I8	-1.07	-1.07	-1.05	-1.04	-1.02	-1.00	-0.99	-0.98	-1.00	-1.07	-1.23	-1.51	-1.95	-2.60	-3.45	-4.48	-5.65	-6.91
I3	-0.62	-0.62	-0.61	-0.60	-0.59	-0.58	-0.57	-0.56	-0.57	-0.60	-0.68	-0.82	-1.04	-1.36	-1.79	-2.31	-2.90	-3.59
I8	-0.08	-0.08	-0.08	-0.09	-0.08	-0.07	-0.07	-0.06	-0.05	-0.03	-0.02	-0.00	-0.00	-0.00	-0.00	-0.02	-0.04	-0.06

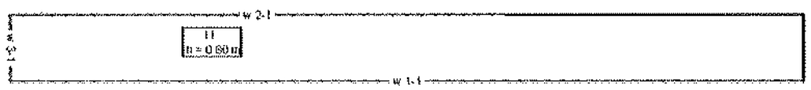
S3 <1>
S1 <1>

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Estructura



DATOS de la ESTRUCTURA

MATERIALES

Id	Material	E [kN/mm²]	ρ [kN/m³]	Clase de material	α [%]	ν
1	Hormigón	33.00	2.50	HM30	0.010	0.17
2	Acero para armaduras	210.00	8.00	ABH500	0.012	0.30

ETIQUETAS DE ATRIBUTOS DE MATERIALES: Isótropo

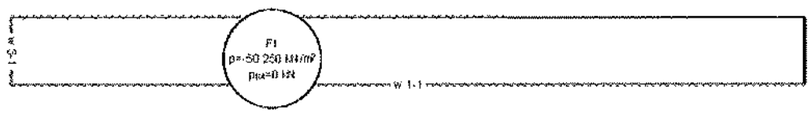
Id		Geometría: Espesor de la losa [m]	Geometría: Excentricidad del canto sup [m]	f_E	Materiales: Sólido	Materiales: Armaduras
T1		0.80	0	1.000	Hormigón	Acero para

PAREDES

Id	Descripción	Typ NO lin	Apoyos: sdz [kN/m²]	Apoyos: srx [kN]	Apoyos: sry [kN]	Geometría y material: Ancho [m]	Geometría y material: Altura [m]	Geometría y material: Módulo de Young [kN/m²]
W1	Rot. libre	No	§ 2.3333E+6	libre	libre	0.20	3.00	3.500000E+7
W2	Rot. libre	No	§ 2.3333E+6	libre	libre	0.20	3.00	3.500000E+7
W3	Rot. libre	No	§ 2.3333E+6	libre	libre	0.20	3.00	3.500000E+7

§ Cálculo automático de rigidez de columna

Hipótesis de carga EMPUJE EMPUJE TERRENO REPOSO

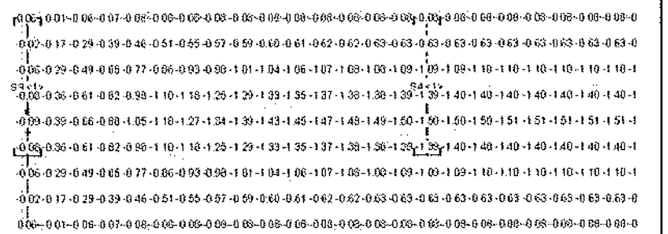


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Desplazamientos DZ [mm] Hipótesis de carga EMPUJE



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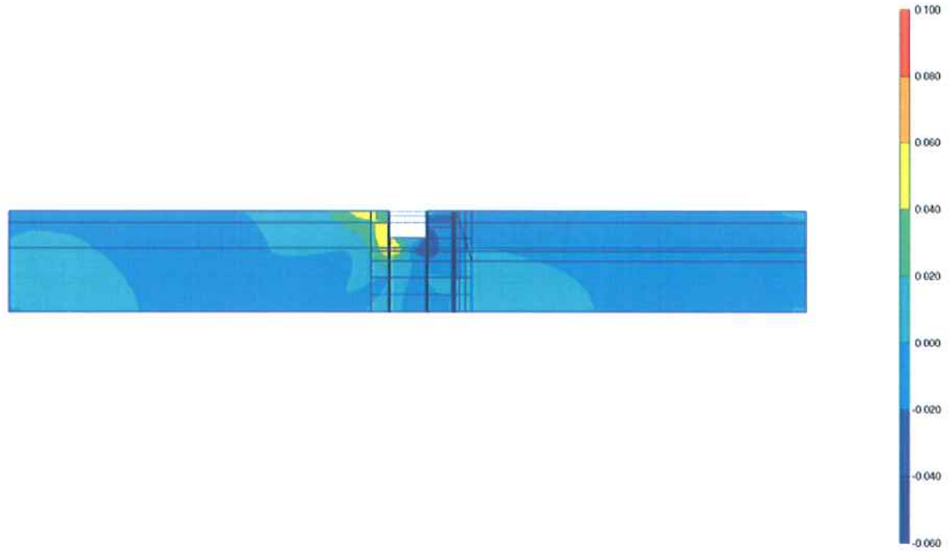


Fig. 215 Plot of horizontal displacements (shadings)
- step no: 43 - (phase: 9)

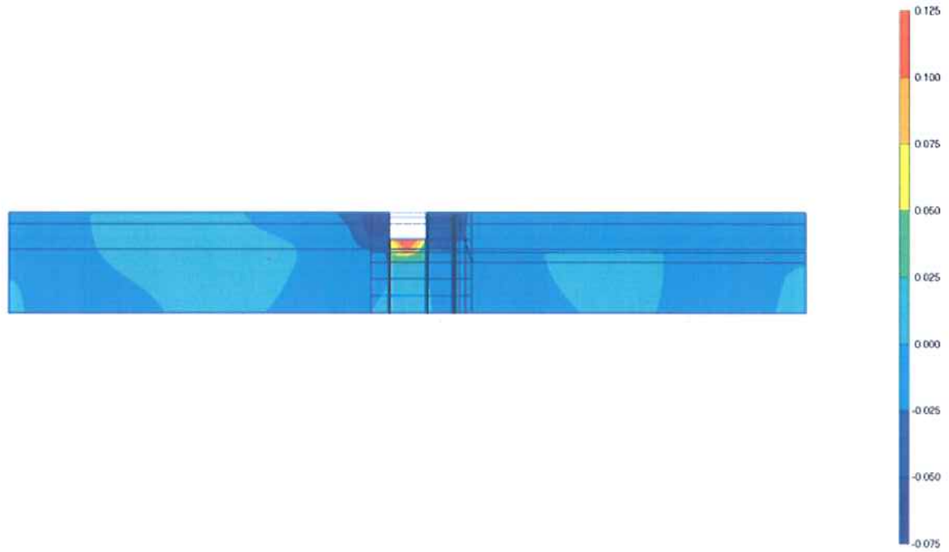


Fig. 216 Plot of vertical displacements (shadings)
- step no: 43 - (phase: 9)

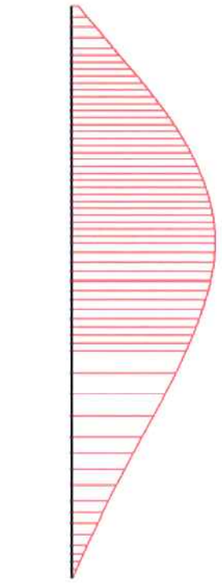


Fig. 217 Horizontal displacements in beam (plate no: 1)
Extreme value 63.78*10-3 m (phase: 9)

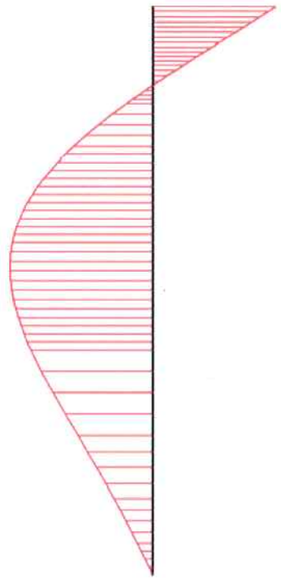


Fig. 218 Horizontal displacements in beam (plate no: 3)
Extreme value -33.83*10-3 m (phase: 9)

5978

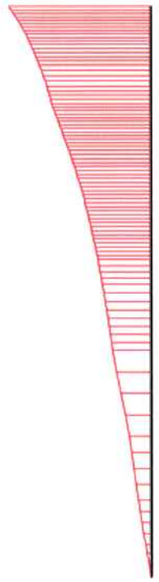


Fig. 219 Horizontal displacements in beam (plate no: 4)
Extreme value -19.00*10-3 m (phase: 9)

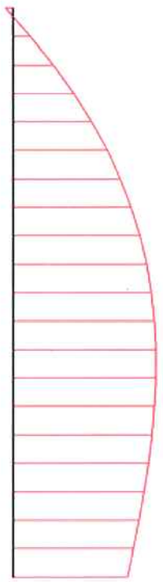


Fig. 220 Horizontal displacements in beam (plate no: 9)
Extreme value 703.60*10-6 m (phase: 9)



Fig. 221 Vertical displacements in beam (plate no: 1)
Extreme value -36.05*10-3 m (phase: 9)



Fig. 222 Vertical displacements in beam (plate no: 3)
Extreme value -33.17*10-3 m (phase: 9)

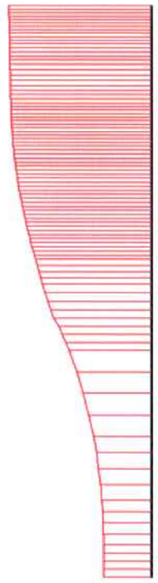


Fig. 223 Vertical displacements in beam (plate no: 4)
Extreme value -43.10*10-3 m (phase: 9)



Fig. 224 Vertical displacements in beam (plate no: 9)
Extreme value -14.48*10-3 m (phase: 9)



Fig. 225 Axial forces in beam (plate no: 1)
Extreme value -481.33 kN/m (phase: 9)



Fig. 226 Axial forces in beam (plate no: 3)
Extreme value -515.23 kN/m (phase: 9)

5980



Fig. 227 Axial forces in beam (plate no: 4)
Extreme value -207.69 kN/m (phase: 9)

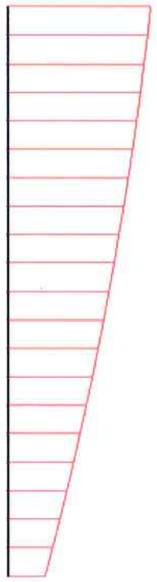


Fig. 228 Axial forces in beam (plate no: 9)
Extreme value -176.03 kN/m (phase: 9)

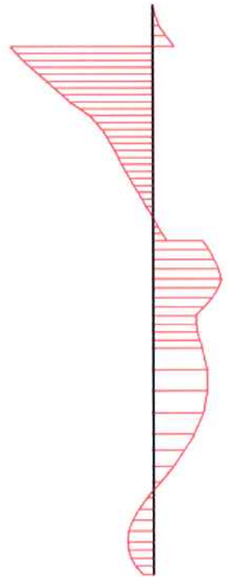


Fig. 229 Shear forces in beam (plate no: 1)
Extreme value 499.70 kN/m (phase: 9)

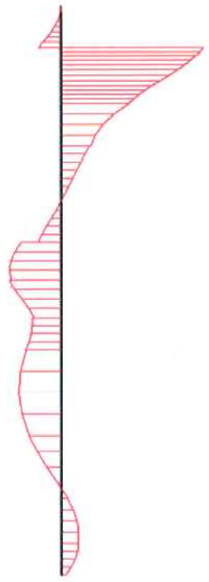


Fig. 230 Shear forces in beam (plate no: 3)
Extreme value -497.07 kN/m (phase: 9)

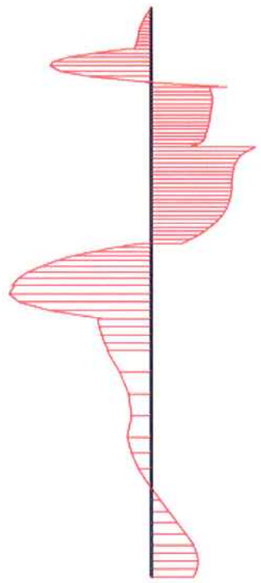


Fig. 231 Shear forces in beam (plate no: 4)
Extreme value 22.92 kN/m (phase: 9)

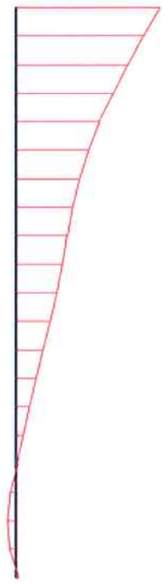


Fig. 232 Shear forces in beam (plate no: 9)
Extreme value -6.78 kN/m (phase: 9)

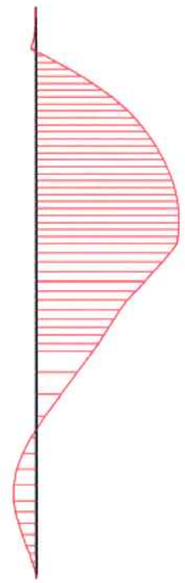


Fig. 233 Bending moments in beam (plate no: 1)
Extreme value -1.65*103 kNm/m (phase: 9)

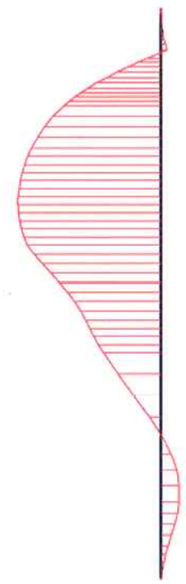


Fig. 234 Bending moments in beam (plate no: 3)
Extreme value 1.32*103 kNm/m (phase: 9)

5982

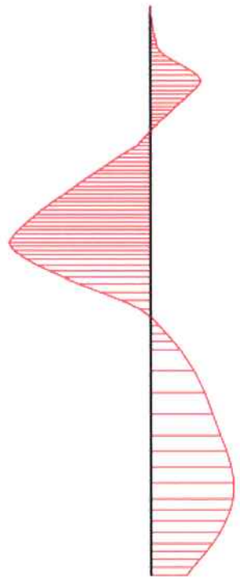


Fig. 235 Bending moments in beam (plate no: 4)
Extreme value 59.16 kNm/m (phase: 9)

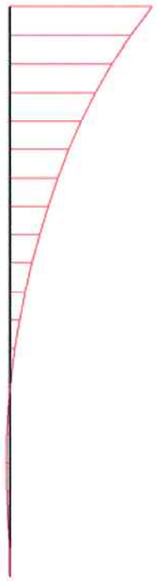


Fig. 236 Bending moments in beam (plate no: 9)
Extreme value -14.80 kNm/m (phase: 9)

18. Results for phase 20

Table [23] Step info phase no: 20

Step no:	47
Calculation type	PLASTIC
Extrapolation factor	0.231
Relative stiffness	0.067

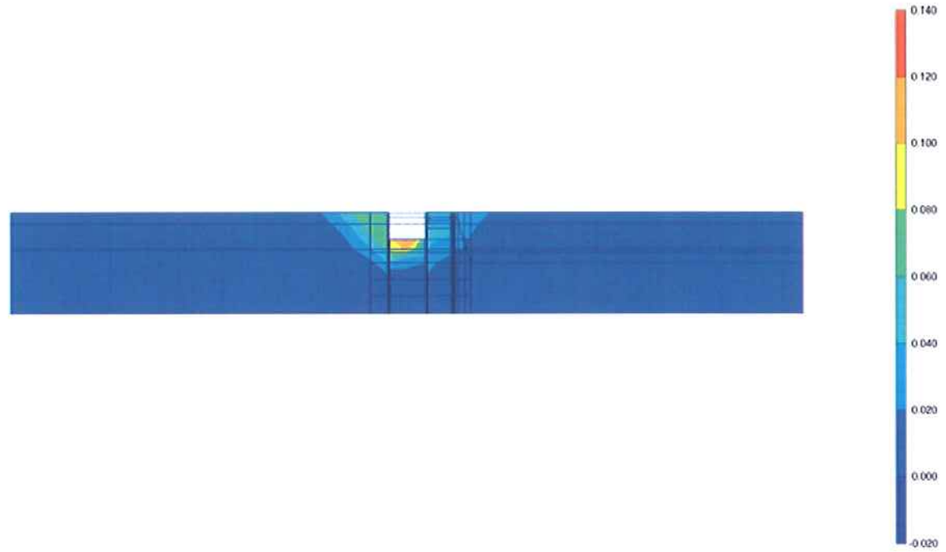


Fig. 237 Plot of total displacements (shadings)
- step no: 47 - (phase: 20)

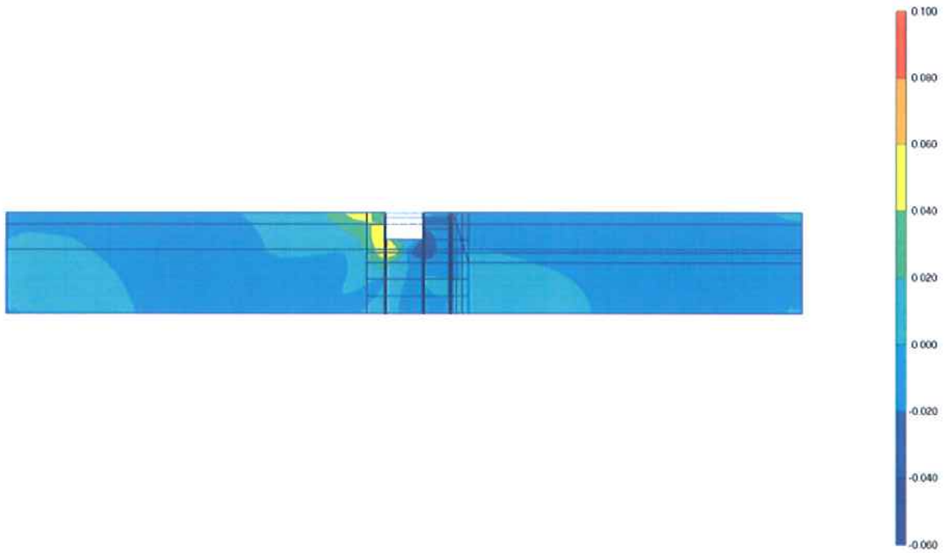


Fig. 238 Plot of horizontal displacements (shadings)
- step no: 47 - (phase: 20)

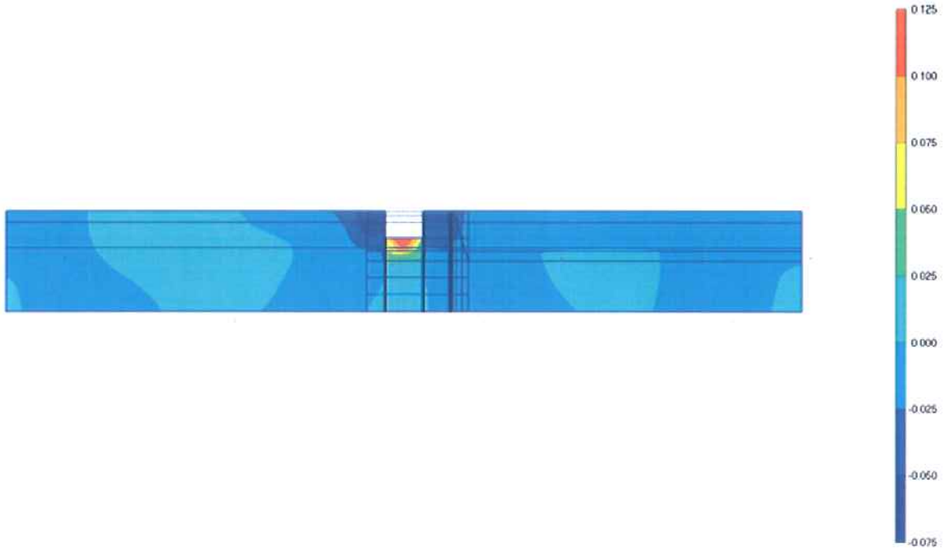


Fig. 239 Plot of vertical displacements (shadings)
- step no: 47 - (phase: 20)



Fig. 240 Horizontal displacements in beam (plate no: 1)
Extreme value 63.77*10-3 m (phase: 20)

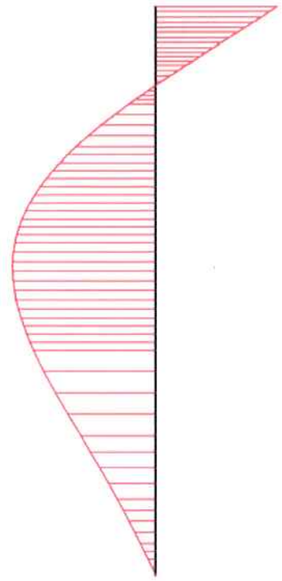


Fig. 241 Horizontal displacements in beam (plate no: 3)
Extreme value -33.83*10-3 m (phase: 20)

5984



Fig. 242 Horizontal displacements in beam (plate no: 4)
Extreme value -19.10*10-3 m (phase: 20)

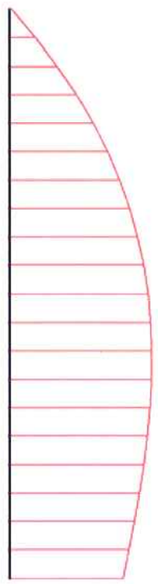


Fig. 243 Horizontal displacements in beam (plate no: 9)
Extreme value 740.10*10-6 m (phase: 20)



Fig. 244 Vertical displacements in beam (plate no: 1)
Extreme value -36.04*10-3 m (phase: 20)



Fig. 245 Vertical displacements in beam (plate no: 3)
Extreme value -33.56*10-3 m (phase: 20)



Fig. 246 Vertical displacements in beam (plate no: 4)
Extreme value -43.38*10-3 m (phase: 20)



Fig. 247 Vertical displacements in beam (plate no: 9)
Extreme value -14.75*10-3 m (phase: 20)



Fig. 248 Axial forces in beam (plate no: 1)
Extreme value -479.73 kN/m (phase: 20)

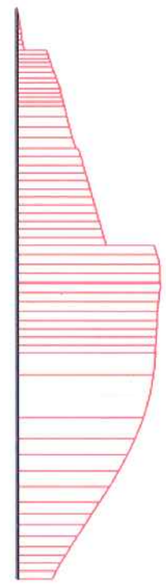


Fig. 249 Axial forces in beam (plate no: 3)
Extreme value -513.06 kN/m (phase: 20)

5986



Fig. 250 Axial forces in beam (plate no: 4)
Extreme value -214.82 kN/m (phase: 20)

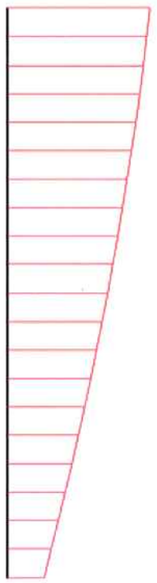


Fig. 251 Axial forces in beam (plate no: 9)
Extreme value -180.63 kN/m (phase: 20)

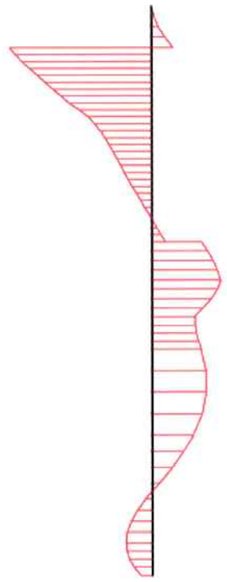


Fig. 252 Shear forces in beam (plate no: 1)
Extreme value 500.65 kN/m (phase: 20)

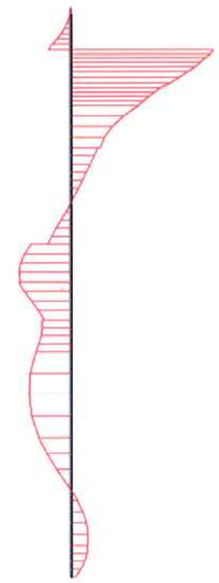


Fig. 253 Shear forces in beam (plate no: 3)
Extreme value -497.64 kN/m (phase: 20)

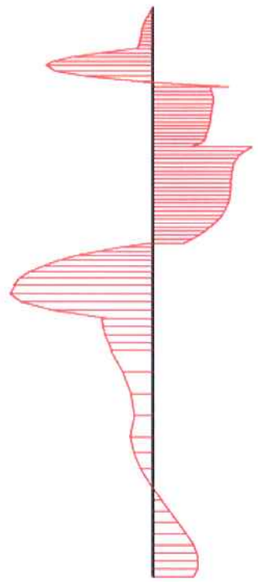


Fig. 254 Shear forces in beam (plate no: 4)
Extreme value 23.91 kN/m (phase: 20)

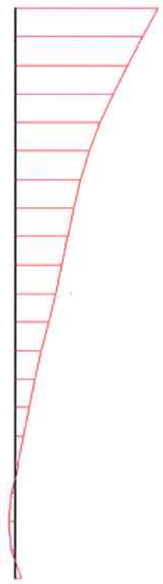


Fig. 255 Shear forces in beam (plate no: 9)
Extreme value -6.94 kN/m (phase: 20)

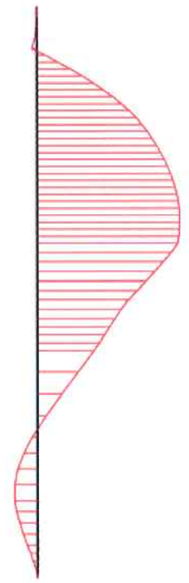


Fig. 256 Bending moments in beam (plate no: 1)
Extreme value -1.65*103 kNm/m (phase: 20)

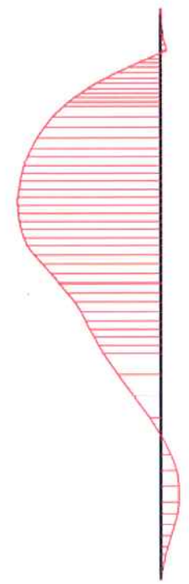


Fig. 257 Bending moments in beam (plate no: 3)
Extreme value 1.32*103 kNm/m (phase: 20)

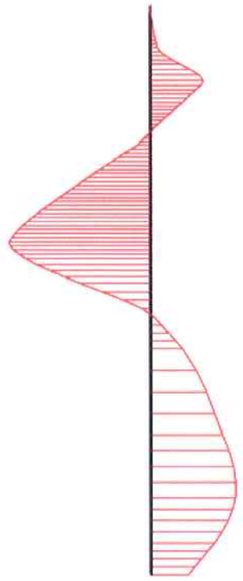


Fig. 258 Bending moments in beam (plate no: 4)
Extreme value 60.09 kNm/m (phase: 20)

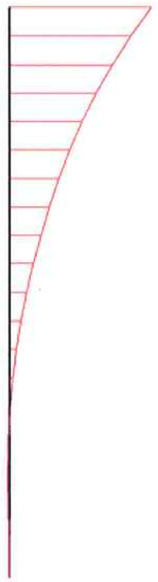


Fig. 259 Bending moments in beam (plate no: 9)
Extreme value -15.64 kNm/m (phase: 20)

19. Results for phase 10

Table [24] Step info phase no: 10

Step no:	49
Calculation type	PLASTIC
Extrapolation factor	1.000
Relative stiffness	0.958

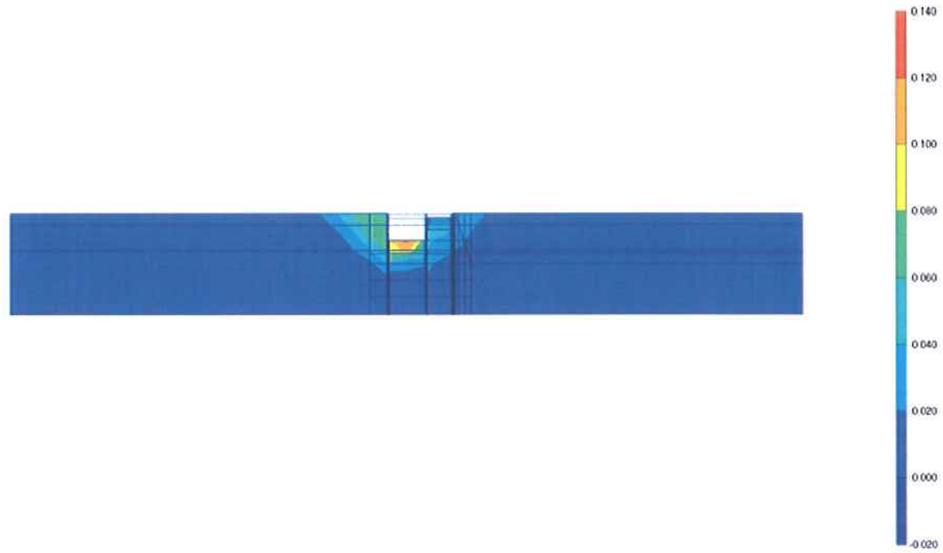


Fig. 260 Plot of total displacements (shadings)
- step no: 49 - (phase: 10)

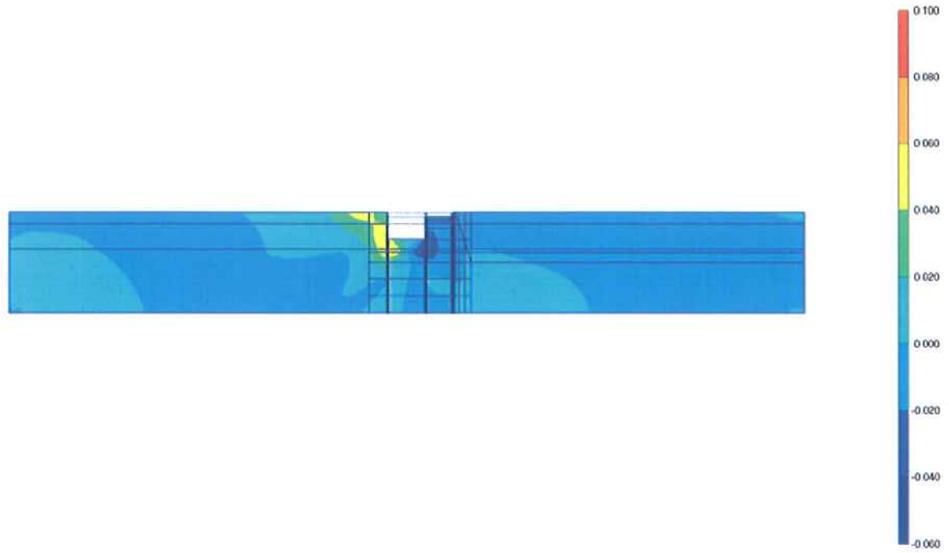


Fig. 261 Plot of horizontal displacements (shadings)
- step no: 49 - (phase: 10)

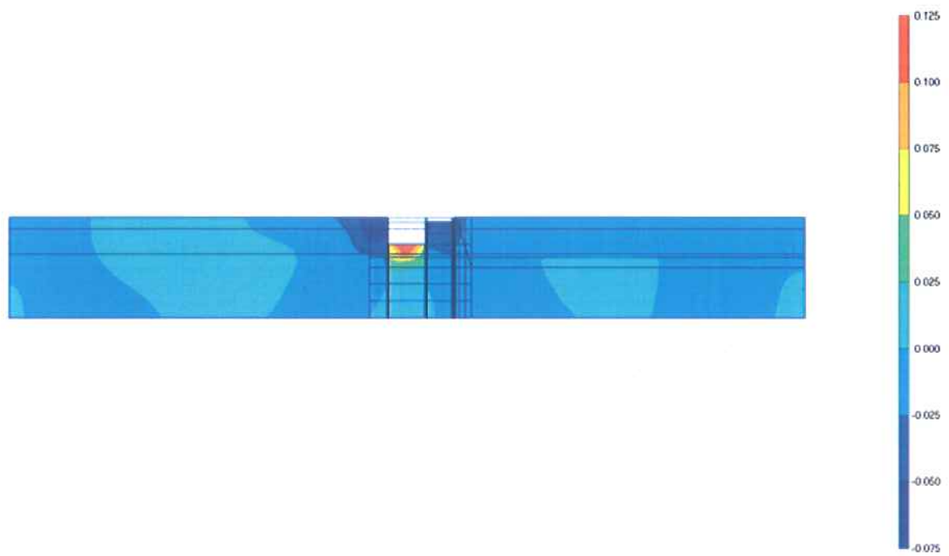


Fig. 262 Plot of vertical displacements (shadings)
- step no: 49 - (phase: 10)

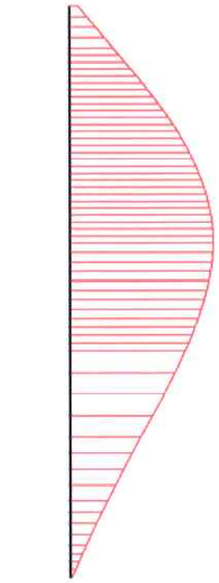


Fig. 263 Horizontal displacements in beam (plate no: 1)
Extreme value 63.74*10-3 m (phase: 10)

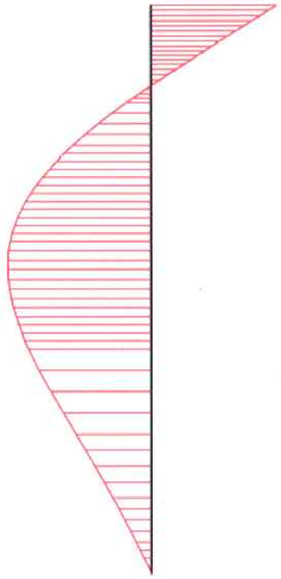


Fig. 264 Horizontal displacements in beam (plate no: 3)
Extreme value -33.90*10-3 m (phase: 10)

5990



Fig. 265 Horizontal displacements in beam (plate no: 4)
xtreme value -18.30*10-3 m (phase: 10)

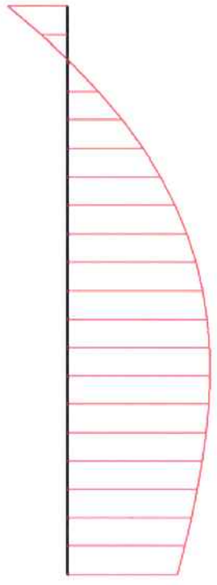


Fig. 266 Horizontal displacements in beam (plate no: 9)
Extreme value 538.04*10-6 m (phase: 10)



Fig. 267 Vertical displacements in beam (plate no: 1)
Extreme value -35.71*10-3 m (phase: 10)



Fig. 268 Vertical displacements in beam (plate no: 3)
Extreme value -29.60*10-3 m (phase: 10)

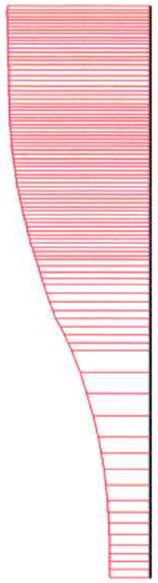


Fig. 269 Vertical displacements in beam (plate no: 4)
Extreme value -39.96*10-3 m (phase: 10)



Fig. 270 Vertical displacements in beam (plate no: 9)
Extreme value -11.44*10-3 m (phase: 10)



Fig. 271 Axial forces in beam (plate no: 1)
Extreme value -483.87 kN/m (phase: 10)



Fig. 272 Axial forces in beam (plate no: 3)
Extreme value -403.14 kN/m (phase: 10)

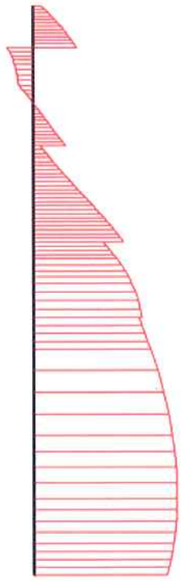


Fig. 273 Axial forces in beam (plate no: 4)
Extreme value -113.87 kN/m (phase: 10)



Fig. 274 Axial forces in beam (plate no: 9)
Extreme value -105.58 kN/m (phase: 10)

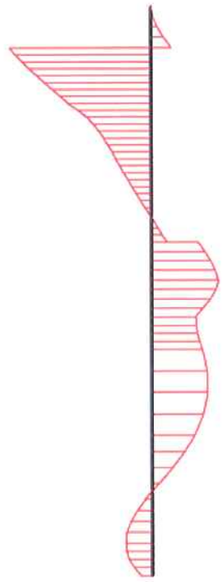


Fig. 275 Shear forces in beam (plate no: 1)
Extreme value 487.73 kN/m (phase: 10)

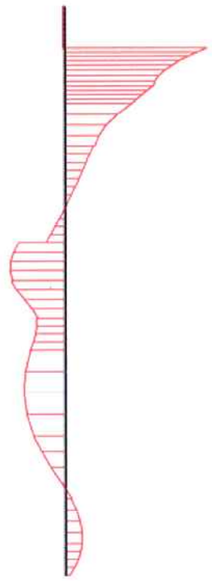


Fig. 276 Shear forces in beam (plate no: 3)
Extreme value -503.94 kN/m (phase: 10)

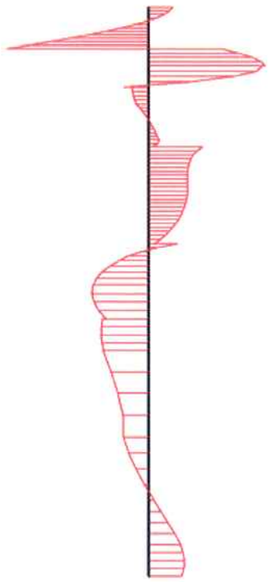


Fig. 277 Shear forces in beam (plate no: 4)
Extreme value 32.04 kN/m (phase: 10)

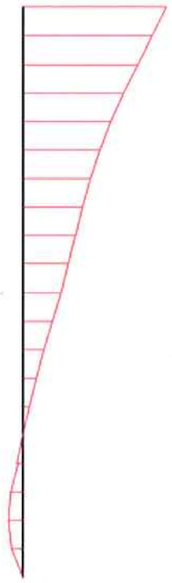


Fig. 278 Shear forces in beam (plate no: 9)
Extreme value -7.34 kN/m (phase: 10)



Fig. 279 Bending moments in beam (plate no: 1)
Extreme value -1.62*103 kNm/m (phase: 10)

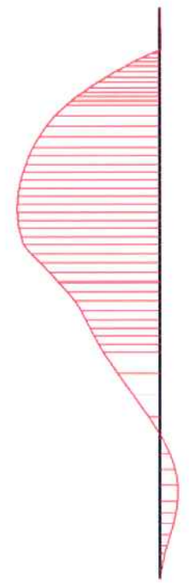


Fig. 280 Bending moments in beam (plate no: 3)
Extreme value 1.34*103 kNm/m (phase: 10)

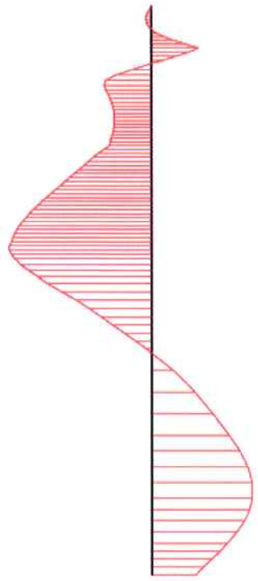


Fig. 281 Bending moments in beam (plate no: 4)
Extreme value 50.13 kNm/m (phase: 10)

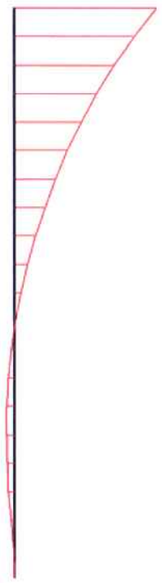


Fig. 282 Bending moments in beam (plate no: 9)
Extreme value -15.38 kNm/m (phase: 10)

20. Results for phase 11

Table [25] Step info phase no: 11

Step no:	51
Calculation type	PLASTIC
Extrapolation factor	1.000
Relative stiffness	0.990

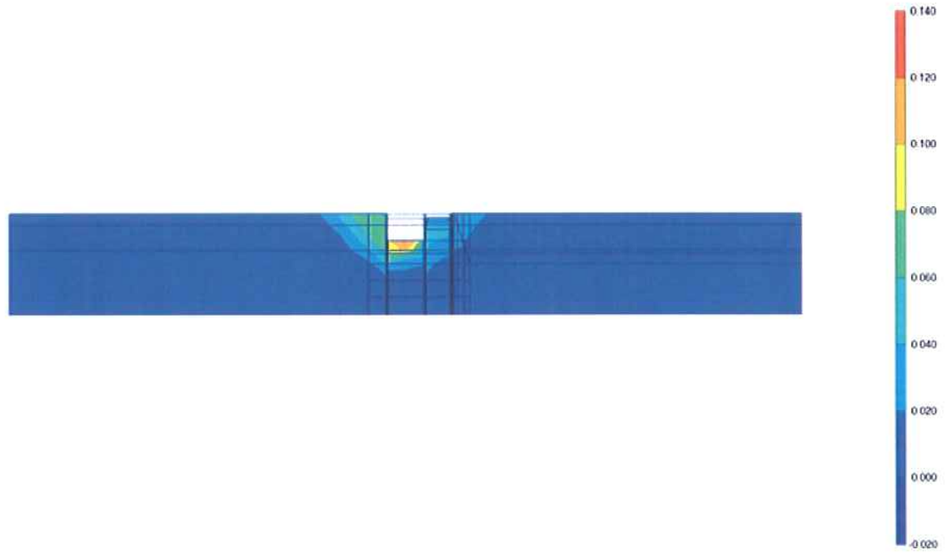


Fig. 283 Plot of total displacements (shadings)
- step no: 51 - (phase: 11)

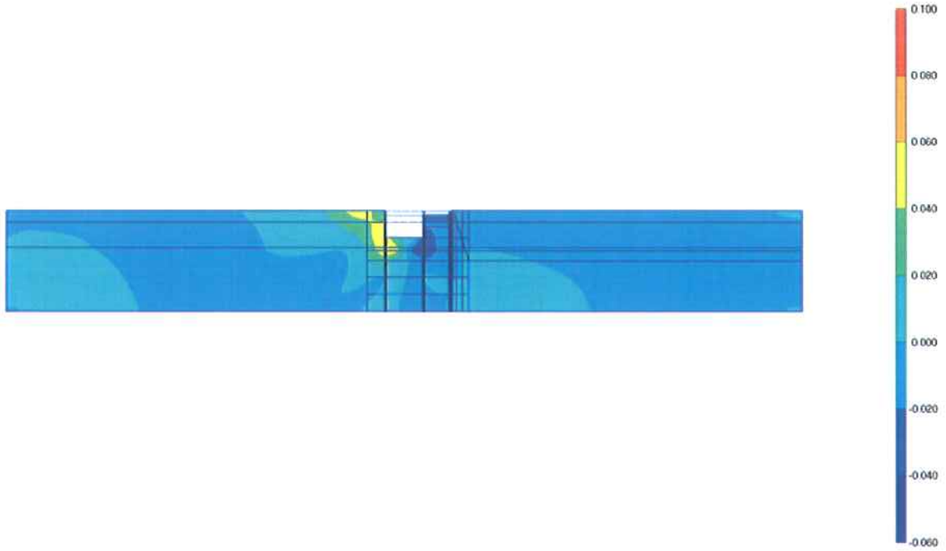


Fig. 284 Plot of horizontal displacements (shadings)
- step no: 51 - (phase: 11)

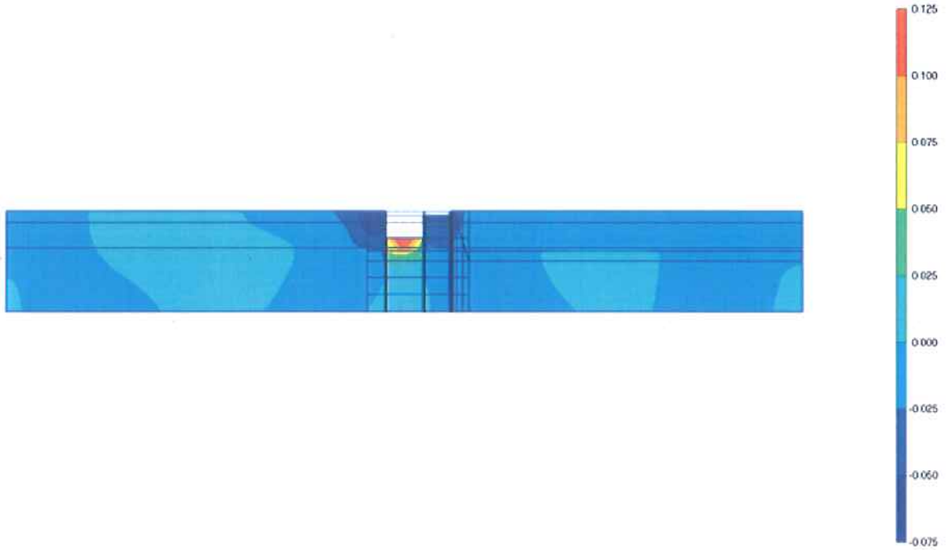


Fig. 285 Plot of vertical displacements (shadings)
- step no: 51 - (phase: 11)

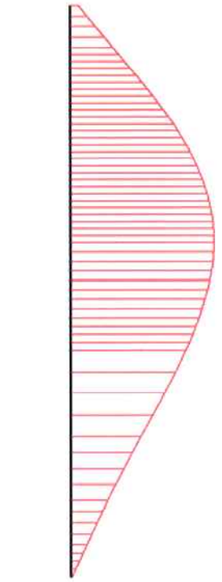


Fig. 286 Horizontal displacements in beam (plate no: 1)
Extreme value 63.75*10-3 m (phase: 11)

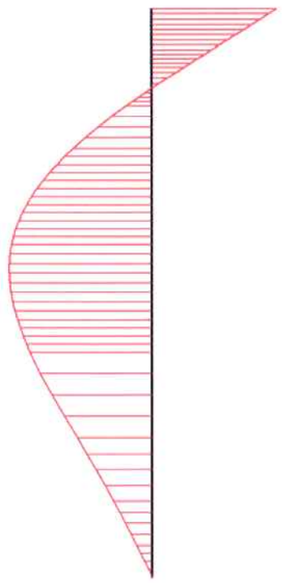


Fig. 287 Horizontal displacements in beam (plate no: 3)
Extreme value -33.86*10-3 m (phase: 11)

5996



Fig. 288 Horizontal displacements in beam (plate no: 4)
Extreme value -18.71*10-3 m (phase: 11)

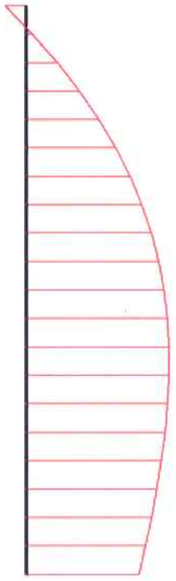


Fig. 289 Horizontal displacements in beam (plate no: 9)
Extreme value 650.48*10-6 m (phase: 11)



Fig. 290 Vertical displacements in beam (plate no: 1)
Extreme value -35.91*10-3 m (phase: 11)



Fig. 291 Vertical displacements in beam (plate no: 3)
Extreme value -31.84*10-3 m (phase: 11)

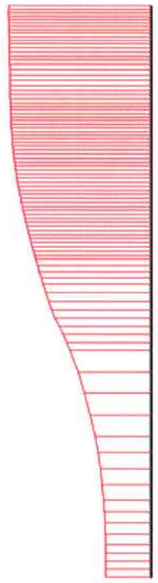


Fig. 292 Vertical displacements in beam (plate no: 4)
Extreme value -41.86*10-3 m (phase: 11)



Fig. 293 Vertical displacements in beam (plate no: 9)
Extreme value -13.28*10-3 m (phase: 11)

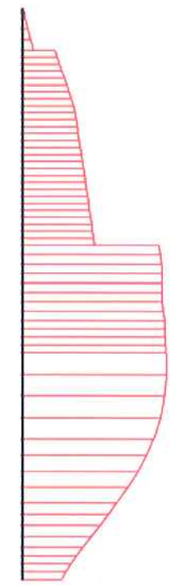


Fig. 294 Axial forces in beam (plate no: 1)
Extreme value -482.17 kN/m (phase: 11)



Fig. 295 Axial forces in beam (plate no: 3)
Extreme value -469.02 kN/m (phase: 11)

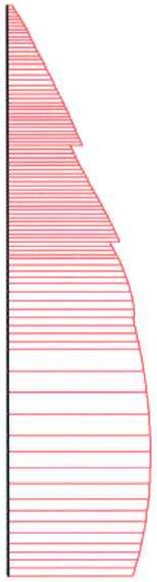


Fig. 296 Axial forces in beam (plate no: 4)
Extreme value -168.52 kN/m (phase: 11)

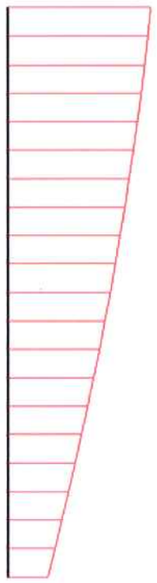


Fig. 297 Axial forces in beam (plate no: 9)
Extreme value -147.07 kN/m (phase: 11)

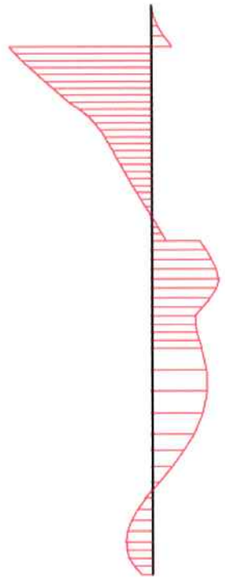


Fig. 298 Shear forces in beam (plate no: 1)
Extreme value 493.62 kN/m (phase: 11)

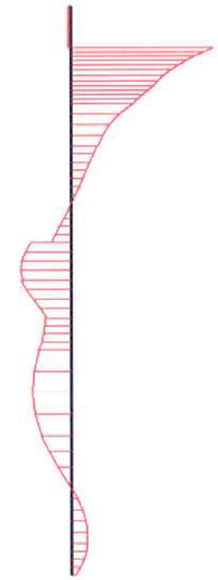


Fig. 299 Shear forces in beam (plate no: 3)
Extreme value -535.12 kN/m (phase: 11)

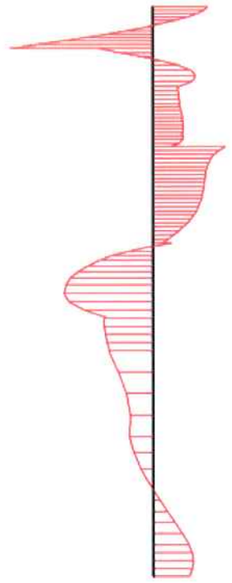


Fig. 300 Shear forces in beam (plate no: 4)
Extreme value 28.38 kN/m (phase: 11)

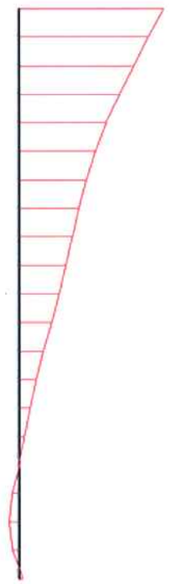


Fig. 301 Shear forces in beam (plate no: 9)
Extreme value -7.14 kN/m (phase: 11)



Fig. 302 Bending moments in beam (plate no: 1)
Extreme value -1.63*103 kNm/m (phase: 11)



Fig. 303 Bending moments in beam (plate no: 3)
Extreme value 1.33*103 kNm/m (phase: 11)

6000

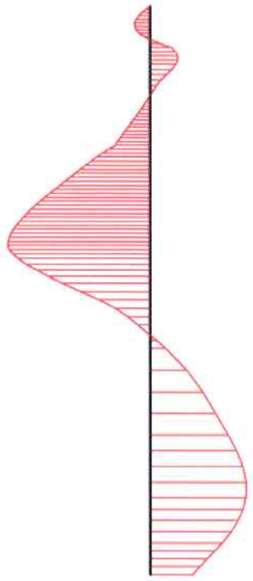


Fig. 304 Bending moments in beam (plate no: 4)
Extreme value 52.87 kNm/m (phase: 11)

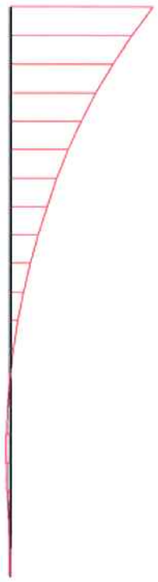


Fig. 305 Bending moments in beam (plate no: 9)
Extreme value -15.69 kNm/m (phase: 11)

21. Results for phase 12

Table [26] Step info phase no: 12

Step no:	54
Calculation type	PLASTIC
Extrapolation factor	0.074
Relative stiffness	0.303

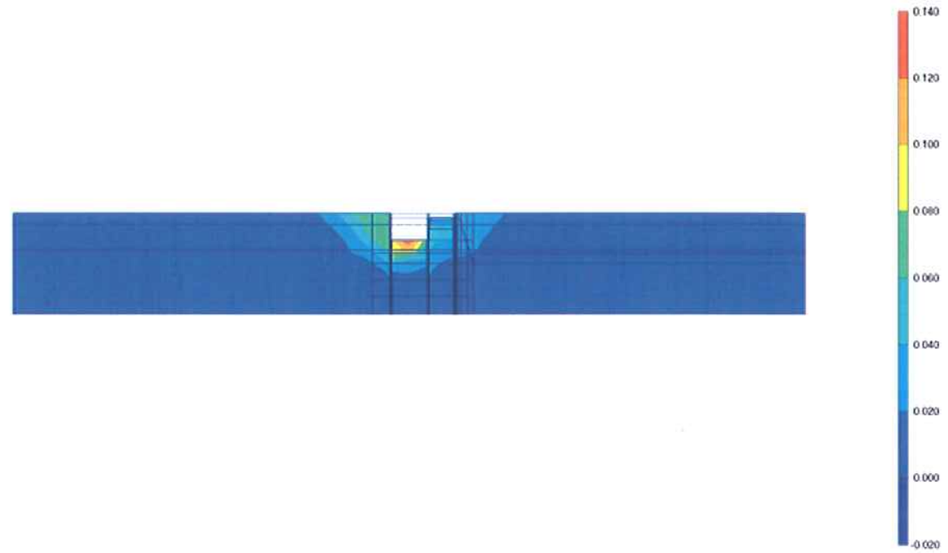


Fig. 306 Plot of total displacements (shadings)
- step no: 54 - (phase: 12)

6001

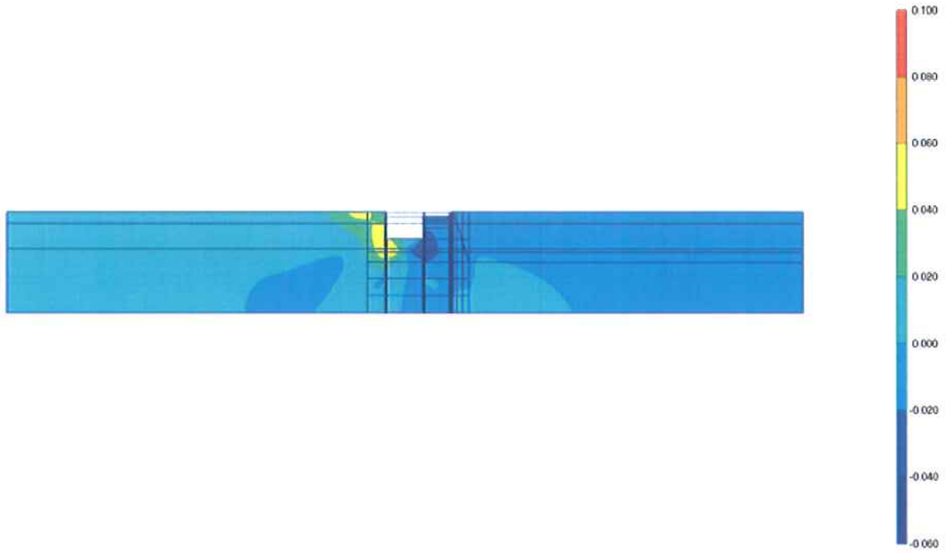


Fig. 307 Plot of horizontal displacements (shadings)
- step no: 54 - (phase: 12)

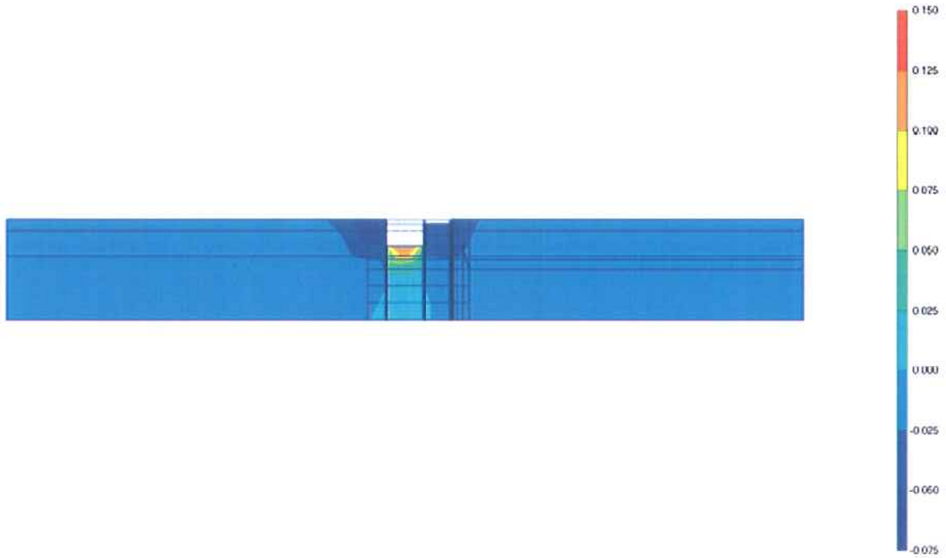


Fig. 308 Plot of vertical displacements (shadings)
- step no: 54 - (phase: 12)



Fig. 309 Horizontal displacements in beam (plate no: 1)
Extreme value 63.89*10-3 m (phase: 12)

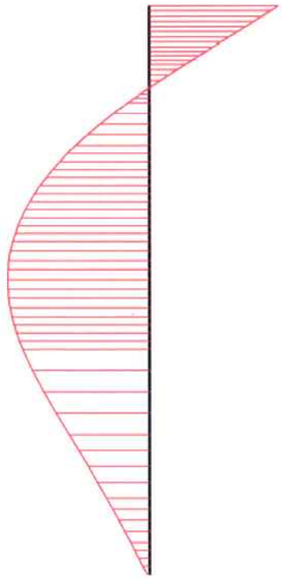


Fig. 310 Horizontal displacements in beam (plate no: 3)
Extreme value -34.68*10-3 m (phase: 12)

6002



Fig. 311 Horizontal displacements in beam (plate no: 4)
Extreme value -16.97*10-3 m (phase: 12)



Fig. 312 Horizontal displacements in beam (plate no: 9)
Extreme value -2.35*10-3 m (phase: 12)



Fig. 313 Vertical displacements in beam (plate no: 1)
Extreme value -34.50*10-3 m (phase: 12)



Fig. 314 Vertical displacements in beam (plate no: 3)
Extreme value -31.46*10-3 m (phase: 12)

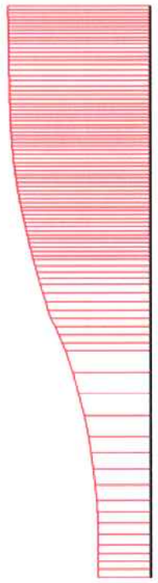


Fig. 315 Vertical displacements in beam (plate no: 4)
Extreme value -45.60*10-3 m (phase: 12)



Fig. 316 Vertical displacements in beam (plate no: 9)
Extreme value -16.91*10-3 m (phase: 12)



Fig. 317 Axial forces in beam (plate no: 1)
Extreme value -449.14 kN/m (phase: 12)



Fig. 318 Axial forces in beam (plate no: 3)
Extreme value -496.17 kN/m (phase: 12)



Fig. 319 Axial forces in beam (plate no: 4)
Extreme value -278.08 kN/m (phase: 12)



Fig. 320 Axial forces in beam (plate no: 9)
Extreme value -217.95 kN/m (phase: 12)

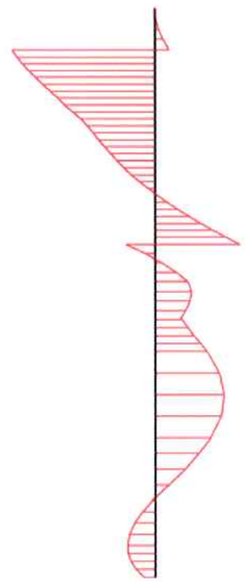


Fig. 321 Shear forces in beam (plate no: 1)
Extreme value 445.18 kN/m (phase: 12)

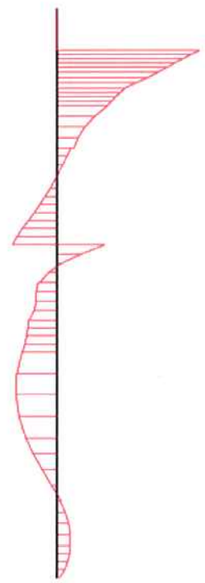


Fig. 322 Shear forces in beam (plate no: 3)
Extreme value -597.26 kN/m (phase: 12)

6005

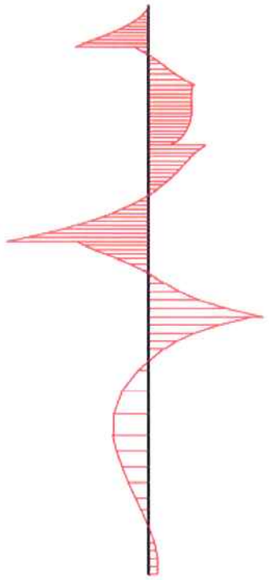


Fig. 323 Shear forces in beam (plate no: 4)
Extreme value 80.25 kN/m (phase: 12)

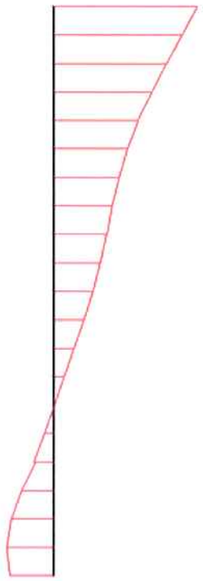


Fig. 324 Shear forces in beam (plate no: 9)
Extreme value -4.83 kN/m (phase: 12)

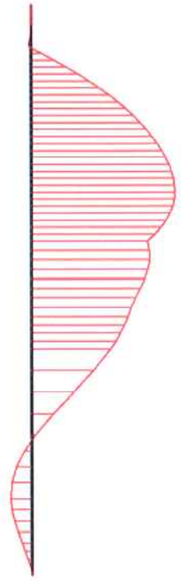


Fig. 325 Bending moments in beam (plate no: 1)
Extreme value -1.53*103 kNm/m (phase: 12)



Fig. 326 Bending moments in beam (plate no: 3)
Extreme value 1.26*103 kNm/m (phase: 12)

6006

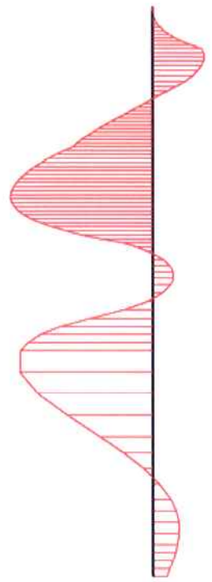


Fig. 327 Bending moments in beam (plate no: 4)
Extreme value 87.12 kNm/m (phase: 12)

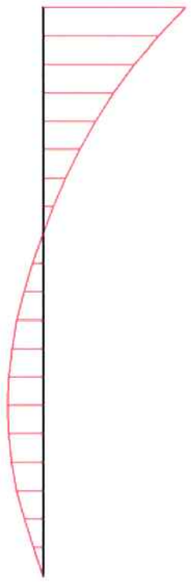


Fig. 328 Bending moments in beam (plate no: 9)
Extreme value -8.43 kNm/m (phase: 12)

22. Results for phase 13

Table [27] Step info phase no: 13

Step no:	62
Calculation type	PLASTIC
Extrapolation factor	0.342
Relative stiffness	0.040

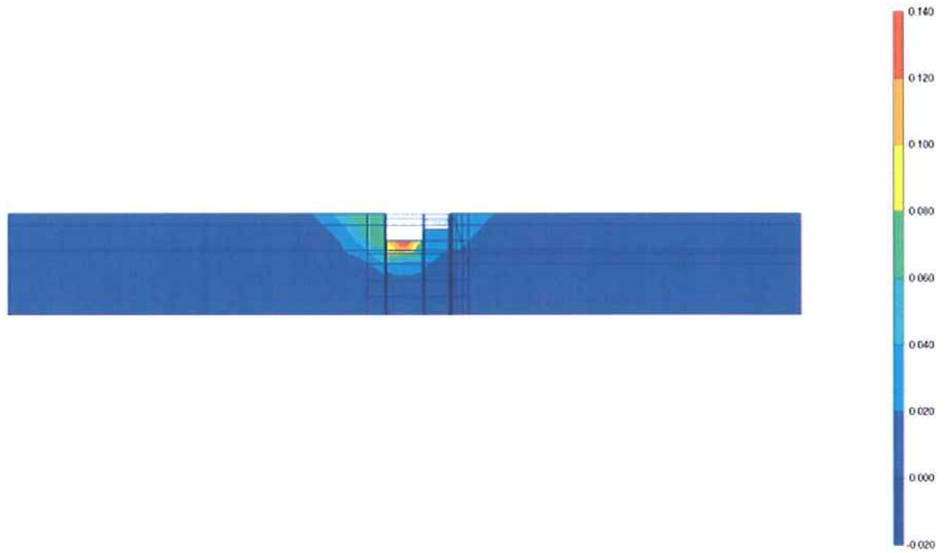


Fig. 329 Plot of total displacements (shadings)
- step no: 62 - (phase: 13)

6007

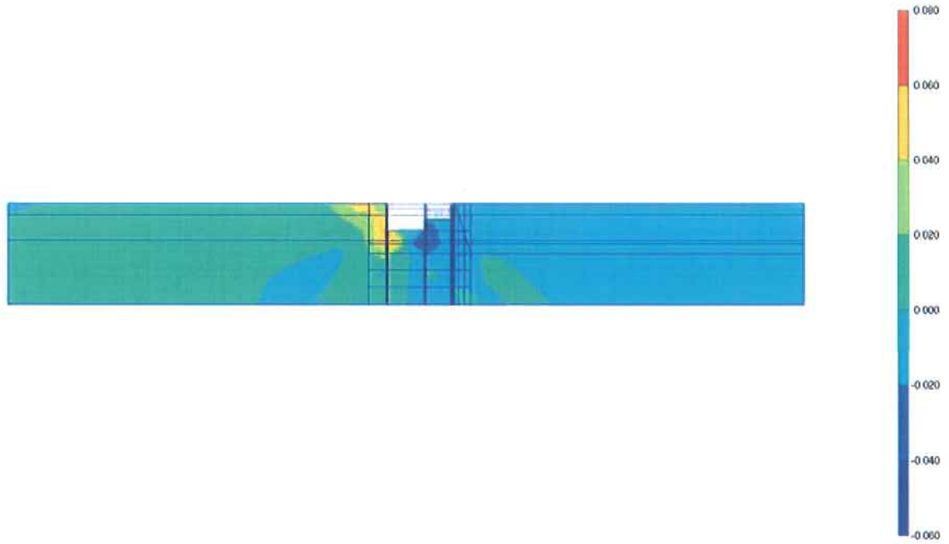


Fig. 330 Plot of horizontal displacements (shadings)
- step no: 62 - (phase: 13)

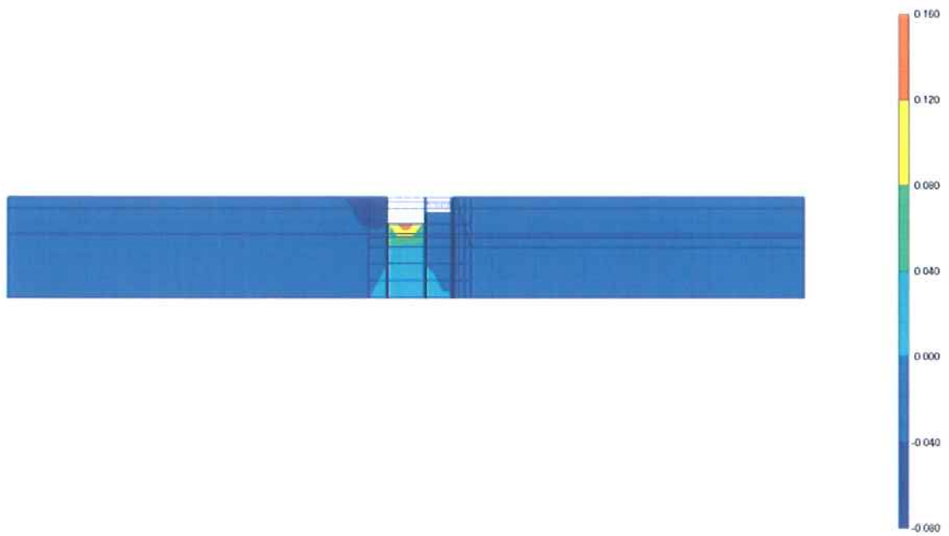


Fig. 331 Plot of vertical displacements (shadings)
- step no: 62 - (phase: 13)



Fig. 332 Horizontal displacements in beam (plate no: 1)
Extreme value 63.62*10-3 m (phase: 13)

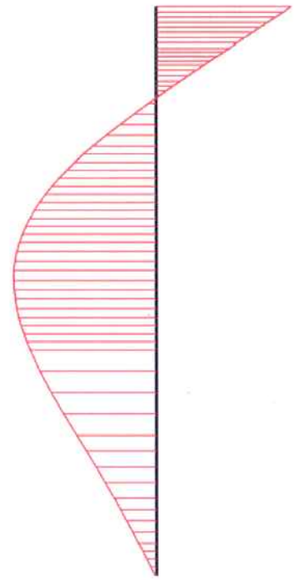


Fig. 333 Horizontal displacements in beam (plate no: 3)
Extreme value -34.97*10-3 m (phase: 13)

6008

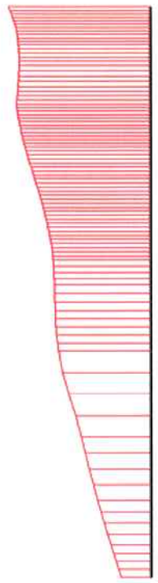


Fig. 334 Horizontal displacements in beam (plate no: 4)
Extreme value -12.88*10-3 m (phase: 13)



Fig. 335 Horizontal displacements in beam (plate no: 9)
Extreme value -2.73*10-3 m (phase: 13)



Fig. 336 Vertical displacements in beam (plate no: 1)
Extreme value -33.33*10-3 m (phase: 13)



Fig. 337 Vertical displacements in beam (plate no: 3)
Extreme value -19.46*10-3 m (phase: 13)



Fig. 338 Vertical displacements in beam (plate no: 4)
Extreme value -36.01*10-3 m (phase: 13)



Fig. 339 Vertical displacements in beam (plate no: 9)
Extreme value -7.52*10-3 m (phase: 13)



Fig. 340 Axial forces in beam (plate no: 1)
Extreme value -429.63 kN/m (phase: 13)

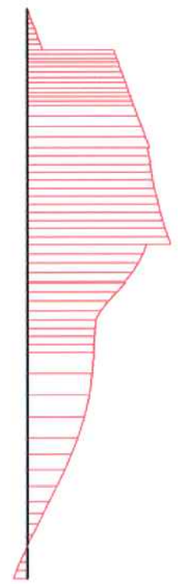


Fig. 341 Axial forces in beam (plate no: 3)
Extreme value -353.79 kN/m (phase: 13)

6010

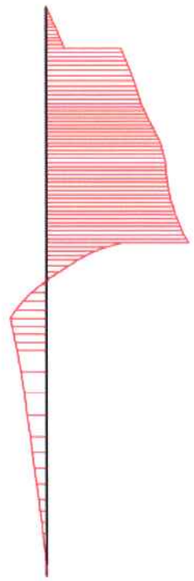


Fig. 342 Axial forces in beam (plate no: 4)
Extreme value -257.73 kN/m (phase: 13)

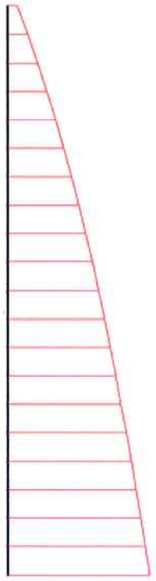


Fig. 343 Axial forces in beam (plate no: 9)
Extreme value -14.69 kN/m (phase: 13)

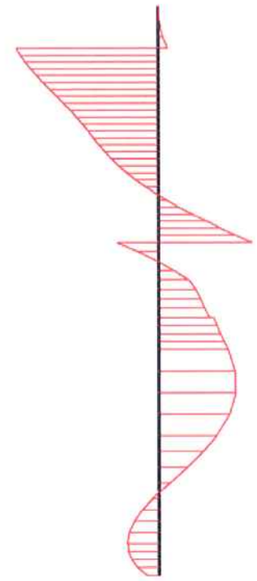


Fig. 344 Shear forces in beam (plate no: 1)
Extreme value 392.77 kN/m (phase: 13)

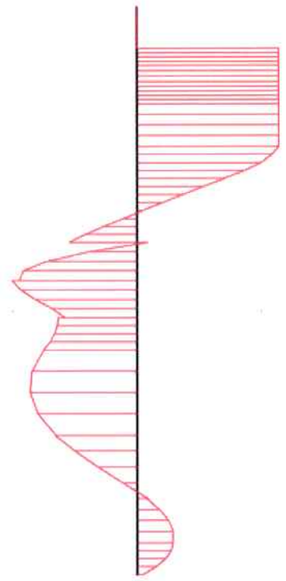


Fig. 345 Shear forces in beam (plate no: 3)
Extreme value -221.75 kN/m (phase: 13)

6011

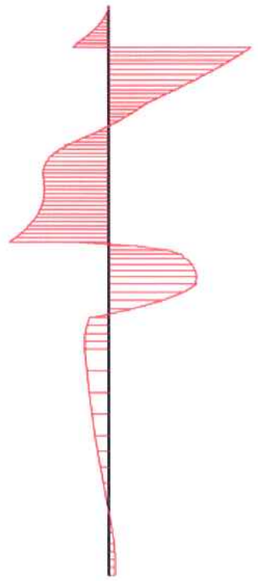


Fig. 346 Shear forces in beam (plate no: 4)
Extreme value -156.57 kN/m (phase: 13)

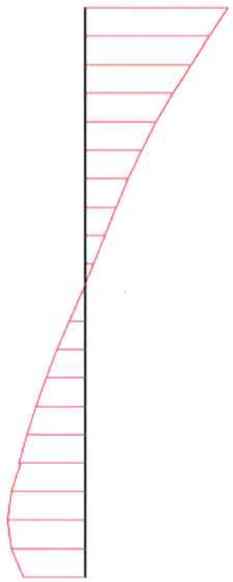


Fig. 347 Shear forces in beam (plate no: 9)
Extreme value -6.19 kN/m (phase: 13)



Fig. 348 Bending moments in beam (plate no: 1)
Extreme value -1.47*103 kNm/m (phase: 13)

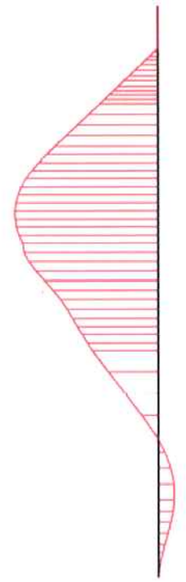


Fig. 349 Bending moments in beam (plate no: 3)
Extreme value 1.40*103 kNm/m (phase: 13)

6012

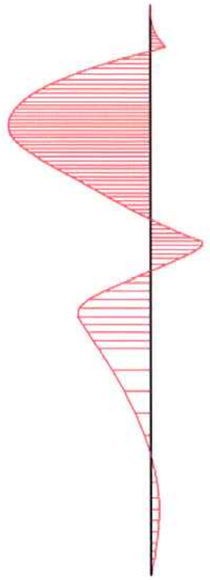


Fig. 350 Bending moments in beam (plate no: 4)
Extreme value 263.24 kNm/m (phase: 13)



Fig. 351 Bending moments in beam (plate no: 9)
Extreme value 7.88 kNm/m (phase: 13)

23. Results for phase 14

Table [28] Step info phase no: 14

Step no:	64
Calculation type	PLASTIC
Extrapolation factor	1.000
Relative stiffness	0.030

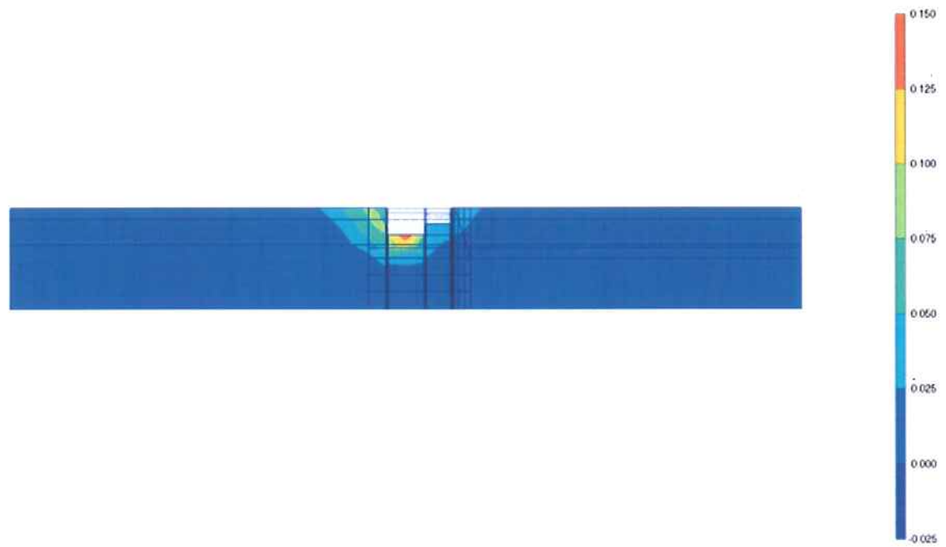


Fig. 352 Plot of total displacements (shadings)
- step no: 64 - (phase: 14)

6013

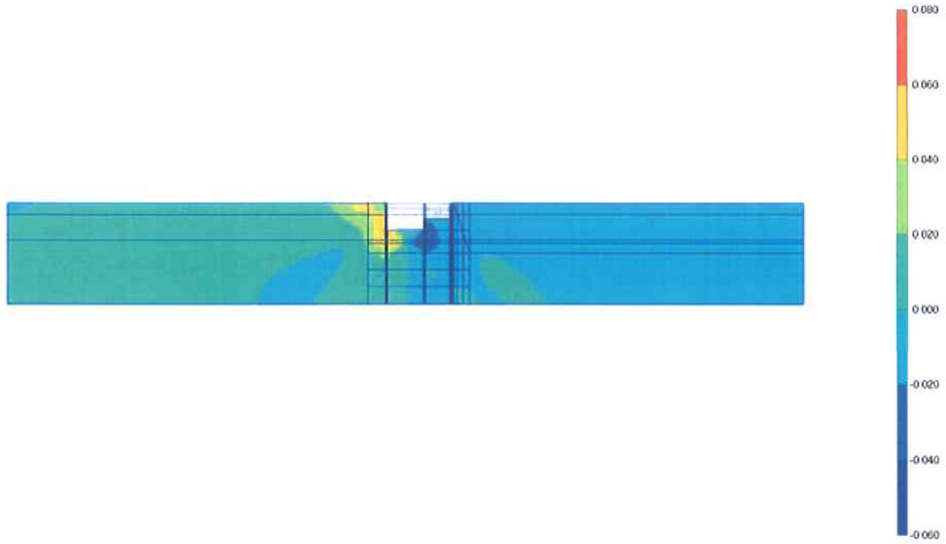


Fig. 353 Plot of horizontal displacements (shadings)
- step no: 64 - (phase: 14)

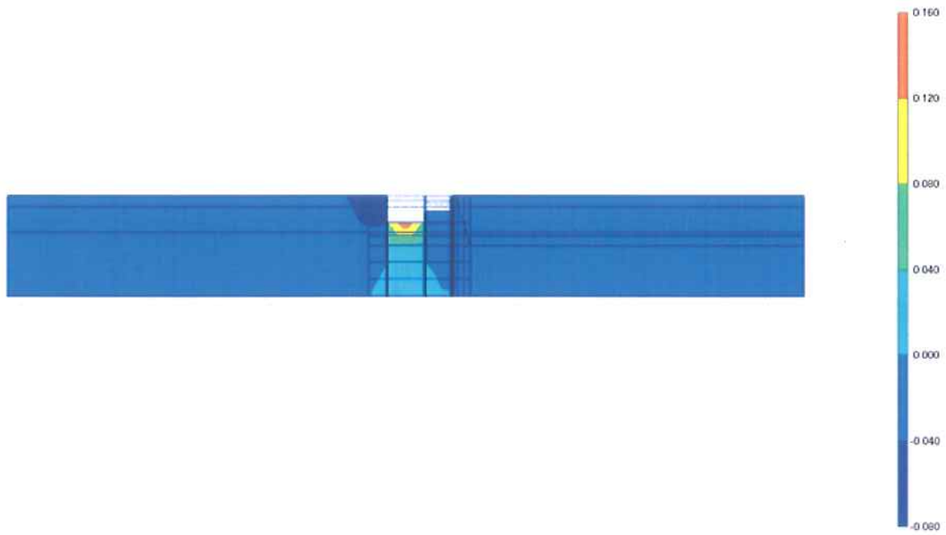


Fig. 354 Plot of vertical displacements (shadings)
- step no: 64 - (phase: 14)



Fig. 355 Horizontal displacements in beam (plate no: 1)
Extreme value 63.62*10-3 m (phase: 14)

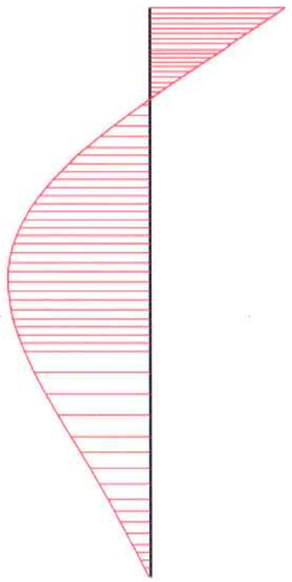


Fig. 356 Horizontal displacements in beam (plate no: 3)
Extreme value -34.97*10-3 m (phase: 14)

6014

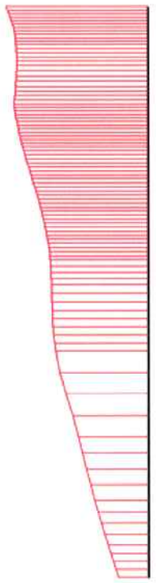


Fig. 357 Horizontal displacements in beam (plate no: 4)
Extreme value -12.88*10-3 m (phase: 14)



Fig. 358 Horizontal displacements in beam (plate no: 9)
Extreme value -2.73*10-3 m (phase: 14)



Fig. 359 Vertical displacements in beam (plate no: 1)
Extreme value -33.33*10-3 m (phase: 14)



Fig. 360 Vertical displacements in beam (plate no: 3)
Extreme value -19.46*10-3 m (phase: 14)

6015



Fig. 361 Vertical displacements in beam (plate no: 4)
Extreme value -36.02*10-3 m (phase: 14)



Fig. 362 Vertical displacements in beam (plate no: 9)
Extreme value -7.52*10-3 m (phase: 14)

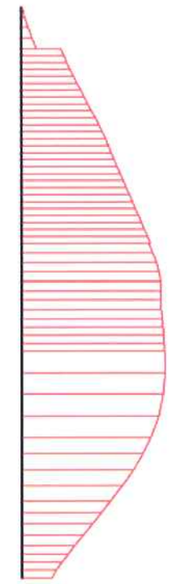


Fig. 363 Axial forces in beam (plate no: 1)
Extreme value -429.62 kN/m (phase: 14)

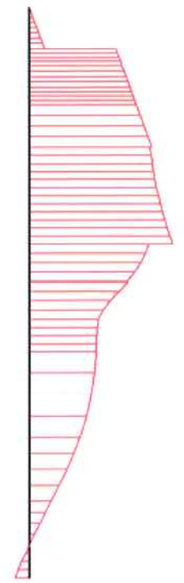


Fig. 364 Axial forces in beam (plate no: 3)
Extreme value -353.79 kN/m (phase: 14)

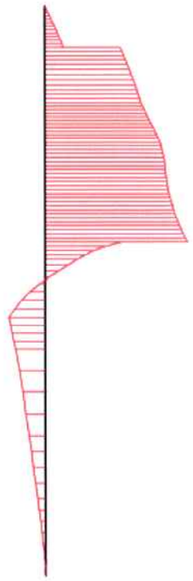


Fig. 365 Axial forces in beam (plate no: 4)
Extreme value -257.74 kN/m (phase: 14)

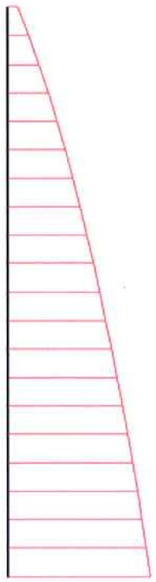


Fig. 366 Axial forces in beam (plate no: 9)
Extreme value -14.71 kN/m (phase: 14)

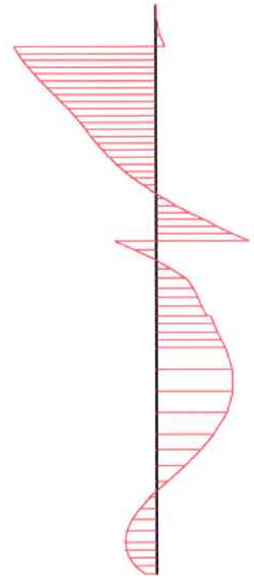


Fig. 367 Shear forces in beam (plate no: 1)
Extreme value 392.80 kN/m (phase: 14)

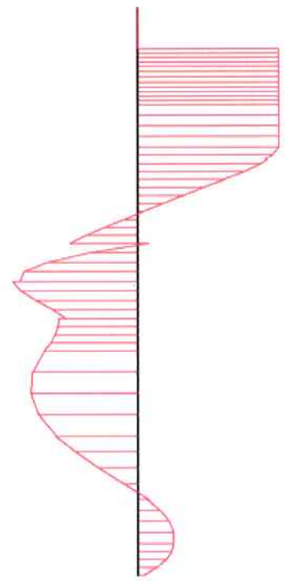


Fig. 368 Shear forces in beam (plate no: 3)
Extreme value -221.76 kN/m (phase: 14)

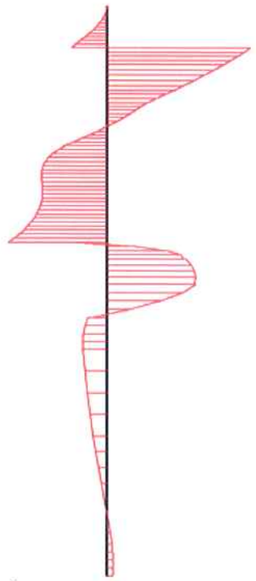


Fig. 369 Shear forces in beam (plate no: 4)
Extreme value -156.60 kN/m (phase: 14)

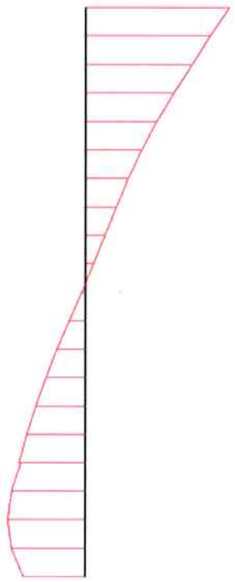


Fig. 370 Shear forces in beam (plate no: 9)
Extreme value -6.19 kN/m (phase: 14)



Fig. 371 Bending moments in beam (plate no: 1)
Extreme value -1.47*103 kNm/m (phase: 14)

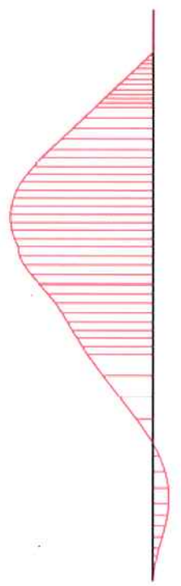


Fig. 372 Bending moments in beam (plate no: 3)
Extreme value 1.40*103 kNm/m (phase: 14)

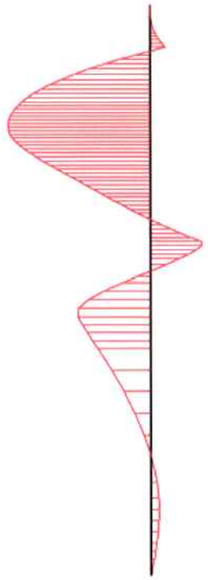


Fig. 373 Bending moments in beam (plate no: 4)
Extreme value 263.36 kNm/m (phase: 14)

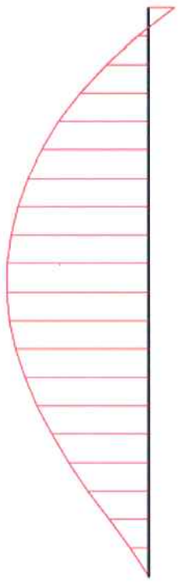


Fig. 374 Bending moments in beam (plate no: 9)
Extreme value 7.89 kNm/m (phase: 14)

24. Results for phase 15

Table [29] Step info phase no: 15

Step no:	66
Calculation type	PLASTIC
Extrapolation factor	1.000
Relative stiffness	0.999

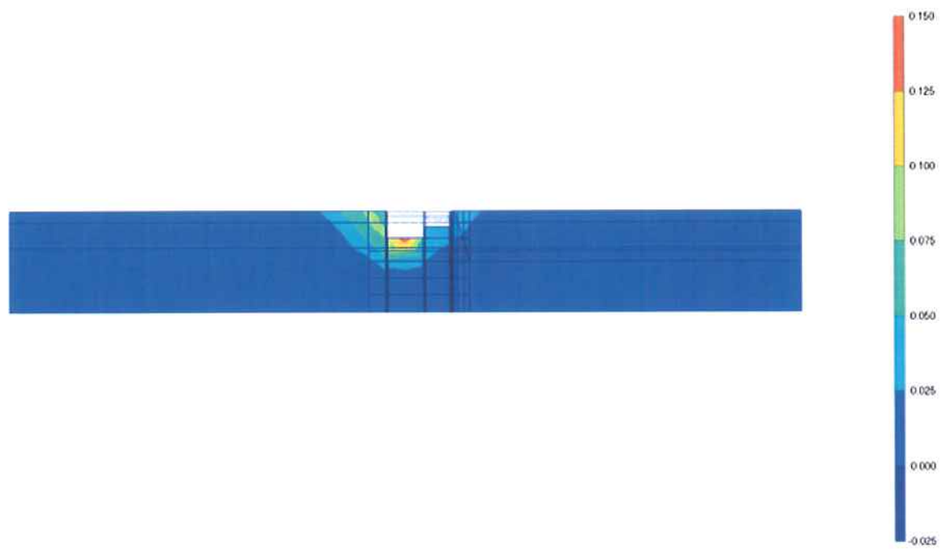


Fig. 375 Plot of total displacements (shadings)
- step no: 66 - (phase: 15)

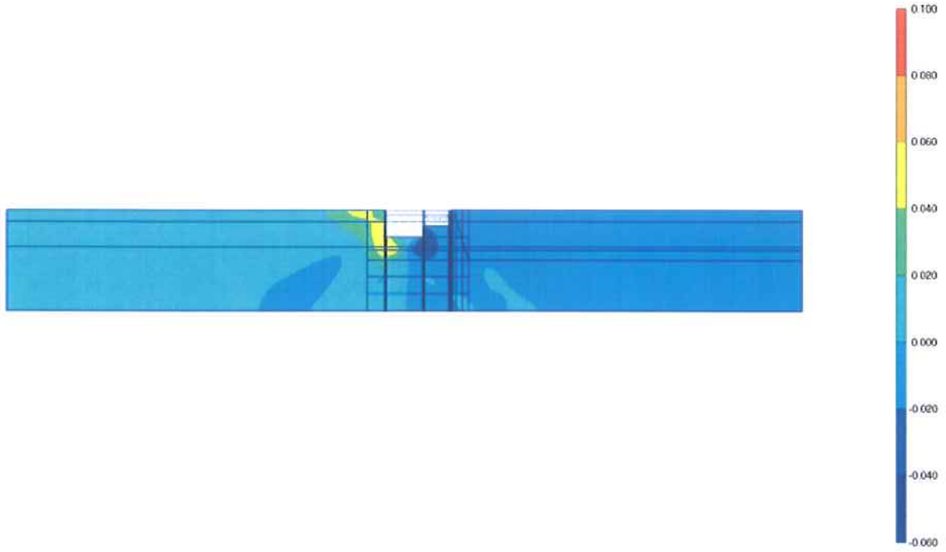


Fig. 376 Plot of horizontal displacements (shadings)
- step no: 66 - (phase: 15)

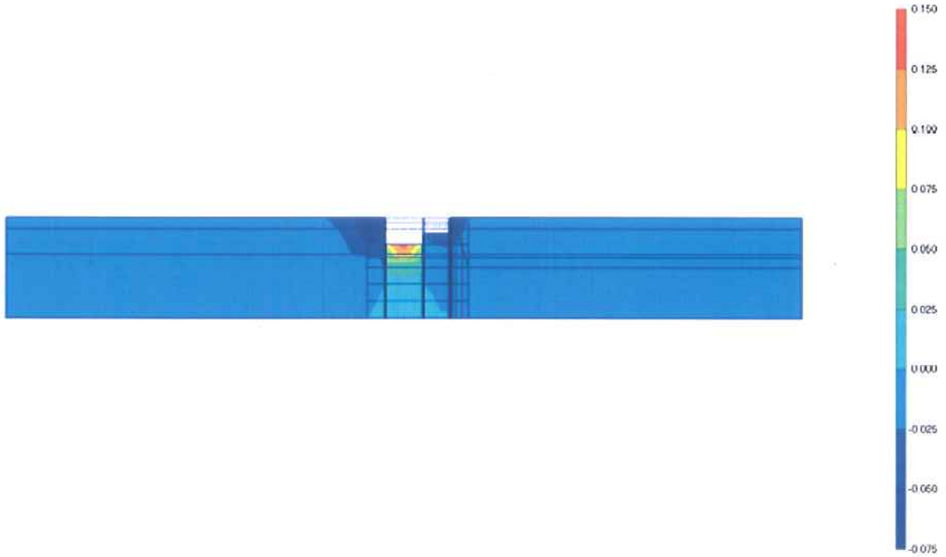


Fig. 377 Plot of vertical displacements (shadings)
- step no: 66 - (phase: 15)

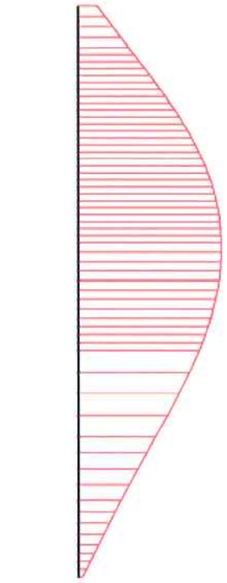


Fig. 378 Horizontal displacements in beam (plate no: 1)
Extreme value 63.87*10-3 m (phase: 15)

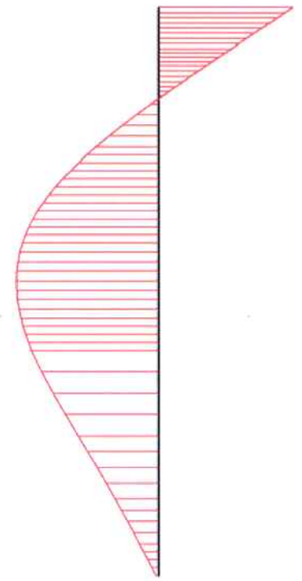


Fig. 379 Horizontal displacements in beam (plate no: 3)
Extreme value -34.90*10-3 m (phase: 15)

6020



Fig. 380 Horizontal displacements in beam (plate no: 4)
Extreme value -12.74*10-3 m (phase: 15)

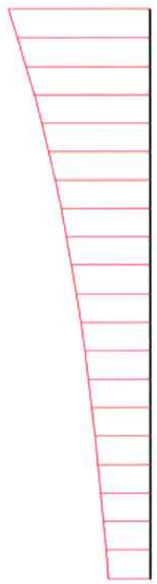


Fig. 381 Horizontal displacements in beam (plate no: 9)
Extreme value -3.16*10-3 m (phase: 15)



Fig. 382 Vertical displacements in beam (plate no: 1)
Extreme value -33.57*10-3 m (phase: 15)



Fig. 383 Vertical displacements in beam (plate no: 3)
Extreme value -20.08*10-3 m (phase: 15)

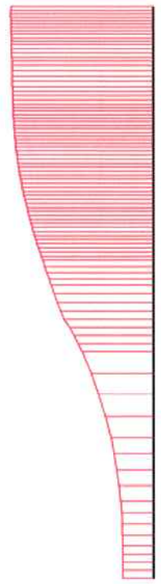


Fig. 384 Vertical displacements in beam (plate no: 4)
Extreme value -36.48*10-3 m (phase: 15)



Fig. 385 Vertical displacements in beam (plate no: 9)
Extreme value -7.97*10-3 m (phase: 15)



Fig. 386 Axial forces in beam (plate no: 1)
Extreme value -458.23 kN/m (phase: 15)

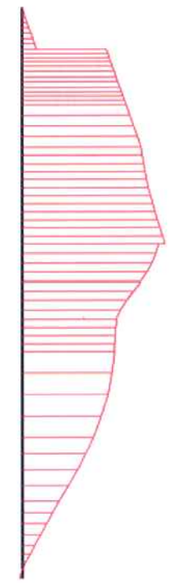


Fig. 387 Axial forces in beam (plate no: 3)
Extreme value -362.72 kN/m (phase: 15)

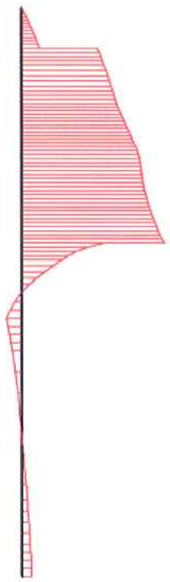


Fig. 388 Axial forces in beam (plate no: 4)
Extreme value -255.04 kN/m (phase: 15)



Fig. 389 Axial forces in beam (plate no: 9)
Extreme value -18.72 kN/m (phase: 15)

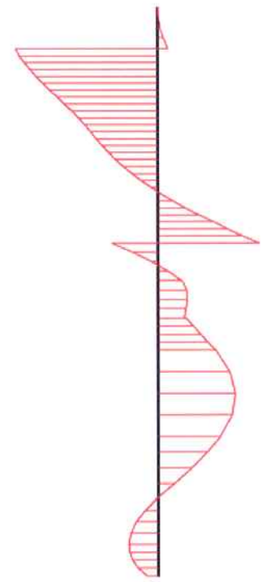


Fig. 390 Shear forces in beam (plate no: 1)
Extreme value 402.94 kN/m (phase: 15)

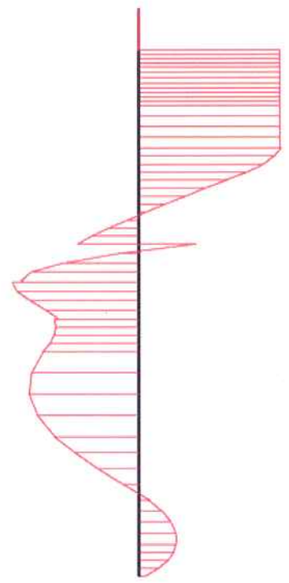


Fig. 391 Shear forces in beam (plate no: 3)
Extreme value -216.60 kN/m (phase: 15)

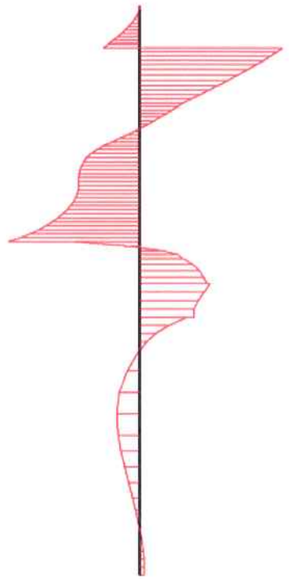


Fig. 392 Shear forces in beam (plate no: 4)
Extreme value -172.78 kN/m (phase: 15)

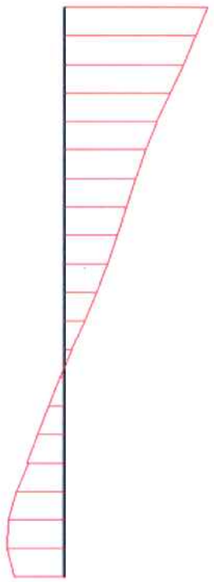


Fig. 393 Shear forces in beam (plate no: 9)
Extreme value -5.57 kN/m (phase: 15)



Fig. 394 Bending moments in beam (plate no: 1)
Extreme value -1.45*103 kNm/m (phase: 15)



Fig. 395 Bending moments in beam (plate no: 3)
Extreme value 1.36*103 kNm/m (phase: 15)

6024

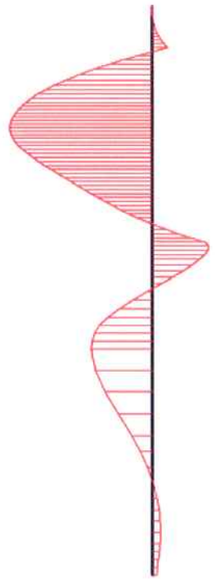


Fig. 396 Bending moments in beam (plate no: 4)
Extreme value 299.73 kNm/m (phase: 15)

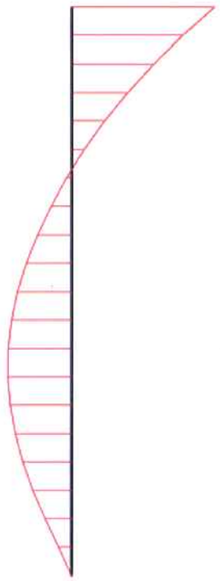


Fig. 397 Bending moments in beam (plate no: 9)
Extreme value -8.35 kNm/m (phase: 15)

25. Results for phase 16

Table [30] Step info phase no: 16

Step no:	81
Calculation type	PLASTIC
Extrapolation factor	0.479
Relative stiffness	0.013

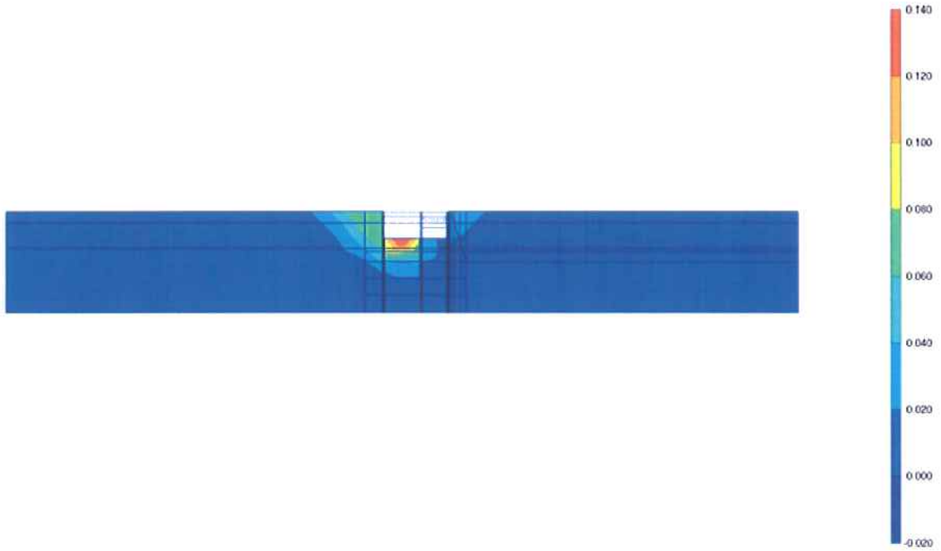


Fig. 398 Plot of total displacements (shadings)
- step no: 81 - (phase: 16)

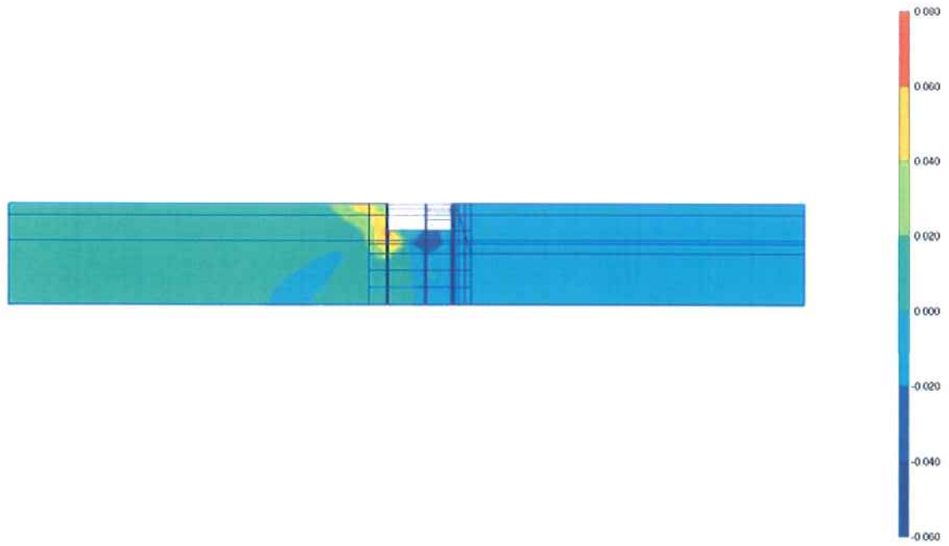


Fig. 399 Plot of horizontal displacements (shadings)
- step no: 81 - (phase: 16)

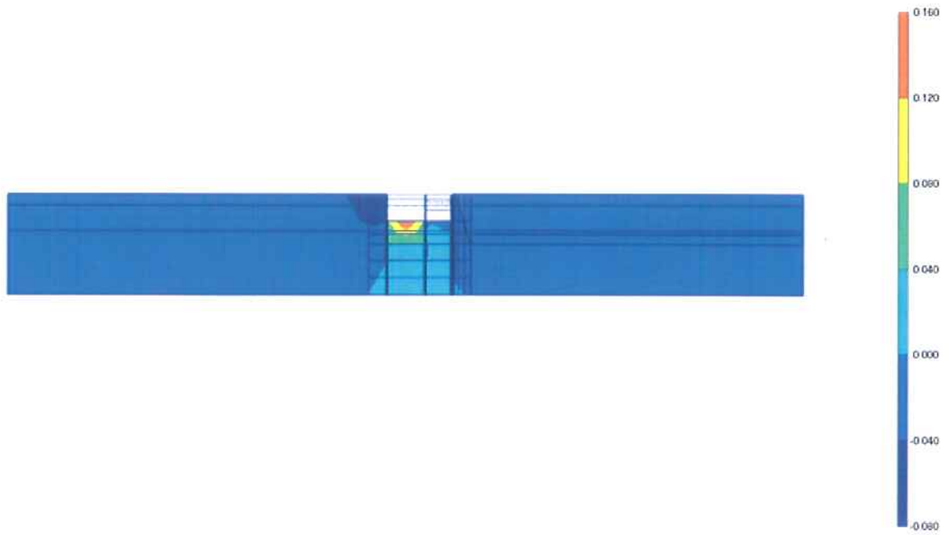


Fig. 400 Plot of vertical displacements (shadings)
- step no: 81 - (phase: 16)



Fig. 401 Horizontal displacements in beam (plate no: 1)
Extreme value 63.86*10-3 m (phase: 16)

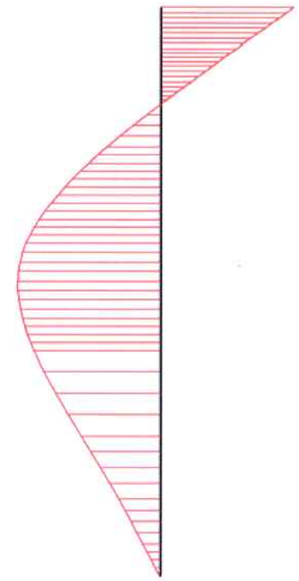


Fig. 402 Horizontal displacements in beam (plate no: 3)
Extreme value -35.45*10-3 m (phase: 16)



Fig. 403 Horizontal displacements in beam (plate no: 4)
Extreme value -13.52*10-3 m (phase: 16)

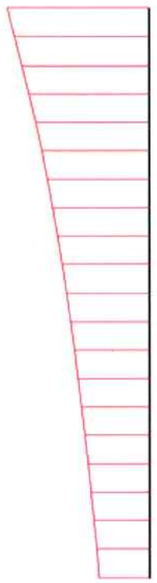


Fig. 404 Horizontal displacements in beam (plate no: 9)
Extreme value -4.10*10-3 m (phase: 16)



Fig. 405 Vertical displacements in beam (plate no: 1)
Extreme value -33.08*10-3 m (phase: 16)



Fig. 406 Vertical displacements in beam (plate no: 3)
Extreme value -6.96*10-3 m (phase: 16)



Fig. 407 Vertical displacements in beam (plate no: 4)
Extreme value -29.41*10-3 m (phase: 16)



Fig. 408 Vertical displacements in beam (plate no: 9)
Extreme value -973.58*10-6 m (phase: 16)



Fig. 409 Axial forces in beam (plate no: 1)
Extreme value -463.54 kN/m (phase: 16)

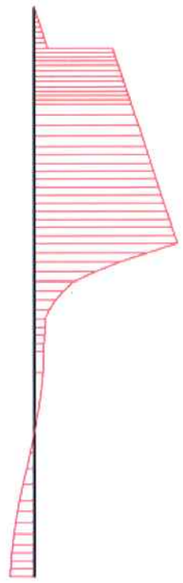


Fig. 410 Axial forces in beam (plate no: 3)
Extreme value -388.31 kN/m (phase: 16)

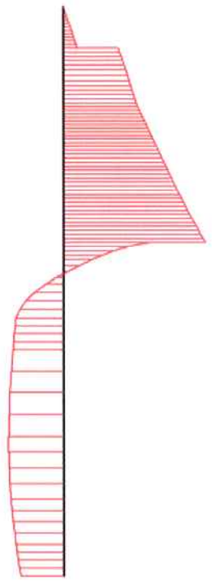


Fig. 411 Axial forces in beam (plate no: 4)
Extreme value -358.65 kN/m (phase: 16)

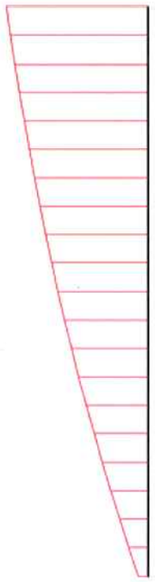


Fig. 412 Axial forces in beam (plate no: 9)
Extreme value 108.97 kN/m (phase: 16)

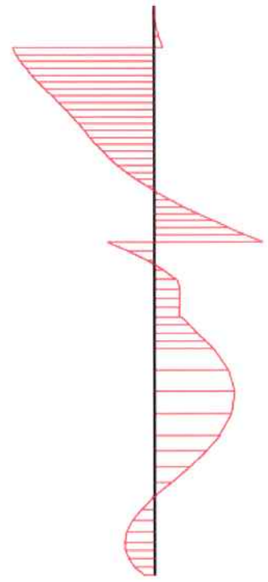


Fig. 413 Shear forces in beam (plate no: 1)
Extreme value 385.69 kN/m (phase: 16)

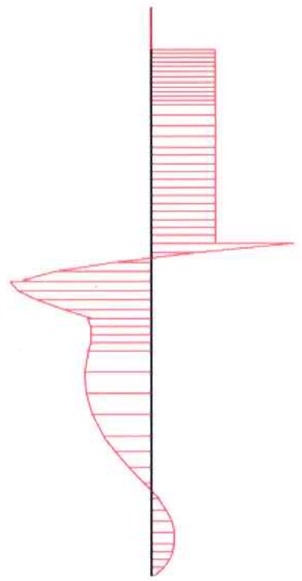


Fig. 414 Shear forces in beam (plate no: 3)
Extreme value 371.86 kN/m (phase: 16)

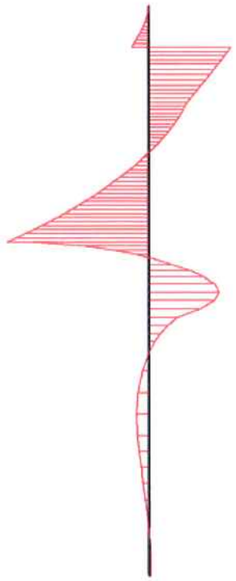


Fig. 415 Shear forces in beam (plate no: 4)
Extreme value 347.01 kN/m (phase: 16)

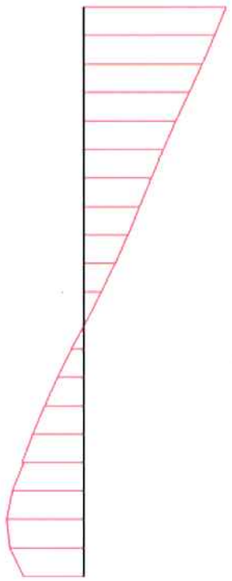


Fig. 416 Shear forces in beam (plate no: 9)
Extreme value -5.69 kN/m (phase: 16)

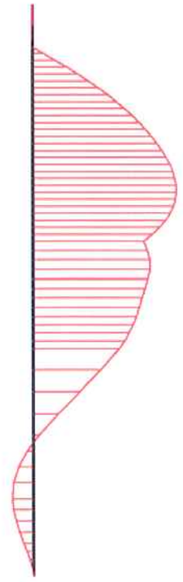


Fig. 417 Bending moments in beam (plate no: 1)
Extreme value -1.43*103 kNm/m (phase: 16)

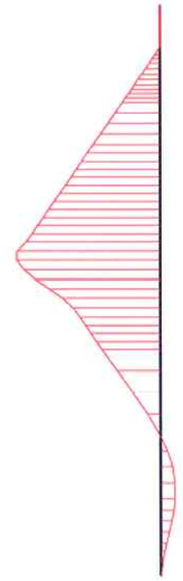


Fig. 418 Bending moments in beam (plate no: 3)
Extreme value 1.62*103 kNm/m (phase: 16)

6030

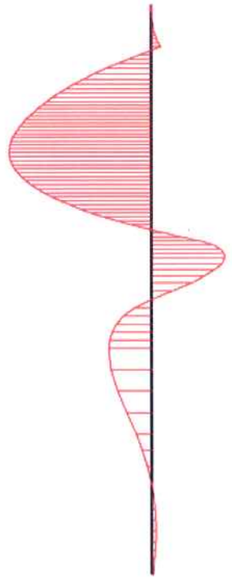


Fig. 419 Bending moments in beam (plate no: 4)
Extreme value 469.13 kNm/m (phase: 16)

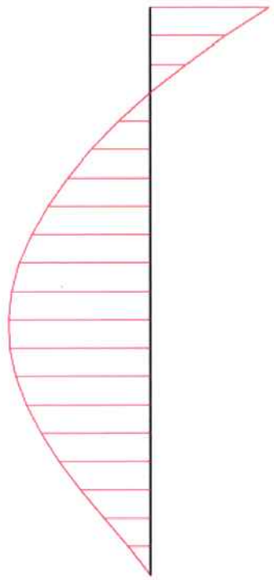


Fig. 420 Bending moments in beam (plate no: 9)
Extreme value 6.21 kNm/m (phase: 16)

26. Results for phase 17

Table [31] Step info phase no: 17

Step no:	83
Calculation type	PLASTIC
Extrapolation factor	1.000
Relative stiffness	0.994

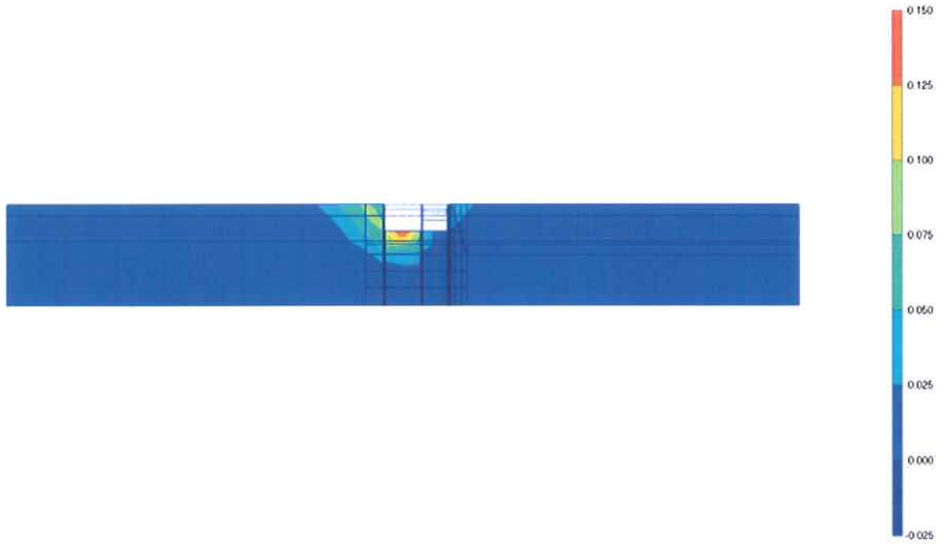


Fig. 421 Plot of total displacements (shadings)
- step no: 83 - (phase: 17)

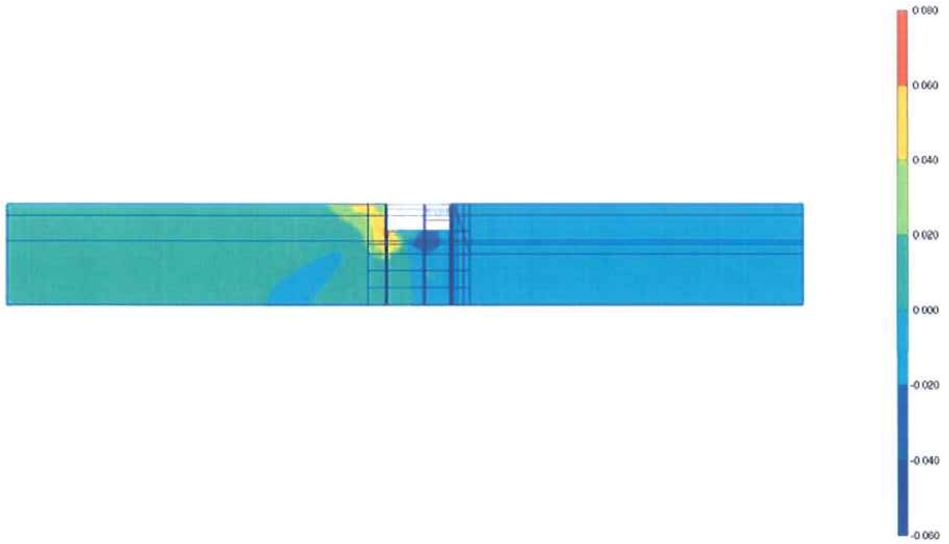


Fig. 422 Plot of horizontal displacements (shadings)
- step no: 83 - (phase: 17)

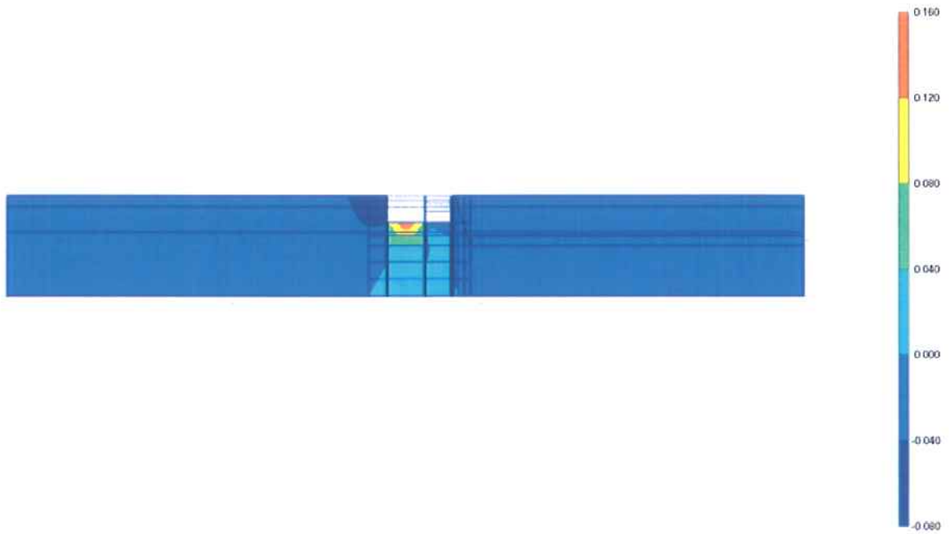


Fig. 423 Plot of vertical displacements (shadings)
- step no: 83 - (phase: 17)



Fig. 424 Horizontal displacements in beam (plate no: 1)
Extreme value 63.88*10-3 m (phase: 17)

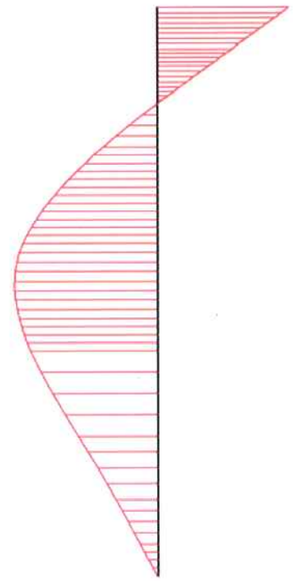


Fig. 425 Horizontal displacements in beam (plate no: 3)
Extreme value -35.46*10-3 m (phase: 17)

6032

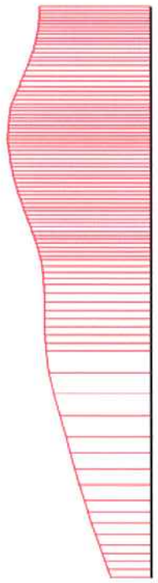


Fig. 426 Horizontal displacements in beam (plate no: 4)
Extreme value -13.75*10-3 m (phase: 17)

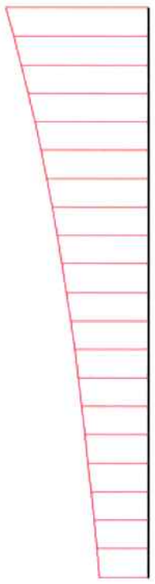


Fig. 427 Horizontal displacements in beam (plate no: 9)
Extreme value -3.95*10-3 m (phase: 17)



Fig. 428 Vertical displacements in beam (plate no: 1)
Extreme value -33.32*10-3 m (phase: 17)



Fig. 429 Vertical displacements in beam (plate no: 3)
Extreme value -9.27*10-3 m (phase: 17)

6033

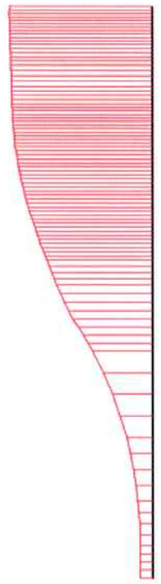


Fig. 430 Vertical displacements in beam (plate no: 4)
Extreme value -31.38*10-3 m (phase: 17)



Fig. 431 Vertical displacements in beam (plate no: 9)
Extreme value -2.90*10-3 m (phase: 17)



Fig. 432 Axial forces in beam (plate no: 1)
Extreme value -462.95 kN/m (phase: 17)

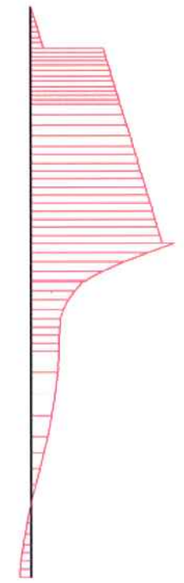


Fig. 433 Axial forces in beam (plate no: 3)
Extreme value -422.77 kN/m (phase: 17)

6034

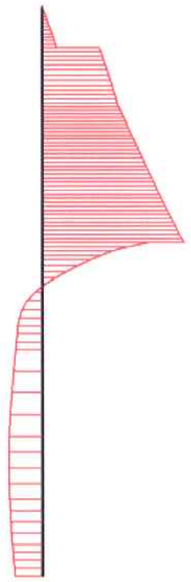


Fig. 434 Axial forces in beam (plate no: 4)
Extreme value -343.10 kN/m (phase: 17)

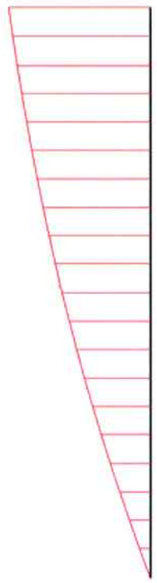


Fig. 435 Axial forces in beam (plate no: 9)
Extreme value 66.34 kN/m (phase: 17)

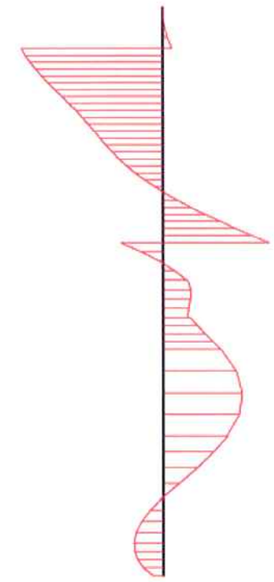


Fig. 436 Shear forces in beam (plate no: 1)
Extreme value 391.38 kN/m (phase: 17)

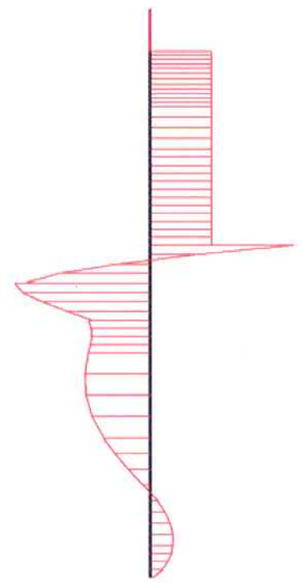


Fig. 437 Shear forces in beam (plate no: 3)
Extreme value -381.72 kN/m (phase: 17)

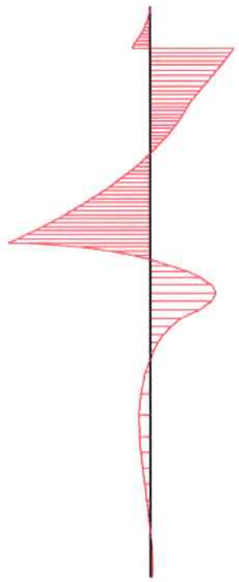


Fig. 438 Shear forces in beam (plate no: 4)
Extreme value 349.94 kN/m (phase: 17)

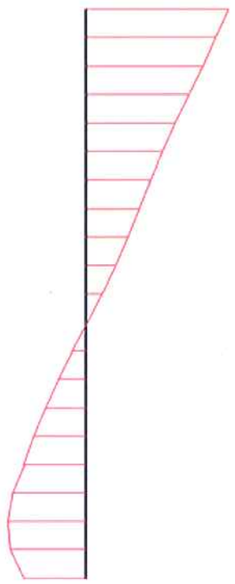


Fig. 439 Shear forces in beam (plate no: 9)
Extreme value -5.31 kN/m (phase: 17)

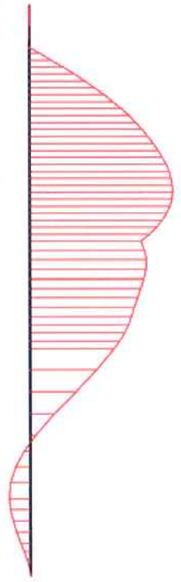


Fig. 440 Bending moments in beam (plate no: 1)
Extreme value -1.44*103 kNm/m (phase: 17)



Fig. 441 Bending moments in beam (plate no: 3)
Extreme value 1.61*103 kNm/m (phase: 17)

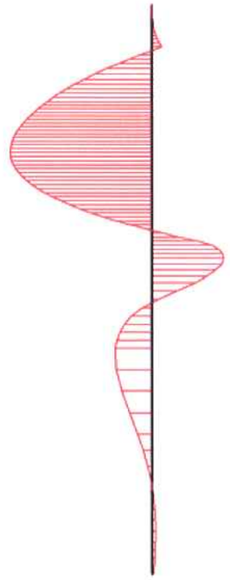


Fig. 442 Bending moments in beam (plate no: 4)
Extreme value 481.87 kNm/m (phase: 17)

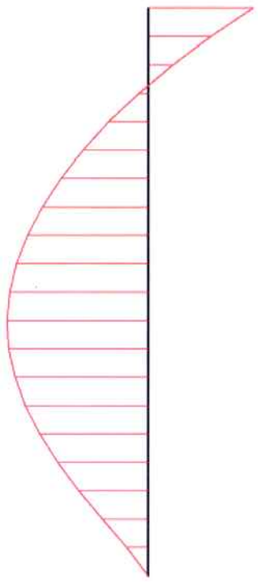


Fig. 443 Bending moments in beam (plate no: 9)
Extreme value 5.93 kNm/m (phase: 17)

27. Results for phase 18

Table [32] Step info phase no: 18

Step no:	85
Calculation type	PLASTIC
Extrapolation factor	1.000
Relative stiffness	0.100

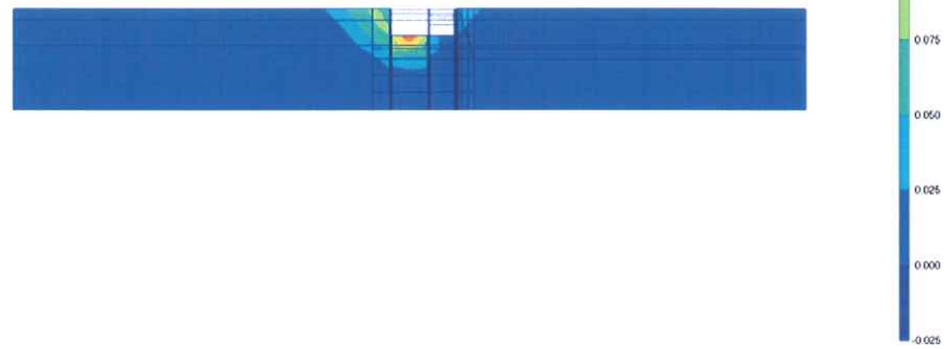


Fig. 444 Plot of total displacements (shadings)
- step no: 85 - (phase: 18)

6037

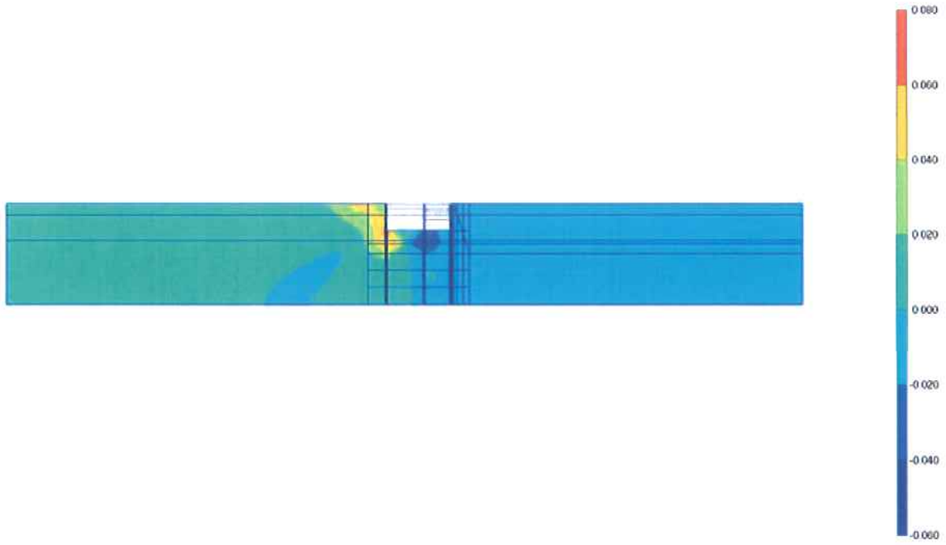


Fig. 445 Plot of horizontal displacements (shadings)
- step no: 85 - (phase: 18)

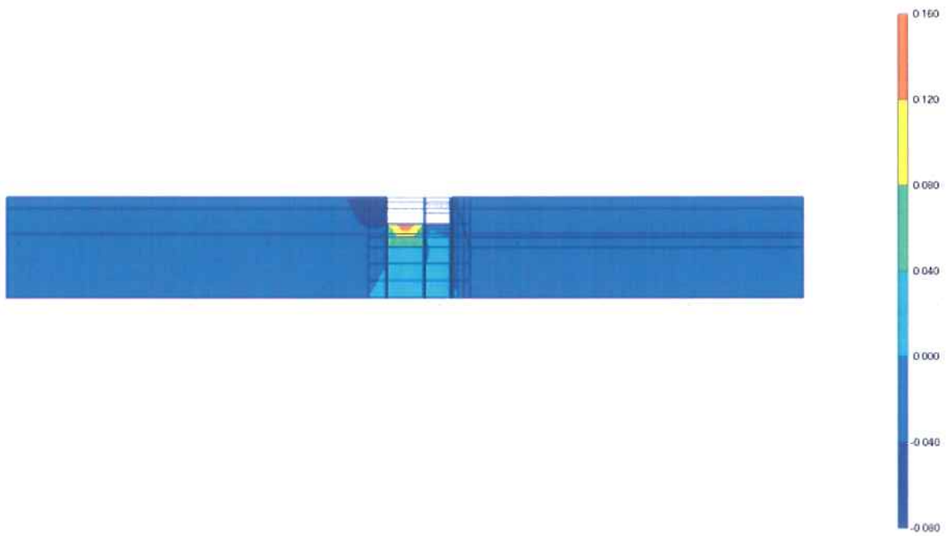


Fig. 446 Plot of vertical displacements (shadings)
- step no: 85 - (phase: 18)



Fig. 447 Horizontal displacements in beam (plate no: 1)
Extreme value 63.88*10-3 m (phase: 18)

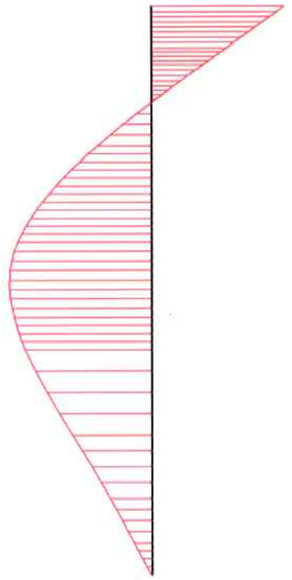


Fig. 448 Horizontal displacements in beam (plate no: 3)
Extreme value -35.46*10-3 m (phase: 18)

6038

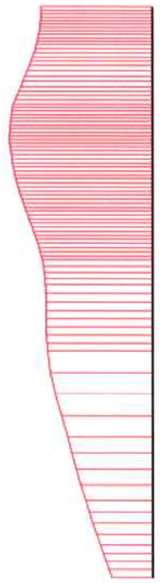


Fig. 449 Horizontal displacements in beam (plate no: 4)
Extreme value -13.75*10-3 m (phase: 18)



Fig. 450 Horizontal displacements in beam (plate no: 9)
Extreme value -3.95*10-3 m (phase: 18)



Fig. 451 Vertical displacements in beam (plate no: 1)
Extreme value -33.32*10-3 m (phase: 18)



Fig. 452 Vertical displacements in beam (plate no: 3)
Extreme value -9.27*10-3 m (phase: 18)

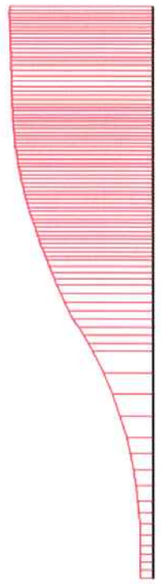


Fig. 453 Vertical displacements in beam (plate no: 4)
Extreme value -31.38*10-3 m (phase: 18)



Fig. 454 Vertical displacements in beam (plate no: 9)
Extreme value -2.90*10-3 m (phase: 18)



Fig. 455 Axial forces in beam (plate no: 1)
Extreme value -462.95 kN/m (phase: 18)

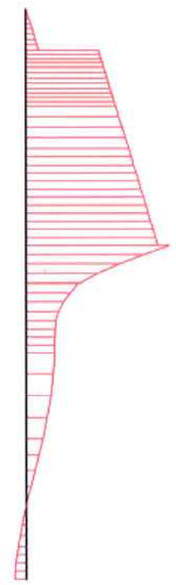


Fig. 456 Axial forces in beam (plate no: 3)
Extreme value -422.14 kN/m (phase: 18)

6040

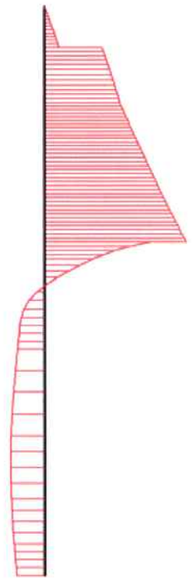


Fig. 457 Axial forces in beam (plate no: 4)
Extreme value -343.11 kN/m (phase: 18)

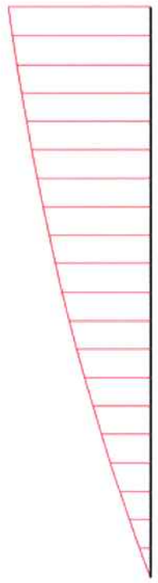


Fig. 458 Axial forces in beam (plate no: 9)
Extreme value 66.34 kN/m (phase: 18)

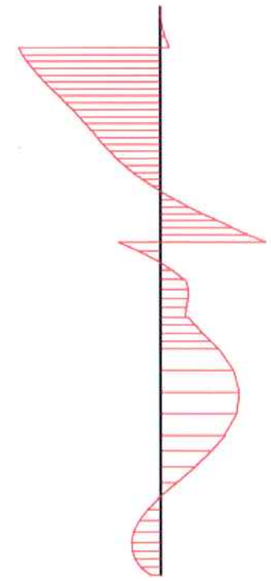


Fig. 459 Shear forces in beam (plate no: 1)
Extreme value 391.38 kN/m (phase: 18)

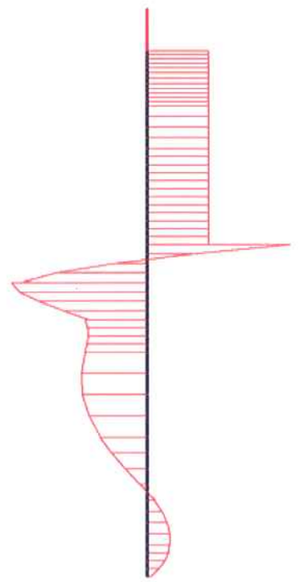


Fig. 460 Shear forces in beam (plate no: 3)
Extreme value -381.87 kN/m (phase: 18)

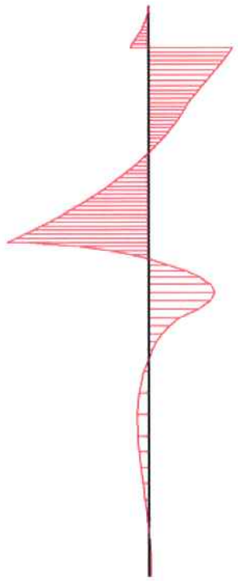


Fig. 461 Shear forces in beam (plate no: 4)
Extreme value 349.94 kN/m (phase: 18)

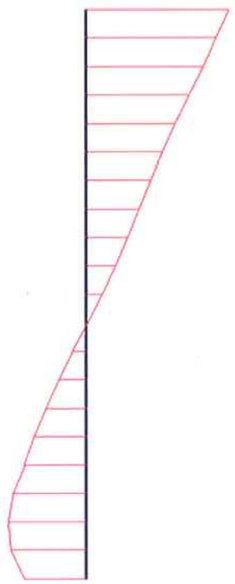


Fig. 462 Shear forces in beam (plate no: 9)
Extreme value -5.31 kN/m (phase: 18)

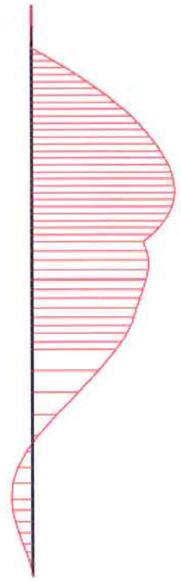


Fig. 463 Bending moments in beam (plate no: 1)
Extreme value -1.44*103 kNm/m (phase: 18)



Fig. 464 Bending moments in beam (plate no: 3)
Extreme value 1.61*103 kNm/m (phase: 18)

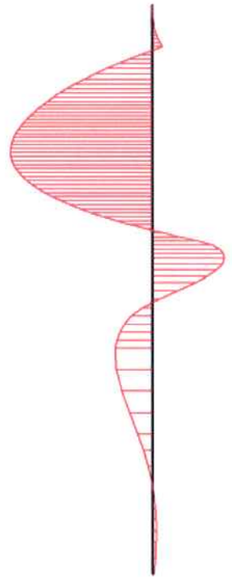


Fig. 465 Bending moments in beam (plate no: 4)
Extreme value 481.90 kNm/m (phase: 18)

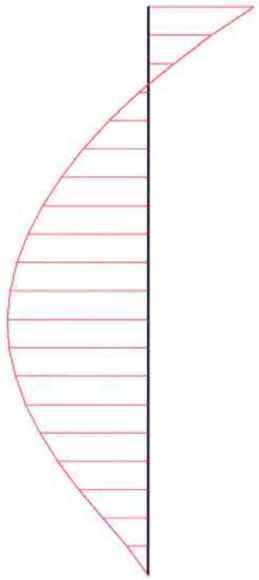


Fig. 466 Bending moments in beam (plate no: 9)
Extreme value 5.93 kNm/m (phase: 18)

28. Results for phase 19

Table [33] Step info phase no: 19

Step no:	89
Calculation type	PLASTIC
Extrapolation factor	0.452
Relative stiffness	0.656

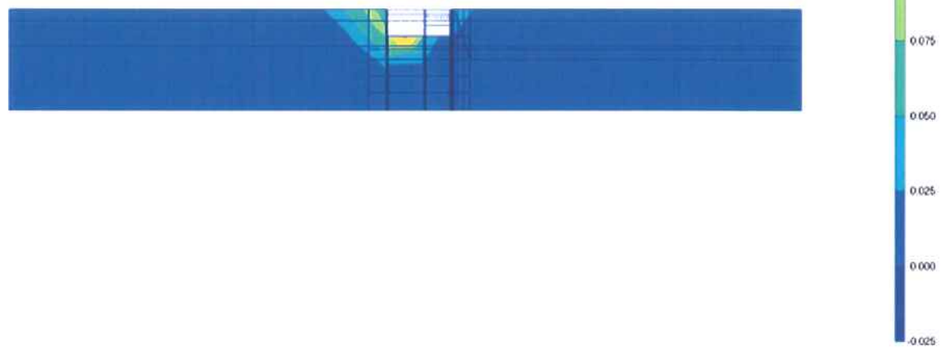


Fig. 467 Plot of total displacements (shadings)
- step no: 89 - (phase: 19)

6043

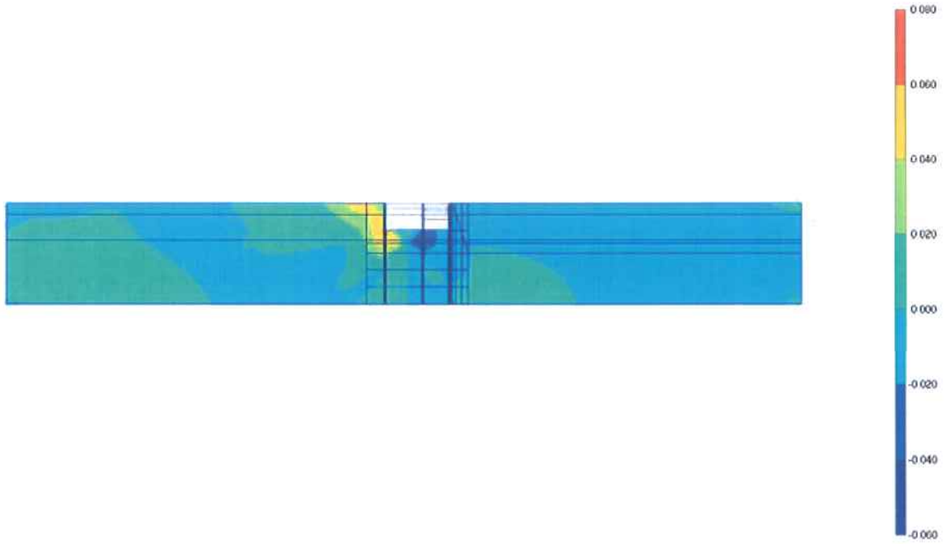


Fig. 468 Plot of horizontal displacements (shadings)
- step no: 89 - (phase: 19)

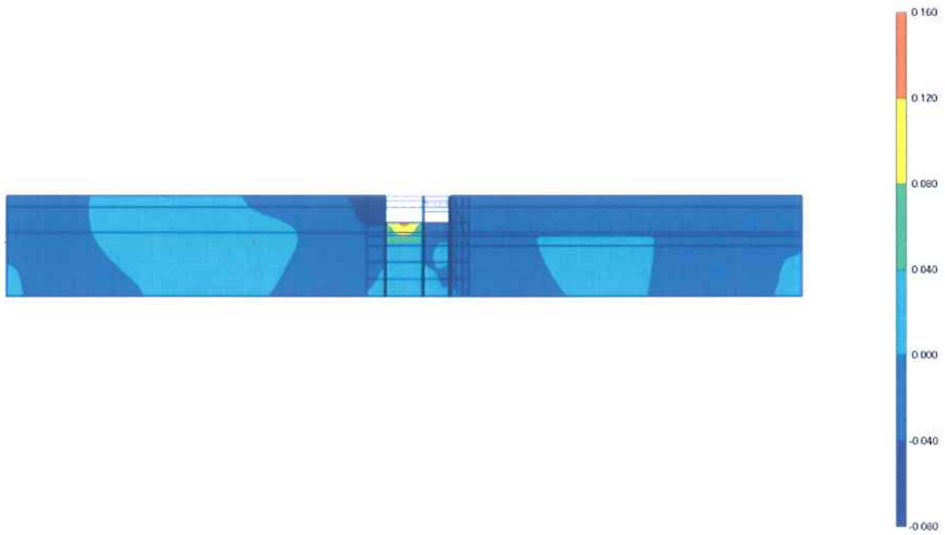


Fig. 469 Plot of vertical displacements (shadings)
- step no: 89 - (phase: 19)



Fig. 470 Horizontal displacements in beam (plate no: 1)
Extreme value 63.70*10-3 m (phase: 19)

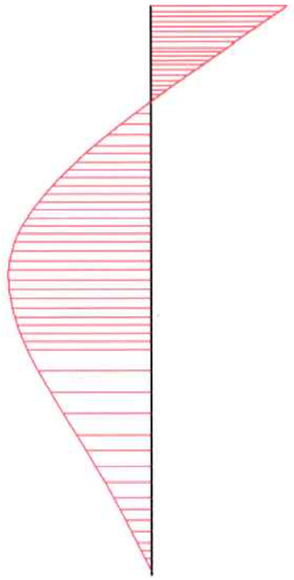


Fig. 471 Horizontal displacements in beam (plate no: 3)
Extreme value -34.98*10-3 m (phase: 19)

6044



Fig. 472 Horizontal displacements in beam (plate no: 4)
Extreme value -14.05*10-3 m (phase: 19)



Fig. 473 Horizontal displacements in beam (plate no: 9)
Extreme value -1.62*10-3 m (phase: 19)



Fig. 474 Vertical displacements in beam (plate no: 1)
Extreme value -36.27*10-3 m (phase: 19)



Fig. 475 Vertical displacements in beam (plate no: 3)
Extreme value -19.12*10-3 m (phase: 19)

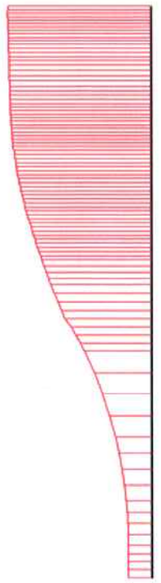


Fig. 476 Vertical displacements in beam (plate no: 4)
Extreme value -34.19*10-3 m (phase: 19)



Fig. 477 Vertical displacements in beam (plate no: 9)
Extreme value -5.68*10-3 m (phase: 19)



Fig. 478 Axial forces in beam (plate no: 1)
Extreme value -498.63 kN/m (phase: 19)

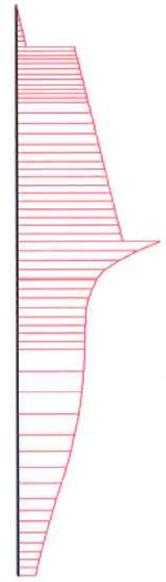


Fig. 479 Axial forces in beam (plate no: 3)
Extreme value -526.12 kN/m (phase: 19)

6046

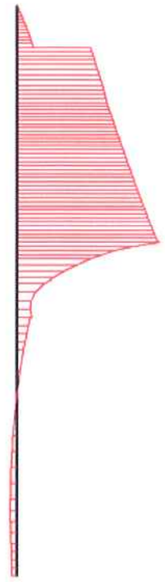


Fig. 480 Axial forces in beam (plate no: 4)
Extreme value -260.03 kN/m (phase: 19)

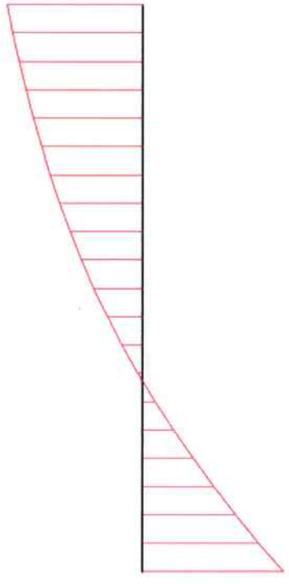


Fig. 481 Axial forces in beam (plate no: 9)
Extreme value -10.07 kN/m (phase: 19)

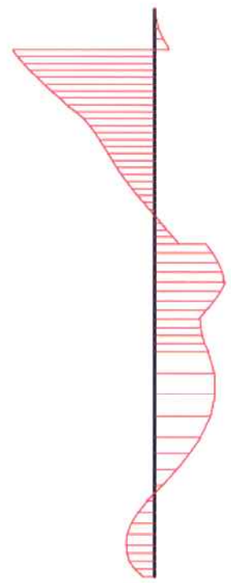


Fig. 482 Shear forces in beam (plate no: 1)
Extreme value 431.64 kN/m (phase: 19)

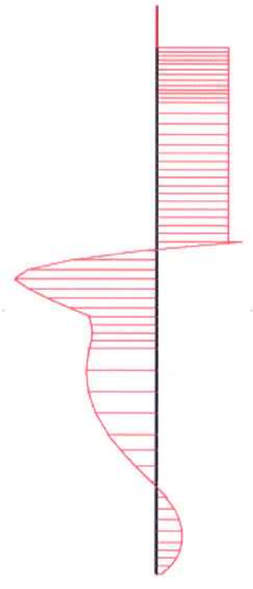


Fig. 483 Shear forces in beam (plate no: 3)
Extreme value 357.34 kN/m (phase: 19)

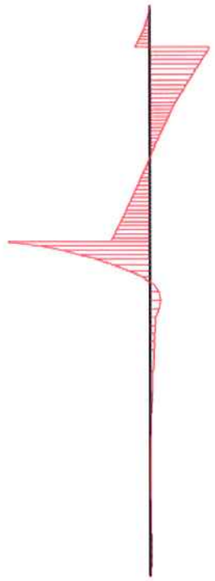


Fig. 484 Shear forces in beam (plate no: 4)
Extreme value 565.61 kN/m (phase: 19)

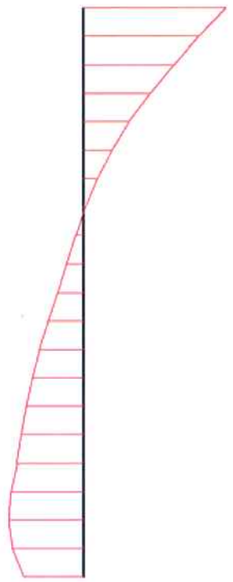


Fig. 485 Shear forces in beam (plate no: 9)
Extreme value -5.73 kN/m (phase: 19)



Fig. 486 Bending moments in beam (plate no: 1)
Extreme value -1.54*103 kNm/m (phase: 19)



Fig. 487 Bending moments in beam (plate no: 3)
Extreme value 1.66*103 kNm/m (phase: 19)

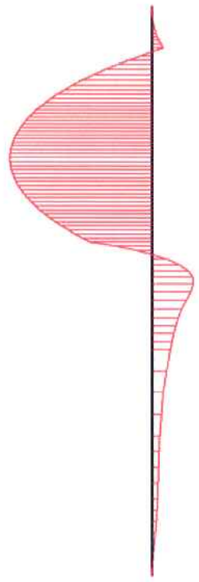


Fig. 488 Bending moments in beam (plate no: 4)
Extreme value 527.21 kNm/m (phase: 19)

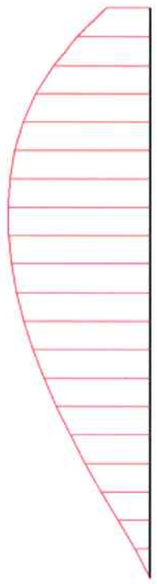


Fig. 489 Bending moments in beam (plate no: 9)
Extreme value 8.80 kNm/m (phase: 19)

29. Results for phase 21

Table [34] Step info phase no: 21

Step no:	95
Calculation type	PLASTIC
Extrapolation factor	1.579
Relative stiffness	0.447

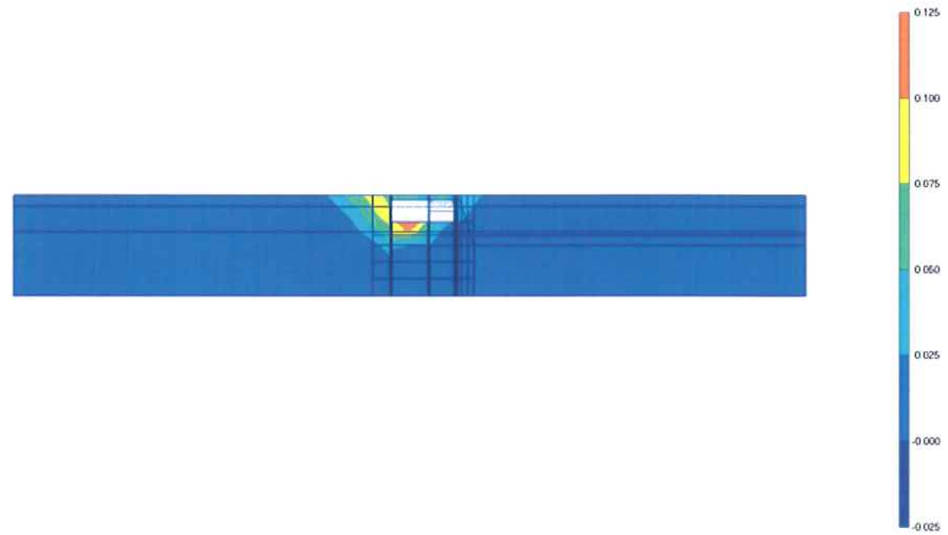


Fig. 490 Plot of total displacements (shadings)
- step no: 95 - (phase: 21)

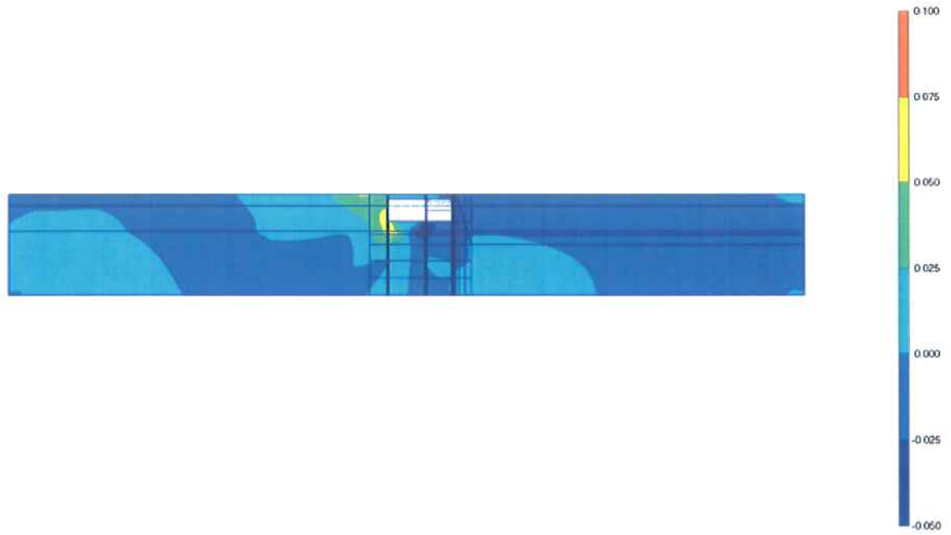


Fig. 491 Plot of horizontal displacements (shadings)
- step no: 95 - (phase: 21)

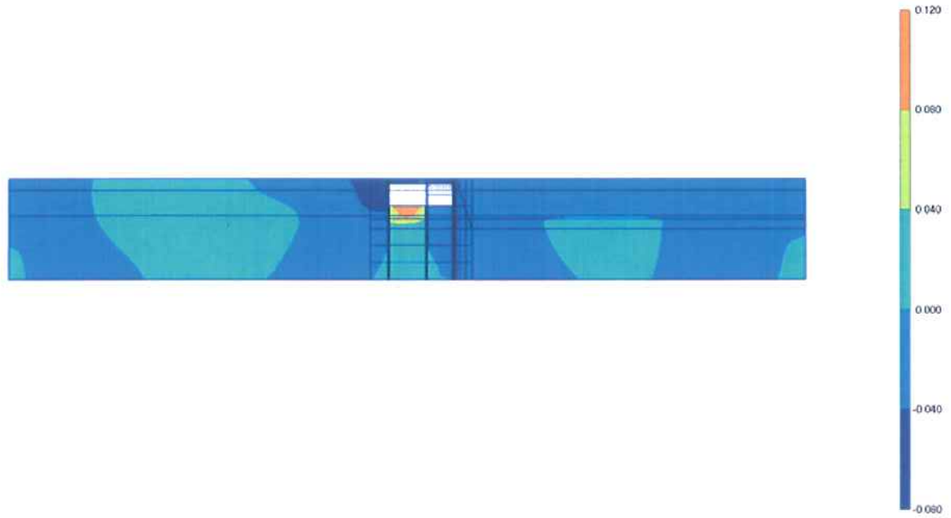


Fig. 492 Plot of vertical displacements (shadings)
- step no: 95 - (phase: 21)



Fig. 493 Horizontal displacements in beam (plate no: 1)
Extreme value 63.63*10-3 m (phase: 21)

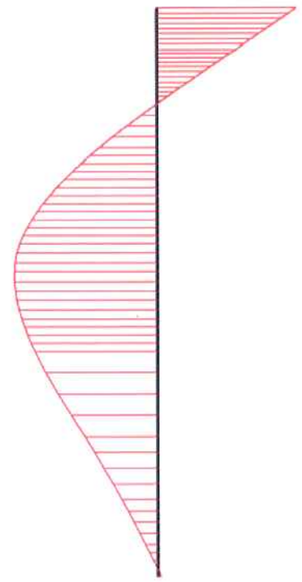


Fig. 494 Horizontal displacements in beam (plate no: 3)
Extreme value -34.89*10-3 m (phase: 21)

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Fig. 495 Horizontal displacements in beam (plate no: 4)
Extreme value -14.57*10-3 m (phase: 21)

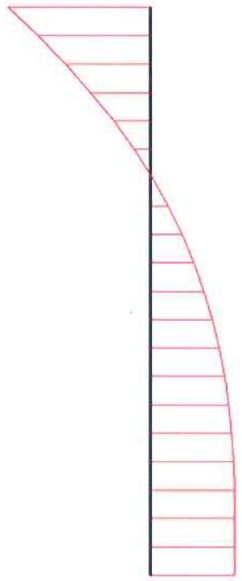


Fig. 496 Horizontal displacements in beam (plate no: 9)
Extreme value -653.28*10-6 m (phase: 21)



Fig. 497 Vertical displacements in beam (plate no: 1)
Extreme value -43.43*10-3 m (phase: 21)



Fig. 498 Vertical displacements in beam (plate no: 3)
Extreme value -30.01*10-3 m (phase: 21)

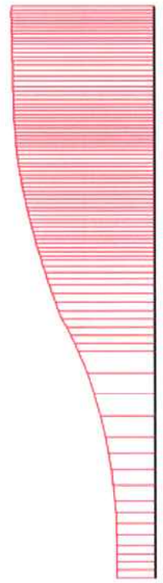


Fig. 499 Vertical displacements in beam (plate no: 4)
Extreme value -39.26*10-3 m (phase: 21)



Fig. 500 Vertical displacements in beam (plate no: 9)
Extreme value -10.58*10-3 m (phase: 21)



Fig. 501 Axial forces in beam (plate no: 1)
Extreme value -626.00 kN/m (phase: 21)

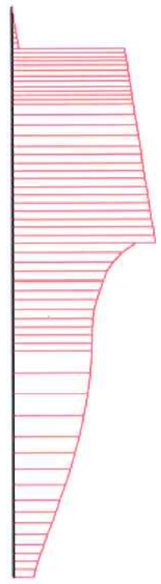


Fig. 502 Axial forces in beam (plate no: 3)
Extreme value -839.27 kN/m (phase: 21)

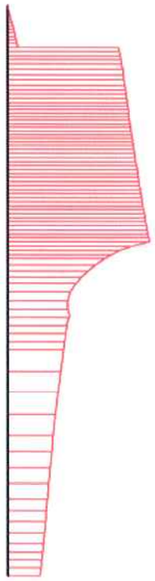


Fig. 503 Axial forces in beam (plate no: 4)
Extreme value -405.72 kN/m (phase: 21)

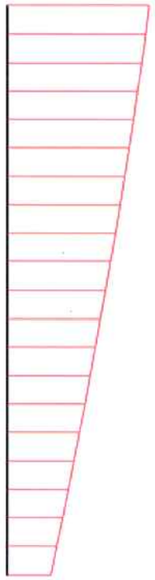


Fig. 504 Axial forces in beam (plate no: 9)
Extreme value -92.42 kN/m (phase: 21)

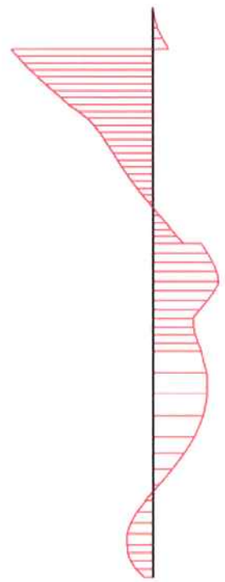


Fig. 505 Shear forces in beam (plate no: 1)
Extreme value 468.19 kN/m (phase: 21)

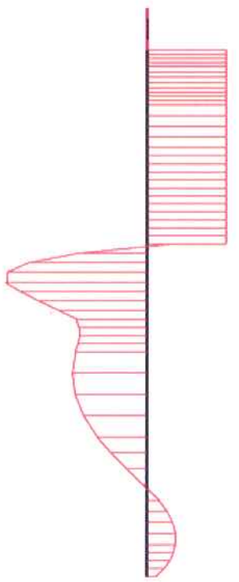


Fig. 506 Shear forces in beam (plate no: 3)
Extreme value 340.54 kN/m (phase: 21)

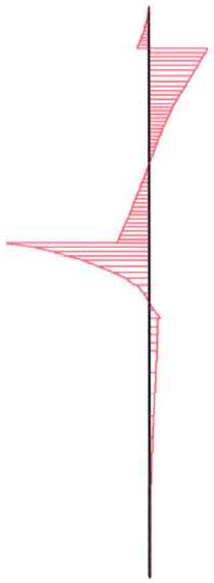


Fig. 507 Shear forces in beam (plate no: 4)
Extreme value 664.19 kN/m (phase: 21)

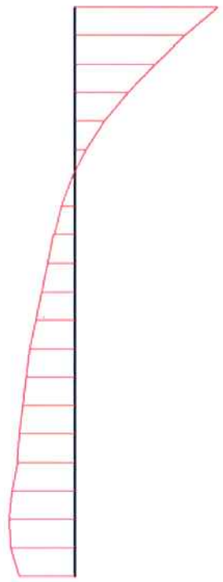


Fig. 508 Shear forces in beam (plate no: 9)
Extreme value -5.23 kN/m (phase: 21)



Fig. 509 Bending moments in beam (plate no: 1)
Extreme value -1.55*103 kNm/m (phase: 21)

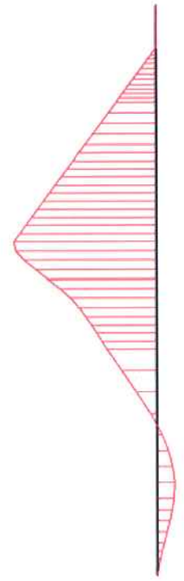


Fig. 510 Bending moments in beam (plate no: 3)
Extreme value 1.71*103 kNm/m (phase: 21)

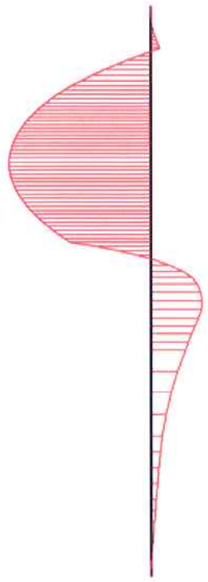


Fig. 511 Bending moments in beam (plate no: 4)
Extreme value 626.92 kNm/m (phase: 21)

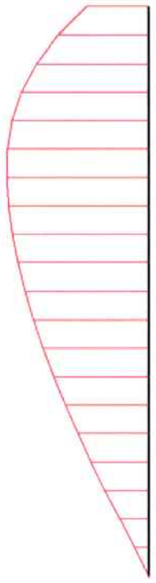
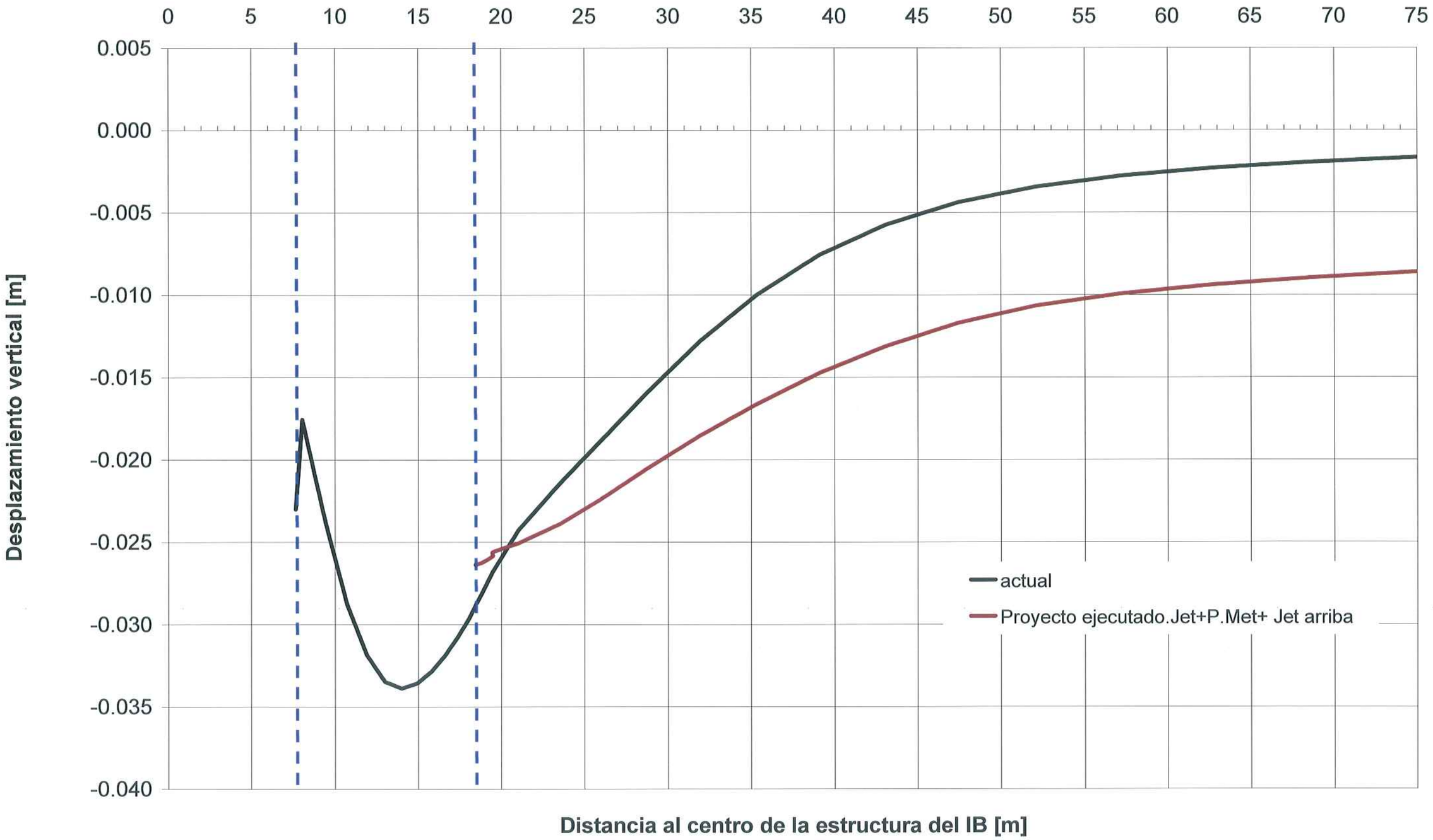


Fig. 512 Bending moments in beam (plate no: 9)
Extreme value 7.96 kNm/m (phase: 21)

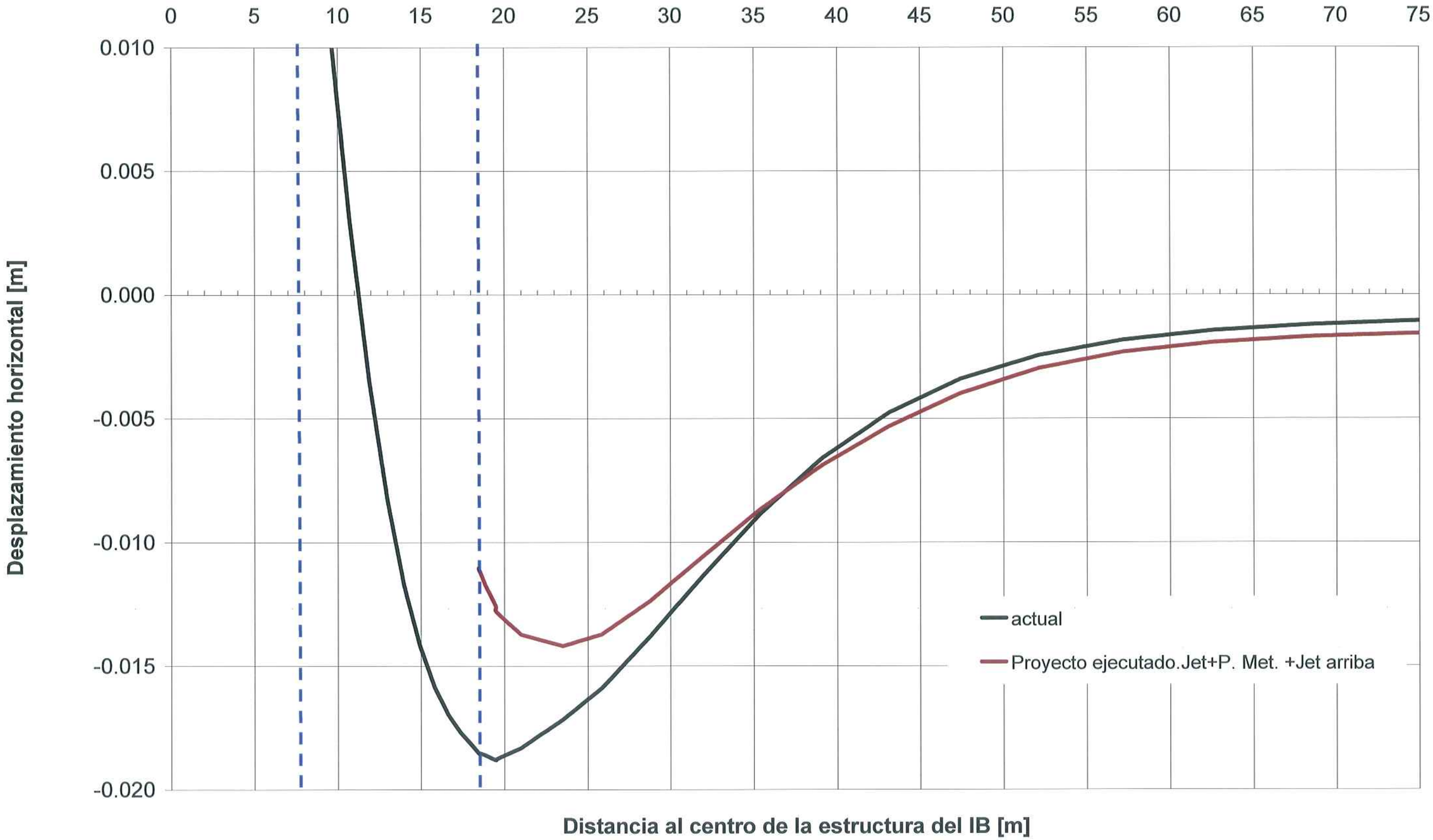
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Desplazamientos verticales de la superficie del terreno en calle M. Bertrand (pk 201+525)



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Desplazamientos horizontales de la superficie del terreno en calle M. Bertrand (pk 201+525)



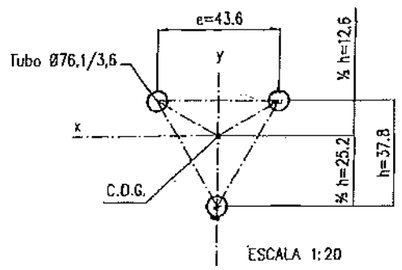
6059

APÉNDICE Nº 1.- PUNTAL H45

SOPORTE H45

DESCRIPCIÓN DEL SOPORTE H45:

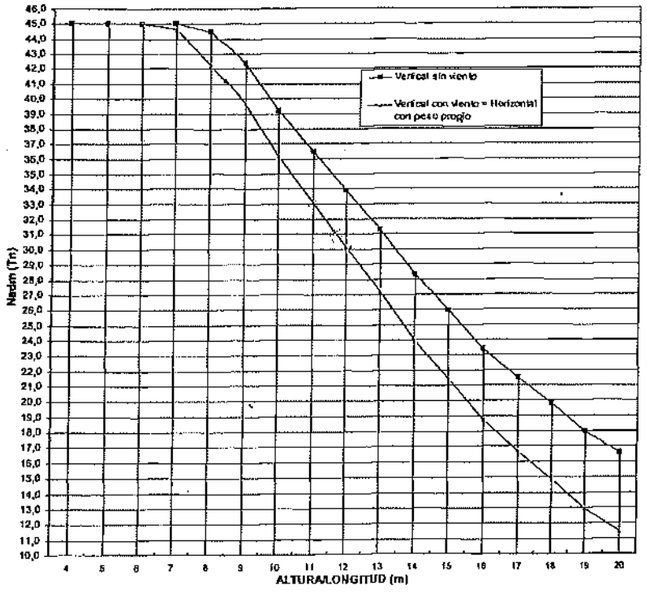
El soporte H45 es una estructura en celosía tubular, compuesta por diversos elementos, unidos entre sí mediante tornillos M20 (calidad 8.8); su sección consta de tres tubos Ø76,1/3,6 mm (acero S 355) empresillados, formando un triángulo equilátero de 43,6 cm de lado (o ejes de tubo).

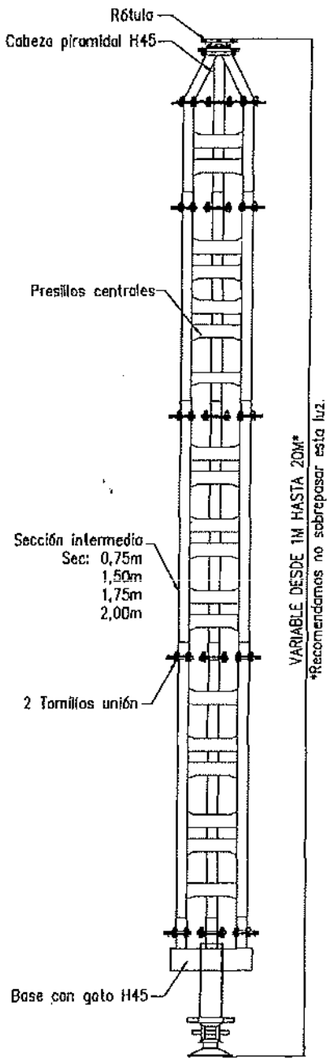


ESCALA 1:20

CUADRO DATOS ESTATICOS	
Sección	= 24,60 cm?
Peso	? 40 Kg/ml.
Ixx = Iyy	= 7956 cm⁴
Wmín.	= 316 cm³
ixx = iyy	= 17,98 cm

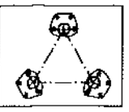
SOPORTE H-45 CARGAS ADMISIBLES (F.S.=1,65)







Únicamente se atornillarán los interiores, dejando los exteriores para arriostrar.



MECANOTUBO

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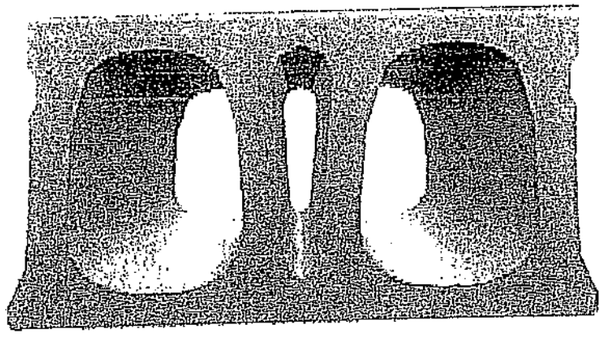
SOPORTE H45

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APÉNDICE Nº 2.- CUBIERTAS Y PLACAS

MEMORIA de CÁLCULO

PLACA : T6308



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DEFORMACIÓN

ANEJOS
RESISTENCIA AL FUEGO

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GEOMETRÍA, MATERIALES Y ACCIONES

GEOMETRIA DEL CONJUNTO

Valores característicos y de cálculo

Longitud total de la placa	l_t :	12,80 m
Longitud de cálculo de la placa	l_c :	12,50 m
Canto total de la placa	h :	0,63 m
Canto total de la capa de compresión	h_c :	0,2 m
Ancho de la placa	b :	1,20 m
Longitud de los apoyos	l_a :	0,3 m
Tipo de ambiente	:	IIIa

MATERIALES

Valores Característicos

Resistencia car. hormigón pretensado HP-50 / S / 12 / IIIa /	f_{ck}:	50 MPa
Resistencia car. hormigón capa de compresión HA-30 / F // IIIa /	f_{ck}:	30 MPa
Límite elástico característico alambres de pretensado Y 1770 C	f_{pyk}:	1540 N/mm^2
Límite elástico característico cordones de pretensado Y 1860 S7	f_{pyk}:	1710 N/mm^2
Límite elástico armadura pasiva B-500 S	f_{yk}:	500 N/mm^2

Coeficientes parciales de seguridad de los materiales:

E.L.U.

Hormigón	γ_c = 1,50
Acero	γ_s = 1,15

E.L.S.

Hormigón	γ_c = 1,00
Acero	γ_s = 1,00

Valores de cálculo

Resistencia a compresión hormigón de la placa	f_{cd} :	33,33 MPa
Resistencia a compresión hormigón de la capa	f_{cd} :	20 Mpa
Resistencia a tracción hormigón de la placa	$f_{ct,d}$:	1,90 MPa
Resistencia a tracción hormigón de la capa	$f_{ct,d}$:	1,35 Mpa
Límite elástico de cálculo alambres de pretensado Y 1770 C	f_{pyd} :	1339 N/mm^2
Límite elástico de cálculo cordones de pretensado Y 1860 S7	f_{pyd} :	1487 N/mm^2
Límite elástico de cálculo armadura pasiva B-500 C	f_{yd} :	435 N/mm^2
Tensión inicial de pretensado en las armaduras activas	σ_{pi} :	1320 N/mm^2

ACCIONES

Valores característicos de las acciones

Peso propio de la placa.	G_l :	8,58 kN/m^2
Peso propio de la capa de compresión	G_c :	5,00 kN/m^2
Cargas permanentes	G_p :	26,00 kN/m^2
Sobrecargas de uso	Q_u :	15,00 kN/m^2

Coeficientes parciales de seguridad de las acciones

Estados Límite Últimos (tabla 12.1.b del artículo 12° de la EHE)

Acción del pretensado (Control intenso)	γ_P = 1,00
Peso propio de la placa (Control Intenso)	γ_G = 1,35
Peso propio de la capa de compresión (Control Normal)	γ_G = 1,50
Cargas permanentes (Control Normal)	γ_G = 1,50
Sobrecargas de uso (Control Normal)	γ_Q = 1,60

Estados Límite de Servicio (tabla 12.2 del artículo 12° de la EHE):

Acción del pretensado (Efecto desfavorable)	γ_P = 1,05
Acción del pretensado (Efecto favorable)	γ_P = 0,95
Peso propio de la placa (Efecto desfavorable)	γ_G = 1,00
Peso propio de la capa de compresión (Efecto desfavorable)	γ_G = 1,00
Cargas permanentes (Efecto desfavorable)	γ_G = 1,00
Sobrecargas de uso (Efecto desfavorable)	γ_Q = 1,00

SOLICITACIONES

Estados Limites de Servicio:

Carga total por m^2	q:	54,58 kN/m^2
Carga total por ml de placa	q:	65,5 kN/m

Por tanto tendremos:

Momento flector	M:	1279,22 mkN
Esfuerzo cortante	V:	409,35 kN

Estados Limites Últimos:

Carga total mayorada por m^2	q_d:	82,08 kN/m^2
Carga total mayorada por ml de placa	q_d:	98,5 kN/m

Por tanto tendremos :

Momento flector de cálculo	M_d:	1923,82 mkN
Esfuerzo cortante de cálculo	V_d:	615,62 kN

CARACTERÍSTICAS GEOMÉTRICAS DE LA SECCIÓN

Los datos geométricos de la sección son:

PLACA T6308	NOTACIÓN UNIDADES	SECCIÓN NETA	SECCIÓN HOMOGENIZADA (28 d)	SECCIÓN COMPUESTA PLACA+CAPA
Area Hormigón	A (mm^2)	$3570 \cdot 10^2$	$3707 \cdot 10^2$	$5729 \cdot 10^2$
Posición C.G.	Y_G^* (mm)	310	302,9	453,6
Momento Inercia	Ic (mm^4)	$1758891 \cdot 10^4$	$1829889 \cdot 10^4$	$4283768 \cdot 10^4$
Baricentro Arm. Sup.	y' (mm)	115	115	315
Baricentro Arm. Inf.	y' (mm)	77,1	77,1	77,1
Área Arm. Sup.	A_2 (mm^2)	220	220	220
Área Arm. Inf.	A_1 (mm^2)	2068	2068	2068
Mom.Resistente Sup.	W_2 (mm^3)	$54957 \cdot 10^3$	$55949 \cdot 10^3$	$113819 \cdot 10^3$
Mom.Resistente Inf	W_1 (mm^3)	$56747 \cdot 10^3$	$60406 \cdot 10^3$	$94433 \cdot 10^3$
Canto útil	d' (mm)	552,90	552,90	752,90
Ancho Nervios	b_w (mm)	314	314	314

*distancias respecto a la fibra inferior

Tensión en las armaduras activas al transferir:

Tensión de los cables de la fibra superior ..... σ_{s2}: 1229 N/mm^2

Tensión de los cables de la fibra inferior ..... σ_{s1}: 1147 N/mm^2

Tensión en el hormigón al transferir:

Tensión en la fibra superior del hormigón..... σ_{c2}: -1,64 N/mm^2

Tensión en la fibra inferior del hormigón..... σ_{c1}: 16,16 N/mm^2

(el signo menos indica tensión de tracción)

ARMADURA DE LA CAPA DE COMPRESIÓN

Según la EFHE, el diámetro mínimo de la armadura de reparto será de 5 mm si ésta se considera a efectos de comprobación de los Estados Límite Últimos.

Este no es nuestro caso, en que no se considerará ningún tipo de armadura en la capa de compresión para el cálculo del momento último de la placa.

En la losa superior de hormigón vertida en obra, se dispondrá una armadura de reparto, a intervalos no mayores de 35 cm, de 5 mm de diámetro en dos direcciones, perpendicular y paralela a los nervios, tales que la sección total de esta armadura, en cm^2/m sea:

En la dirección perpendicular a los nervios:

$$A_1 \geq \frac{5 \cdot h_o}{f_{yd}} = 2{,}30 \ cm^2/m$$

En la dirección paralela a los nervios:

$$A_2 \geq \frac{2{,}5 \cdot h_o}{f_{yd}} = 1{,}15 \ cm^2/m$$

siendo:

h_o...espesor mínimo de la losa superior hormigonada en obra en mm

f_{yd}...resistencia de cálculo del acero en N/mm^2

Por todo ello, se recomienda disponer como mínimo ***doble*** malla tipo **C-131 15x15 ø5-5 (doble)** con una sección de acero por ml.

C-131 15x15 ø5-5 (doble)	
Longitudinal (cm^2/m)	Transversal (cm^2/m)
2,62	2,62

ESTADOS LÍMITE ÚLTIMOS (Situación Permanente o Transitoria)

ESTADO LÍMITE DE AGOTAMIENTO FRENTE A SOLICITACIONES NORMALES

El momento último de la sección compuesta placa+capa, es:

M_u = ... 2083,43 mkN

El momento flector de cálculo es:

M_d = ... 1923,82 mkN

Como 1923,82 < 2083,43 mkN, la placa cumple el estado límite último de agotamiento frente a solicitaciones normales.

ESTADO LÍMITE DE AGOTAMIENTO FRENTE A CORTANTE

Según el artículo 44.2.3 de la EHE las comprobaciones relativas al Estado Limite de Agotamiento por esfuerzo cortante pueden llevarse a cabo a partir del esfuerzo cortante efectivo V_d, debiéndose cumplir las siguientes condiciones :

$$V_d \leq V_{u1} \qquad V_d \leq V_{u2}$$

siendo:

V_d (valor de cálculo del esfuerzo cortante producido por las acciones exteriores)

V_{u1} (esfuerzo cortante de agotamiento por compresión oblicua del alma)

V_{u2} (esfuerzo cortante de agotamiento por tracción en el alma)

Obtención de V_{u1}

La comprobación de dicho agotamiento se realizará en el borde del apoyo ..... 300 mm

El valor de cálculo del esfuerzo cortante en la citada sección es:

V_d= ..... 586,07 kN

El esfuerzo de agotamiento por compresión oblicua del alma se deduce de la siguiente expresión:

$V_{u1} = k * f_{1cd} * b_w * d * (\cot g\theta + \cot g\alpha / (1 + \cot g^2\theta))$ = ... 2342,16 kN

siendo:

k (coeficiente reductor por efecto del esfuerzo axil) 1

α (ángulo de las armaduras con el eje de la pieza) ..... 90 °

θ (ángulo entre las bielas de compresión del hormigón) ..... 41,11°

Por tanto, como 586,07 kN ≤ 2342,16 kN tenemos que el esfuerzo cortante de agotamiento por compresión oblicua en el alma V_{u1}, *es correcto.*

Obtención de V_{u2}

La comprobación de dicho agotamiento deberá realizarse a una distancia de un canto útil del borde del apoyo ..... 1052,9 mm

El valor de cálculo del esfuerzo cortante en dicha sección es:

V_d= ..... 511,91 kN

El esfuerzo cortante de agotamiento por tracción en el alma vale :

$$V_{u2} = V_{su} + V_{cu}$$

siendo:

V_{su} (contribución de la armadura transversal del alma a la resistencia al esfuerzo cortante)

V_{cu} (contribución del hormigón a la resistencia al esfuerzo cortante)

La contribución de la armadura transversal V_{su}, valdrá:

$V_{su}= z * \text{sen}\alpha * (\cot g\alpha + \cot g\theta) * \Sigma (A_\alpha * f_{y\alpha,d})$ ..... 395,28 kN

siendo:

z (brazo mecánico) ..... 677,61 mm

α (ángulo de las armaduras con el eje de la pieza) ..... 90 °

θ (ángulo entre las bielas de compresión del hormigón) ..... 34,6°

A_α (área por unidad de longitud de cada grupo de armaduras) ..... 1,005 mm^2/mm

La contribución del hormigón V_{cu} será:

$V_{cu}= (0.10 * \xi * (100 * \rho_1 * f_{ck})^{1/3} - 0.15 * \sigma'_{cd} *) * b_w * d * \beta$ ..... 325,74 kN

siendo:

$\xi = 1 + \sqrt{(200 / d)}$ 1,515

ρ_1 (cuantía geométrica de la armadura longitudinal traccionada) 0,02

σ'_{cd} (tensión axil efectiva en la sección) ..... 4,5 N/mm^2

β 1

Por lo tanto V_{u2}, valdrá:

$V_{u2} = V_{su} + V_{cu}$= ..... 721,02 kN

Como 511,91 kN ≤ 721,02 kN tenemos que el esfuerzo cortante de agotamiento por tracción en el alma V_{u2}, *es correcto.*

Ahora solo nos falta comprobar que la cuantía geométrica mínima y la separación de la armadura a cortante sea la correcta.

La cuantía mínima de tales armaduras, deberá ser tal que cumpla la relación:

$\Sigma (A\alpha * f_{y\alpha,d} / \text{sen}\alpha) \geq 0.02 * f_{cd} * b_w$ ..... unidades en N/mm

Nuestra placa dispone de 4 ramas de estribos Ø 8, dispuestos cada 200 mm, por lo que tendremos:

437,1 N/mm ≥ 209,33 N/mm ..... *la cuantía mínima se cumple.*

Según el artículo 44.2.3.4.1 de la EHE, la separación entre armaduras transversales deberá cumplir las condiciones siguientes para asegurar un adecuado confinamiento del hormigón sometido a compresión oblicua:

$s_t \leq 0.80\,d \leq 300$ mm ..... si $V_d \leq 1/5\,V_{u1}$

$s_t \leq 0.60\,d \leq 300$ mm ..... si $1/5\,V_{u1} < V_d \leq 2/3\,V_{u1}$

$s_t \leq 0.30\,d \leq 200$ mm ..... si $V_d > 2/3\,V_{u1}$

donde:

200 mm ≤ 300 mm ..... si 586,07 kN ≤ 468,43 kN

Por tanto, una vez comprobada la cuantía mínima geométrica y la separación entre estribos podremos concluir que el estado límite de agotamiento frente a cortante, es CORRECTO.

Cortante vertical en las juntas

El esfuerzo cortante vertical por unidad de longitud en las juntas longitudinales V_d no será mayor que el esfuerzo cortante resistido por V_u calculado como el menor de los valores siguientes:

$V_u = 0.25 * (f_{bt,d} * \Sigma h_f + f_{ct,d} * h_c)$ ..... 134,09 KN/m

$V_u = 0.15 * (f_{ct,d} * (h + h_c)$ ..... 168,28 KN/m

donde :

Σh_f (suma de los menores espesores de las alas de la placa) ..... 140 mm

h (altura neta de la junta) ..... 0,63 m

y consecuentemente el valor que tomaremos para el cálculo será:

V_u ..... 134,09 KN/m

La fuerza por metro lineal capaz de absorber por cizalladura una junta, será:

V_d ..... 134,09 kN/m

En consecuencia la diferencia de cargas a uno y otro lado de la junta podría llegar a ser de 70 kN/m^2.

ESTADO LÍMITE DE AGOTAMIENTO POR ESFUERZO RASANTE

El cortante a medio canto útil del final del apoyo, debido a las cargas permanentes y a las sobrecargas de uso es:

V_d = ... 404,24 kN

Según el artículo 47º de la EHE la tensión rasante en la junta valdrá:

$\tau_{md} = V_d / p * z$ = ... 0,27 N/mm^2

siendo:

V_d (cortante a medio canto útil del final del apoyo) ..... 404,24 kN

p (perímetro de contacto entre placa y capa de compresión) ..... 2220 mm

z (brazo mecánico) ..... 677,61 mm

Esta tensión rasante deberá cumplir, según Art. 47.2. de la EHE, la siguiente condición:

$\tau_{md} \leq \beta * f_{ctd} + \mu * \sigma_{cd} < 0.25 * f_{cd}$

con:

β (coeficiente que depende del tipo de superficie) 0,4

f_{ctd} (resistencia cálculo a tracción hormigón más débil de la junta) ..... 1,35 N/mm^2

μ (coeficiente que depende del tipo de superficie) 0,9

σ_{cd} (tensión externa de cálculo normal al plano de la junta) ..... 0 N/mm^2

f_{cd} (resistencia cálculo a compresión hormigón más débil de la junta) 20 N/mm^2

Por tanto tendremos:

0,27 N/mm^2 ≤ 0,54 N/mm^2 < 5 N/mm^2

con lo que podremos concluir diciendo que la tensión rasante entre la capa de compresión y la placa es correcta.

ESTADO LÍMITE DE PUNZONAMIENTO

Según la EFHE, los forjados sometidos a cargas concentradas importantes deberán disponer de losa superior hormigonada en obra, y serán objeto de un estudio especial. Por tanto, para el estudio del estado límite de punzonamiento, no tendremos en cuenta la capa de compresión.

Según esta hipótesis, la carga puntual sobre la placa alveolar, con un ancho mínimo de 200 mm, no será mayor que:

$V_u = b_w * h * f_{ct,d} (1 + 0,3 * \alpha * \sigma_{cpm} / f_{ct,d})$ = ... 149,92 kN

siendo:

σ_{cpm} (tensión media hormigón debida a la fuerza de pretensado) ..... 7,27 N/mm^2

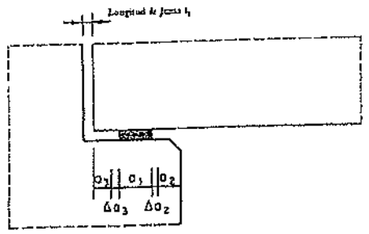
α (coeficiente igual a $x/1,2 * l_{bd} \leq 1$) 0,176

siendo: x distancia de la sección al extremo ..... 0,3 m

l_{bd} longitud de transferencia de la armadura activa de pretensado.

VERIFICACION DE LA LONGITUD DE APOYO

La dimensión longitudinal nominal de un apoyo simple, lo determina la expresión:



$$a = a_1 + \sqrt{(a_2^2 + \Delta a_2^2 + a_3^2 + \Delta a_3^2)}$$

La reacción en el apoyo, por metro lineal es de:

V_{ud} = ... 513,02 kN

La tensión admisible en el hormigón del apoyo será de:

$\sigma_{frd} = 0.4 * f_{cd}$ = ... 8 N/mm^2

El ancho eficaz de apoyo puede estimarse como:

b = ... 600 mm

El apoyo tendrá un primer sumando, que será la longitud necesaria para que el apoyo trabaje a σ_{frd} , sumando que no será inferior a 40 mm:

$a_1 = \max \{ 40, \ V_{ud} / (\sigma_{frd} * b) \}$ = ... 106,88 mm

Las distancias complementarias a la a_1 anteriormente calculada que irán desde los extremos de esta, hasta el final de la placa por un lado, y por el otro hasta el borde de la viga, serán:

a_2 = ... 35,0 mm

a_3 = ... 0 mm

Las holguras que complementarán las cotas anteriores serán:

Δa_2 = ... 20,0 mm

$\Delta a_3 = l_{total} / 2500$ = ... 5 mm

Por tanto la dimensión longitudinal nominal del apoyo será:

$a = a_1 + \sqrt{(a_2^2 + \Delta a_2^2 + a_3^2 + \Delta a_3^2)}$ = ... 147,5 mm

La longitud de apoyo adoptada es ..... 300 mm

ABSORCION DE FUERZAS HORIZONTALES (EFECTO DIAFRAGMA)

Los forjados de placas alveolares pueden actuar como membranas en la transmisión de esfuerzos laterales a elementos de sujeción vertical.

El Anexo D de la prEN 1168-1, nos indica que la resistencia de las juntas longitudinales deberá obtenerse del apartado 4.5.3.3 de la ENV-1992-1-3:1994, según el cual, en el caso de que no existan armaduras transversales a la junta, ni compresiones ortogonales, la expresión de cálculo será:

$\tau_{Rdj} = k_T * \tau_{Rd} + \mu * \sigma_N + \rho * f_{yd} * (\mu \sin\alpha + \cos\alpha) \leq 0.5 * \nu * fcd$

Según este mismo apartado, para calcular el cortante medio longitudinal, entre elemento sin juntas indentadas, se limitará:

τ_{Rdj} = ... 0,1 N/mm^2

Por tanto la fuerza horizontal que podrá absorber cada metro lineal de junta será:

$F_{junta} = \tau * (h + hc - 30) * 1000$ = ... 80 kN/m

La capacidad de la junta de 12,50 m. será de:

C_{junta} = ... 1000 kN

Este valor, nos indica la capacidad total de transmisión a elementos verticales laterales de sujeción.

ESTADOS LÍMITE DE SERVICIO

ESTADO LÍMITE DE FISURACIÓN (Combinación Frecuente ψ0: 0,7 ψ1: 0,7 ψ2: 0,6)

En los cálculos necesarios para la comprobación de este Estado Límite de Servicio ante cargas totales, las tensiones se obtendrán como suma de las originadas en cada fase de construcción, teniendo en cuenta las cargas aplicadas, las condiciones de sustentación y las secciones resistentes en cada fase.

Estas tensiones pueden evaluarse a partir de la Hipótesis de Navier. Para las secciones sometidas a momentos positivos, el momento de comprobación será:

$M_p = (\alpha * (g_1 + (1-K_1) * g_2) * l^2/8) + (g_3 + q*\psi_1) * l^2 / 8$ ..... 1353,04 mkN

siendo:

- α (relación entre módulos resistentes (Winf' / Winf)) 1,563
- W_{inf}' (módulo resistente de la sección compuesta) 94433 cm3
- W_{inf} (módulo resistente de la sección simple) 60406 cm3

K_1 (coeficientes de apuntalamiento) 0
l (luz de cálculo de la placa) ..... 12,50 m
g_1 (peso propio de la placa) ..... 10,30 kN/m
g_2 (peso capa de compresión) ..... 6,00 kN/m
g_3 (cargas permanentes) ..... 31,20 kN/m
q (sobrecargas de uso) ..... 18,00 kN/m

Este momento de 1353,04 mkN, provoca unas tensiones en la fibra inferior de:

$\sigma_{inf} = Mp / W_{inf}$ ..... 14,33 N/mm^2

Así pues, la tensión resultante en la fibra inferior del hormigón a largo plazo, será:

σ_{inf} = ... 0,65 N/mm^2

(el signo menos indica tracción)

Por tanto como 0,65 ≥ 0 N/mm^2, deducimos que la placa estará en estado de descompresión a largo plazo con la totalidad de las acciones actuantes.

Se cumple el ambiente preestablecido ..... IIIa

ESTADO LÍMITE DE DEFORMACIÓN

El calendario en la fase constructiva será:

FASE	CONCEPTO	DÍAS	EDAD PLACA
A	Transferencia	3	3
B	Hormigonado capa de compresión	27	30
C	Fraguado capa de compresión	28	58

El calendario en la fase final será :

FASE	CONCEPTO	DÍAS	EDAD PLACA	CAPA
D	Cargas permanentes	2	60	30
E	Sobrecargas de uso	30	90	60
F	A los cinco años	1735	1825	1765

FASE A (Transferencia)

La contraflecha viene determinada por la acción de pretensado de los cables, y la excentricidad de los mismos con respecto al C. de G. de la sección neta, en el momento de la transferencia.

La situación de los cables en dicho momento es:

CAPA	AREA (mm^2)	TENSION (N/mm^2)	FUERZA (kN)	DISTANCIA (mm)	MOMENTO (mkN)
Sup.	220	1229	270,38	515	139,25
Inf.	2068	1147	2372	77,1	182,88
Σ			2642,38		322,13

δ= ΣM / ΣF = ... 0,122 m

La excentricidad respecto al C.de G. de la sección neta, es:

e= ..... 0,188 m

El momento de pretensado valdrá consecuentemente :

M_p= ..... -497,01 mkN

La contraflecha que generará la excentricidad de la fuerza de pretensado, será de:

$\delta = M_p * l^2 / (8 * E_{c1} I)$ ..... -19,80 mm

La flecha producida por el peso propio de la placa, es:

$\delta_{ins} = 5 * pp * l^4 / (384 * E_{c1} I) =$ ..... 5,82 mm

Por tanto la flecha inicial de la placa debido a la fuerza de pretensado y al peso propio es:

δ_{ins}= ..... -13,98 mm

(el signo negativo indica contraflecha)

INTERVALO A-B (Desde transferencia hasta el hormigonado de la capa de compresión)

F(t)= 0.2885 * Ln(t) + 0.683 ..... Función de flecha diferida.

CF(t)= 0.2677 * Ln(t) + 0.703 ..... Función de contraflecha diferida.

Esta formulación para el cálculo de la flecha diferida en función del tiempo es equivalente a la formulación del artículo 50.2.2.3 de la EHE, con la particularidad de que en las formulas dadas ya se supone un tanto por ciento de las correspondientes pérdidas del pretensado, y permiten obtener la flecha o contraflecha a cualquier edad del hormigón.

La valoración de las deformaciones diferidas entre dos edades se obtiene con:

F(B) – F(A)= 0.2885 (Ln(B) – Ln(A)) ..... con el tiempo expresado en meses.

CF(B) – CF(A)= 0.2677 (Ln(B) – Ln(A)) ..... con el tiempo expresado en meses.

Por tanto tendremos:

B ..... 30 días ..... 1 meses

6069

A ..... 3 días ..... 0,1 meses
Ln(B) – Ln(A)= 2,303

Flecha diferida peso propio de la placa en el intervalo A-B ..... 3,868 mm
Contraflecha diferida en el intervalo A-B ..... -12,206 mm

Por tanto la flecha al final de este intervalo será:
δ= ..... -22,315 mm

FASE B (Hormigonado capa de compresión)

La flecha debida a la capa de compresión, considerada como peso muerto durante el fraguado será:

δ_{ins}= 5 * cc * l^4 / (384 * $E_{c.30}$ I) = ... 3,157 mm

Por tanto la flecha que tendremos después de hormigonar la capa de compresión será:
δ= ..... -19,158 mm

INTERVALO B-C (Tiempo de fraguado de capa de compresión)

Las deformaciones diferidas una vez hormigonada la capa de compresión serán :

C ..... 58 días ..... 1,93 meses
B ..... 30 días ..... 1 meses
Ln(C) – Ln(B)= 0,659

Flecha diferida peso propio de la placa en el intervalo B-C ..... 1,108 mm
Flecha diferida peso capa de compresión en el intervalo B-C ..... 0,600 mm
Contraflecha diferida en el intervalo B-C ..... -3,495 mm

Por tanto la flecha al final de este intervalo será :
δ ..... -20,945 mm

Hasta aquí llega la fase constructiva de la placa.

INTERVALO C-D (Deformaciones diferidas antes de las cargas permanentes)

El coeficiente de equivalencia entre el momento de inercia de la placa y el momento de inercia de la sección compuesta es:
Coef= 0,427

D ..... 60 días ..... 2 meses
C ..... 58 días ..... 1,93 meses
Ln(D) – Ln(C)= 0,034

Flecha diferida peso propio de la placa en el intervalo C-D ..... 0,024 mm
Flecha diferida peso capa de compresión en el intervalo C-D ..... 0,013 mm
Contraflecha diferida en el intervalo C-D ..... -0,077 mm

Por tanto la flecha al final de este intervalo será :
δ= ..... -20,984 mm

FASE D (Cargas Permanentes)

La flecha debida a las cargas permanentes será:

δ_{ins}= 5 * perm * l^4 / (384 * $E_{c.30}$ I_{p+c}) = ... 7,013 mm

La flecha después de colocar las cargas permanentes será:
δ= ..... -13,971 mm

INTERVALO D-E (Deformaciones diferidas a los 90 días)

E ..... 60 días ..... 2 meses
D ..... 30 días ..... 1 meses
Ln(E) – Ln(D)= 0,693

Flecha diferida peso propio de la placa en el intervalo D-E ..... 0,497 mm
Flecha diferida peso capa de compresión en el intervalo D-E ..... 0,270 mm
Flecha diferida cargas permanentes en el intervalo D-E ..... 0,599 mm
Contraflecha diferida en el intervalo D-E ..... -1,570 mm

Por tanto la flecha al final de este intervalo será :
δ= ..... -14,174 mm

INTERVALO E-F (Deformaciones diferidas a los cinco años)

En el cálculo de las deformaciones diferidas a largo plazo no se tendrán en cuenta las deformaciones diferidas provocadas por las sobrecargas de uso, pues estas únicamente provocan flechas instantáneas.

F ..... 1765 días ..... 58,83 meses
E ..... 60 días ..... 2 meses
Ln(F) – Ln(E)= 3,382

Flecha diferida peso propio de la placa en el intervalo E-F ..... 2,427 mm
Flecha diferida peso capa de compresión en el intervalo E-F ..... 1,316 mm
Flecha diferida cargas permanentes en el intervalo E-F ..... 2,923 mm

Contraflecha diferida en el intervalo E-F ..... -7,657 mm

Por tanto la flecha al final a plazo infinito será :

δ_{tot}= ..... -14,963 mm

FASE E (Deformaciones instantáneas debidas a la Sobrecarga de uso a los 90 días)

Flecha instantánea, debida a la sobrecarga de uso:

δ_{ins}= 5 * sus * l^4 / (384 * $E_{c\ 90}$ I_{p+c}) = ... 3,933 mm

FASE F (Deformaciones instantáneas debidas a la Sobrecarga de uso a plazo infinito)

Flecha instantánea, debida a la sobrecarga de uso:

δ_{ins}= 5 * sus * l^4 / (384 * $E_{c,\infty}$ I_{p+c}) = ... 3,720 mm

Luego tendremos :

Flecha máxima a los 90 días ..... -10,241 mm

Flecha máxima a plazo infinito ..... -11,243 mm

(El signo negativo indica contraflecha)

Flecha activa

La flecha activa es la producida a partir del instante en que se construye el elemento estructural considerado. Se calcula como la flecha total en servicio o a plazo infinito menos la que se ha producido hasta el instante en que se construye el elemento (FASE D).

En nuestro caso en particular, la flecha activa será:

δ_{ac} servicio= ..... 0,992 mm

δ_{ac} plazo infinito= ..... 2,728 mm

Límites de Deformación

Según la EFHE artículo 15.2.1 las deformaciones calculadas anteriormente deberán cumplir las condiciones siguientes:

a) La flecha total a tiempo infinito no excederá al menor de los valores l/250 y l/500+10:

l/250 ..... 50,000 mm

l/500 + 10 ..... 35,000 mm

b) Para forjados que sustentan tabiques o muros de partición o de cerramiento, la flecha activa no excederá al menor de los valores l/500 y l/1000+5:

l/500 ..... 25,000 mm

l/1000+5 ..... 17,500 mm

ANEJO

RESISTENCIA AL FUEGO

Para el cálculo de las placas alveolares de forjado, deberemos garantizar que la placa alveolar cumple los criterios R,E e I por tratarse de un elemento portante y separador a la vez.

Criterios E,I

Según el artículo 4.2.7 de la ENV 1992-1-2, tendremos que para alcanzar una **EI 120**, el espesor mínimo de la losa tendrá que ser de 120 mm. Este espesor mínimo lo podremos reducir un 10% por tratarse de un hormigón con áridos de naturaleza caliza, por lo que el espesor mínimo que tendrá que tener la losa será de 120-10% = 108 mm.

El espesor efectivo de una placa alveolar según la prEN1168 es igual a:

$$t_e = h\sqrt{\xi}$$

donde:

t_e es el espesor efectivo

h es el espesor real del elemento

ξ es la proporción de material macizo respecto el área total de la sección

De esta expresión se obtiene:

t_e = 450 > 108 mm que, por tanto se cumple el criterio establecido anteriormente.

Criterio R

La justificación de la capacidad resistente durante 120 minutos de exposición al fuego (R 120), se realizará de acuerdo con el Anexo C de la ENV 1992-1-2:1995. Este anejo determina el efecto del fuego en la resistencia a flexión para situaciones en que la distancia desde el inferior de la placa al baricentro de la armadura inferior a_{min}, es menor que la requerida por las tablas.

Según el citado anexo, para el cálculo deberá comprobarse que:

$$M_{Sd,fi} <= M_{Rd,fi} \quad (1)$$

Siendo :

$$M_{Sd,fi} = n_{fi} M_d \quad (2)$$

donde n_{fi} es un factor de reducción dependiente de la relación global entre la carga variable principal y las acciones permanentes aplicadas a la estructura que en nuestro caso valdrá 0.6 (punto 4.2.2 de la ENV 1992-1-2:1995), y M_d es el valor de cálculo del efecto de las acciones resultantes de la combinación de acciones para el cálculo de los estados límites últimos.

La capacidad a flexión $M_{Rd.fi}$ para cálculo en situación de fuego puede calcularse usando la ecuación :

$$M_{Rd,fi} = \left(\gamma_s / \gamma_{s,fi}\right) * k_p(\theta) * M_{sd} * \left(A_{sprov} / A_{sreq}\right) \qquad (3)$$

Donde,

γ_s = coef. parcial del acero usado en el cálculo..... 1.15

$\gamma_{s,fi}$ = coef. de minoración del acero en condiciones de fuego..... 1.00

θ = temperatura del acero..... 320

$k_p(\theta)$ = coef. reducción de la resistencia del acero (650 – θ) / 500)

M_{sd} = momento flector de cálculo a temperatura ambiente

$A_{s,prov}$ = área de acero en tracción dispuesta

$A_{s,req}$ = área de acero en tracción requerida

En la obtención del factor θ , que se obtiene a partir de los perfiles de temperatura para losas fabricadas con hormigón con árido silicio mostrados en la figura B 2 de la citada norma ENV a partir de la distancia a_m, se ha de tener en cuenta que el hormigón empleado en la fabricación de la placa es con árido calizo. En consecuencia, se puede aplicar la reducción de un 10 % en la dimensión de a_m (punto 4.2.1 de la citada norma).

El cociente $A_{s\,prov}$ / A_{sreq} ha de ser inferior o igual a 1,30. En caso de ser superior se ha de tomar igual a 1,30.

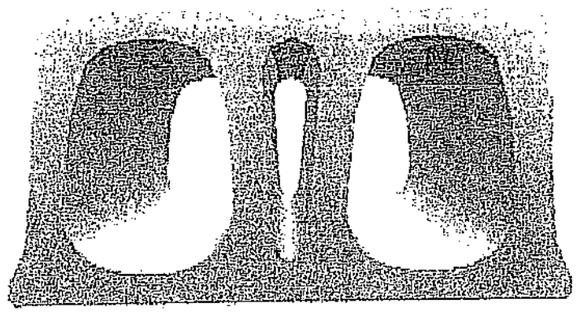
De la ecuación (1), (2) y (3) se obtiene que la condición para que se cumpla la resistencia al fuego es que:

$$n_{fi} \leq \left(\gamma_s / \gamma_{s,fi}\right) * K_p(\theta) * \left(A_{sprov} / A_{sreq}\right)$$

Por lo tanto tendremos: 0,60 < 0,83 = (1,15 * 0,66 * 2068 / 1893) con lo que queda comprobado el criterio **R 120** de la placa.

MEMORIA de CÁLCULO

PLACA : T8308



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GEOMETRIA DEL CONJUNTO

Valores característicos y de cálculo

Longitud total de la placa	l_t:	14,20 m
Longitud de cálculo de la placa	l_c:	14,00 m
Canto total de la placa	h :	0,83 m
Canto total de la capa de compresión	h_c:	0,2 m
Ancho de la placa	b:	1,20 m
Longitud de los apoyos	l_a:	0,2 m
Tipo de ambiente	:	IIIa

MATERIALES

Valores Característicos

Resistencia car. hormigón pretensado HP-50 / S / 12 / IIIa /	f_{ck}:	50 MPa
Resistencia car. hormigón capa de compresión HA-30 / F // IIIa /	f_{ck}:	30 MPa
Límite elástico característico alambres de pretensado Y 1770 C	f_{pyk}:	1540 N/mm^2
Límite elástico característico cordones de pretensado Y 1860 S7	f_{pyk}:	1710 N/mm^2
Límite elástico armadura pasiva B-500 S	f_{yk}:	500 N/mm^2

Coeficientes parciales de seguridad de los materiales:

E.L.U.

Hormigón	γ_c = 1,50
Acero	γ_s = 1,15

E.L.S.

Hormigón	γ_c = 1,00
Acero	γ_s = 1,00

Valores de cálculo

Resistencia a compresión hormigón de la placa	f_{cd}:	33,33 MPa
Resistencia a compresión hormigón de la capa	f_{cd} :	20 Mpa
Resistencia a tracción hormigón de la placa	$f_{ct,d}$:	1,90 MPa
Resistencia a tracción hormigón de la capa	$f_{ct,d}$:	1,35 Mpa
Límite elástico de cálculo alambres de pretensado Y 1770 C	f_{pyd} :	1339 N/mm^2
Límite elástico de cálculo cordones de pretensado Y 1860 S7	f_{pyd} :	1487 N/mm^2
Límite elástico de cálculo armadura pasiva B-500 C	f_{yd} :	435 N/mm^2
Tensión inicial de pretensado en las armaduras activas	σ_{pi} :	1320 N/mm^2

ACCIONES

Valores característicos de las acciones

Peso propio de la placa	G_t:	11,20 kN/m^2
Peso propio de la capa de compresión	G_c:	5,00 kN/m^2
Cargas permanentes	G_p:	26,00 kN/m^2
Sobrecargas de uso	Q_u:	15,00 kN/m^2

Coeficientes parciales de seguridad de las acciones

Estados Límite Últimos (tabla 12.1.b del artículo 12º de la EHE)

Acción del pretensado (Control intenso)	γ_P = 1,00
Peso propio de la placa (Control Intenso)	γ_G = 1,35
Peso propio de la capa de compresión (Control Normal)	γ_G = 1,50
Cargas permanentes (Control Normal)	γ_G = 1,50
Sobrecargas de uso (Control Normal)	γ_Q = 1,60

Estados Límite de Servicio (tabla 12.2 del artículo 12º de la EHE):

Acción del pretensado (Efecto desfavorable)	γ_P = 1,05
Acción del pretensado (Efecto favorable)	γ_P = 0,95
Peso propio de la placa (Efecto desfavorable)	γ_G = 1,00
Peso propio de la capa de compresión (Efecto desfavorable)	γ_G = 1,00
Cargas permanentes (Efecto desfavorable)	γ_G = 1,00
Sobrecargas de uso (Efecto desfavorable)	γ_Q = 1,00

SOLICITACIONES

Estados Límites de Servicio:

Carga total por m^2	q:	57,2 kN/m^2
Carga total por ml de placa	q:	68,64 kN/m

Por tanto tendremos:

Momento flector	M:	1681,68 mkN
Esfuerzo cortante	V:	480,48 kN

Estados Límites Últimos:

Carga total mayorada por m^2	q_d:	85,62 kN/m^2
Carga total mayorada por ml de placa	q_d:	102,74 kN/m

Por tanto tendremos :

Momento flector de cálculo	M_d:	2517,23 mkN
Esfuerzo cortante de cálculo	V_d:	719,21 kN

CARACTERÍSTICAS GEOMÉTRICAS DE LA SECCIÓN

Los datos geométricos de la sección son:

PLACA T8308	NOTACIÓN UNIDADES	SECCIÓN NETA	SECCIÓN HOMOGENIZADA (28 d)	SECCIÓN COMPUESTA PLACA+CAPA
Area Hormigón	A (mm^2)	$4607 \cdot 10^2$	$4743 \cdot 10^2$	$6765 \cdot 10^2$
Posición C.G.	Y_G^* (mm)	420,6	412,4	567,1
Momento Inercia	Ic (mm^4)	$3695730 \cdot 10^4$	$3849844 \cdot 10^4$	$7714998 \cdot 10^4$
Baricentro Arm. Sup.	y_s^* (mm)	115	115	315
Baricentro Arm. Inf.	y_i^* (mm)	77,1	77,1	77,1
Área Arm. Sup.	A_2 (mm^2)	220	220	220
Área Arm. Inf.	A_1 (mm^2)	2068	2068	2068
Mom.Resistente Sup.	W_2 (mm^3)	$90262 \cdot 10^3$	$92200 \cdot 10^3$	$166665 \cdot 10^3$
Mom.Resistente Inf.	W_1 (mm^3)	$87877 \cdot 10^3$	$93342 \cdot 10^3$	$136044 \cdot 10^3$
Canto útil	d^* (mm)	752.90	752.90	952,90
Ancho Nervios	b_w (mm)	356	356	356

*distancias respecto a la fibra inferior

Tensión en las armaduras activas al transferir:

Tensión de los cables de la fibra superior ..... σ_{s2}: 1240 N/mm²

Tensión de los cables de la fibra inferior ..... σ_{s1}: 1156 N/mm²

Tensión en el hormigón al transferir:

Tensión en la fibra superior del hormigón ..... σ_{c2}: -2,43 N/mm²

Tensión en la fibra inferior del hormigón ..... σ_{c1}: 14,21 N/mm²

(el signo menos indica tensión de tracción)

ARMADURA DE LA CAPA DE COMPRESIÓN

Según la EFHE, el diámetro mínimo de la armadura de reparto será de 5 mm si ésta se considera a efectos de comprobación de los Estados Límite Últimos.

Este no es nuestro caso, en que no se considerará ningún tipo de armadura en la capa de compresión para el cálculo del momento último de la placa.

En la losa superior de hormigón vertida en obra, se dispondrá una armadura de reparto, a intervalos no mayores de 35 cm, de 5 mm de diámetro en dos direcciones, perpendicular y paralela a los nervios, tales que la sección total de esta armadura, en cm^2/m sea:

En la dirección perpendicular a los nervios:

$$A_1 \geq \frac{5 \cdot h_o}{f_{yd}} = 2{,}30 \text{ cm}^2/\text{m}$$

En la dirección paralela a los nervios:

$$A_2 \geq \frac{2.5 \cdot h_o}{f_{yd}} = 1{,}15 \text{ cm}^2/\text{m}$$

siendo:

h_o...espesor mínimo de la losa superior hormigonada en obra en mm

f_{yd}...resistencia de cálculo del acero en N/mm^2

Por todo ello, se recomienda disponer como mínimo ***doble*** malla tipo **C-131 15x15 ø5-5 (doble)** con una sección de acero por mi.

C-131 15x15 ø5-5 (doble)	
Longitudinal (cm^2/m)	Transversal (cm^2/m)
2,62	2,62

ESTADOS LÍMITE ÚLTIMOS (Situación Permanente o Transitoria)

ESTADO LÍMITE DE AGOTAMIENTO FRENTE A SOLICITACIONES NORMALES

El momento último de la sección compuesta placa+capa, es:

M_u = ... 2698,43 mkN

El momento flector de cálculo es:

M_d = ... 2517,23 mkN

Como 2517,23 < 2698,43 mkN, la placa cumple el estado límite último de agotamiento frente a solicitaciones normales.

ESTADO LÍMITE DE AGOTAMIENTO FRENTE A CORTANTE

Según el artículo 44.2.3 de la EHE las comprobaciones relativas al Estado Límile de Agotamiento por esfuerzo cortante pueden llevarse a cabo a partir del esfuerzo cortante efectivo V_d, debiéndose cumplir las siguientes condiciones :

$$V_d \leq V_{u1} \qquad V_d \leq V_{u2}$$

siendo:

V_d (valor de cálculo del esfuerzo cortante producido por las acciones exteriores)

V_{u1} (esfuerzo cortante de agotamiento por compresión oblicua del alma)

V_{u2} (esfuerzo cortante de agotamiento por tracción en el alma)

Obtención de V_{u1}

La comprobación de dicho agotamiento se realizará en el borde del apoyo ..... 200 mm

El valor de cálculo del esfuerzo cortante en la citada sección es:

V_d= ..... 698,66 kN

El esfuerzo de agotamiento por compresión oblicua del alma se deduce de la siguiente expresión:

$V_{u1} = k * f_{1cd} * b_w * d * (\cot g\theta + \cot g\alpha / (1 + \cot g^2\theta))$ = ... 3382,69 kN

siendo:

k (coeficiente reductor por efecto del esfuerzo axil) 1

α (ángulo de las armaduras con el eje de la pieza) ..... 90 °

θ (ángulo entre las bielas de compresión del hormigón) ..... 42,86°

Por tanto, como 698,66 kN ≤ 3382,69 kN tenemos que el esfuerzo cortante de agotamiento por compresión oblicua en el alma V_{u1}, *es correcto.*

Obtención de V_{u2}

La comprobación de dicho agotamiento deberá realizarse a una distancia de un canto útil del borde del apoyo ..... 1152,9 mm

El valor de cálculo del esfuerzo cortante en dicha sección es:

V_d= ..... 600,75 kN

El esfuerzo cortante de agotamiento por tracción en el alma vale :

$$V_{u2} = V_{su} + V_{cu}$$

siendo:

V_{su} (contribución de la armadura transversal del alma a la resistencia al esfuerzo cortante)

V_{cu} (contribución del hormigón a la resistencia al esfuerzo cortante)

La contribución de la armadura transversal V_{su}, valdrá:

$V_{su} = z * \text{sen}\alpha * (\cot g\alpha + \cot g\theta) * \Sigma (A_\alpha * f_{ya.d})$ ..... 480,22 kN

siendo:

z (brazo mecánico) ..... 857,61 mm

α (ángulo de las armaduras con el eje de la pieza) ..... 90 °

θ (ángulo entre las bielas de compresión del hormigón) ..... 35,7°

A_α (área por unidad de longitud de cada grupo de armaduras) ..... 1,005 mm^2/mm

La contribución del hormigón V_{cu} será:

$V_{cu} = (0.10 * \xi * (100 * \rho_1 * f_{ck})^{1/3} - 0.15 * \sigma'_{cd} *) * b_w * d * \beta$ ..... 424,12 kN

siendo:

$\xi = 1 + \sqrt{(200 / d)}$ 1,458

ρ_1 (cuantía geométrica de la armadura longitudinal traccionada) 0,02

σ'_{cd} (tensión axil efectiva en la sección) ..... 3,82 N/mm^2

β 1

Por lo tanto V_{u2}, valdrá:

$V_{u2} = V_{su} + V_{cu}$ = ... 904,34 kN

Como 600,75 kN ≤ 904,34 kN tenemos que el esfuerzo cortante de agotamiento por tracción en el alma V_{u2}, *es correcto.*

Ahora solo nos falta comprobar que la cuantía geométrica mínima y la separación de la armadura a cortante sea la correcta.

La cuantía mínima de tales armaduras, deberá ser tal que cumpla la relación:

$\Sigma (A\alpha * f_{ya.d} / \text{sen}\alpha) \geq 0.02 * f_{cd} * b_w$ ..... unidades en N/mm

Nuestra placa dispone de 4 ramas de estribos Ø 8, dispuestos cada 200 mm, por lo que tendremos:

437,1 N/mm ≥ 237,33 N/mm ..... *la cuantía mínima se cumple.*

Según el artículo 44.2.3.4.1 de la EHE, la separación entre armaduras transversales deberá cumplir las condiciones siguientes para asegurar un adecuado confinamiento del hormigón sometido a compresión oblicua:

$s_t \leq 0.80\ d \leq 300$ mm ..... si $V_d \leq 1/5\ V_{u1}$

$s_t \leq 0.60\ d \leq 300$ mm ..... si $1/5\ V_{u1} < V_d \leq 2/3\ V_{u1}$

$s_t \leq 0.30\ d \leq 200$ mm ..... si $V_d > 2/3\ V_{u1}$

donde:

200 mm $\leq$ 300 mm ..... si 698,66 kN $\leq$ 676,54 kN

Por tanto, una vez comprobada la cuantía mínima geométrica y la separación entre estribos podremos concluir que el estado límite de agotamiento frente a cortante, es CORRECTO.

Cortante vertical en las juntas

El esfuerzo cortante vertical por unidad de longitud en las juntas longitudinales V_d no será mayor que el esfuerzo cortante resistido por V_u calculado como el menor de los valores siguientes:

$V_u = 0.25 * (f_{bt,d} * \Sigma h_f + f_{ct,d} * h_c)$ ..... 134,09 KN/m

$V_u = 0.15 * (f_{ct,d} * (h + h_c)$ ..... 208,84 KN/m

donde :

Σh_f (suma de los menores espesores de las alas de la placa) ..... 140 mm

h (altura neta de la junta) ..... 0,83 m

y consecuentemente el valor que tomaremos para el cálculo será:

V_u ..... 134,09 KN/m

La fuerza por metro lineal capaz de absorber por cizalladura una junta, será:

V_d ..... 134,09 kN/m

En consecuencia la diferencia de cargas a uno y otro lado de la junta podría llegar a ser de 70 kN/m^2.

ESTADO LÍMITE DE AGOTAMIENTO POR ESFUERZO RASANTE

El cortante a medio canto útil del final del apoyo, debido a las cargas permanentes y a las sobrecargas de uso es:

V_d = ... 449,6 kN

Según el artículo 47º de la EHE la tensión rasante en la junta valdrá:

$\tau_{md} = V_d / p * z$ = ... 0,2 N/mm^2

siendo:

V_d (cortante a medio canto útil del final del apoyo) ..... 449,6 kN

p (perímetro de contacto entre placa y capa de compresión) ..... 2620 mm

z (brazo mecánico) ..... 857,61 mm

Esta tensión rasante deberá cumplir, según Art. 47.2. de la EHE, la siguiente condición:

$$\tau_{md} \leq \beta * f_{ctd} + \mu * \sigma_{cd} < 0.25 * f_{cd}$$

con:

β (coeficiente que depende del tipo de superficie) 0,4

f_{ctd} (resistencia cálculo a tracción hormigón más débil de la junta) ..... 1,35 N/mm^2

μ (coeficiente que depende del tipo de superficie) 0,9

σ_{cd} (tensión externa de cálculo normal al plano de la junta) ..... 0 N/mm^2

f_{cd} (resistencia cálculo a compresión hormigón más débil de la junta) 20 N/mm^2

Por tanto tendremos:

0,2 N/mm^2 $\leq$ 0,54 N/mm^2 < 5 N/mm^2

con lo que podremos concluir diciendo que la tensión rasante entre la capa de compresión y la placa es correcta.

ESTADO LÍMITE DE PUNZONAMIENTO

Según la EFHE, los forjados sometidos a cargas concentradas importantes deberán disponer de losa superior hormigonada en obra, y serán objeto de un estudio especial. Por tanto, para el estudio del estado límite de punzonamiento, no tendremos en cuenta la capa de compresión.

Según esta hipótesis, la carga puntual sobre la placa alveolar, con un ancho mínimo de 200 mm, no será mayor que:

$V_u = b_w * h * f_{ct,d} (1 + 0,3 * \alpha * \sigma_{cpm} / f_{ct,d})$ = ... 251,33 kN

siendo:

σ_{cpm} (tensión media hormigón debida a la fuerza de pretensado) ..... 5,69 N/mm^2

α (coeficiente igual a $x/1,2 * l_{bd} \leq 1$) 0,117

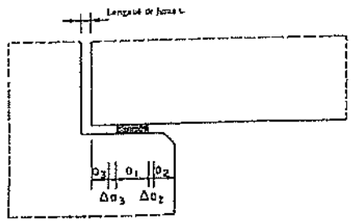
siendo: x distancia de la sección al extremo ..... 0,2 m

l_{bd} longitud de transferencia de la armadura activa de pretensado.

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VERIFICACION DE LA LONGITUD DE APOYO

La dimensión longitudinal nominal de un apoyo simple, lo determina la expresión:



$$a = a_1 + \sqrt{(a_2^2 + \Delta a_2^2 + a_3^2 + \Delta a_3^2)}$$

La reacción en el apoyo, por metro lineal es de:

V_{ud} = ... 599,34 kN

La tensión admisible en el hormigón del apoyo será de:

$\sigma_{frd} = 0.4 * f_{cd}$ = ... 8 N/mm²

El ancho eficaz de apoyo puede estimarse como:

b = ... 600 mm

El apoyo tendrá un primer sumando, que será la longitud necesaria para que el apoyo trabaje a σ_{frd} , sumando que no será inferior a 40 mm:

$a_1 = \max \{ 40, \ V_{ud} / (\sigma_{frd} * b) \}$ = ... 124,86 mm

Las distancias complementarias a la a_1 anteriormente calculada que irán desde los extremos de esta, hasta el final de la placa por un lado, y por el otro hasta el borde de la viga, serán:

a_2 = ... 35,0 mm

a_3 = ... 0 mm

Las holguras que complementarán las cotas anteriores serán:

Δa_2 = ... 20,0 mm

Δa_3 = ltotal / 2500 = ... 5,6 mm

Por tanto la dimensión longitudinal nominal del apoyo será:

$a = a_1 + \sqrt{(a_2^2 + \Delta a_2^2 + a_3^2 + \Delta a_3^2)}$ = ... 165,56 mm

La longitud de apoyo adoptada es ..... 200 mm

ABSORCION DE FUERZAS HORIZONTALES (EFECTO DIAFRAGMA)

Los forjados de placas alveolares pueden actuar como membranas en la transmisión de esfuerzos laterales a elementos de sujeción vertical.

El Anexo D de la prEN 1168-1, nos indica que la resistencia de las juntas longitudinales deberá obtenerse del apartado 4.5.3.3 de la ENV-1992-1-3:1994, según el cual, en el caso de que no existan armaduras transversales a la junta, ni compresiones ortogonales, la expresión de cálculo será:

$\tau_{Rdj} = k_T * \tau_{Rd} + \mu * \sigma_N + \rho * f_{yd} * (\mu \sin\alpha + \cos\alpha) \leq 0.5 * \nu * fcd$

Según este mismo apartado, para calcular el cortante medio longitudinal, entre elemento sin juntas indentadas, se limitará:

τ_{Rdj} = ... 0,1 N/mm²

Por tanto la fuerza horizontal que podrá absorber cada metro lineal de junta será:

$F_{junta} = \tau * (h + hc - 30) * 1000$ = ... 100 kN/m

La capacidad de la junta de 14,00 m. será de:

C_{junta} = ... 1400 kN

Este valor, nos indica la capacidad total de transmisión a elementos verticales laterales de sujeción.

ESTADOS LÍMITE DE SERVICIO

ESTADO LÍMITE DE FISURACIÓN (Combinación Frecuente ψ0: 0,7 ψ1: 0,7 ψ2: 0,6)

En los cálculos necesarios para la comprobación de este Estado Límite de Servicio ante cargas totales, las tensiones se obtendrán como suma de las originadas en cada fase de construcción, teniendo en cuenta las cargas aplicadas, las condiciones de sustentación y las secciones resistentes en cada fase.

Estas tensiones pueden evaluarse a partir de la Hipótesis de Navier. Para las secciones sometidas a momentos positivos, el momento de comprobación será:

$M_p = (\alpha * (g_1 + (1-K_1) * g_2) * l^2/8) + (g_3 + q*\psi_1) * l^2 / 8$ ..... 1767,27 mkN

siendo:

- α (relación entre módulos resistentes (Winf' / Winf)) 1,457
- W_{inf}' (módulo resistente de la sección compuesta) 136044 cm3
- W_{inf} (módulo resistente de la sección simple) 93342 cm3

K_1 (coeficientes de apuntalamiento) 0
l (luz de cálculo de la placa) ..... 14,00 m
g_1 (peso propio de la placa) ..... 13,44 kN/m
g_2 (peso capa de compresión) ..... 6,00 kN/m
g_3 (cargas permanentes) ..... 31,20 kN/m
q (sobrecargas de uso) ..... 18,00 kN/m

Este momento de 1767,27 mkN, provoca unas tensiones en la fibra inferior de:

$\sigma_{inf} = Mp / W_{inf}$ ..... 12,99 N/mm²

Así pues, la tensión resultante en la fibra inferior del hormigón a largo plazo, será:

$\sigma_{inf} =$ ..... 0,24 N/mm²

(el signo menos indica tracción)

Por tanto como 0,24 ≥ 0 N/mm², deducimos que la placa estará en estado de descompresión a largo plazo con la totalidad de las acciones actuantes.

Se cumple el ambiente preestablecido ..... IIIa

ESTADO LÍMITE DE DEFORMACIÓN

El calendario en la fase constructiva será:

FASE	CONCEPTO	DÍAS	EDAD PLACA
A	Transferencia	3	3
B	Hormigonado capa de compresión	27	30
C	Fraguado capa de compresión	28	58

El calendario en la fase final será :

FASE	CONCEPTO	DÍAS	EDAD PLACA	CAPA
D	Cargas permanentes	2	60	30
E	Sobrecargas de uso	30	90	60
F	A los cinco años	1735	1825	1765

FASE A (Transferencia)

La contraflecha viene determinada por la acción de pretensado de los cables, y la excentricidad de los mismos con respecto al C. de G. de la sección neta, en el momento de la transferencia.

La situación de los cables en dicho momento es:

CAPA	AREA (mm²)	TENSION (N/mm²)	FUERZA (kN)	DISTANCIA (mm)	MOMENTO (mkN)
Sup.	220	1240	272,8	715	195,05
Inf.	2068	1156	2390,61	77,1	184,32
Σ			2663,41		379,37

$\delta = \Sigma M / \Sigma F =$ ..... 0,142 m

La excentricidad respecto al C.de G. de la sección neta, es:

e= ..... 0,278 m

El momento de pretensado valdrá consecuentemente :

$M_p =$ ..... -740,86 mkN

La contraflecha que generará la excentricidad de la fuerza de pretensado, será de:

$\delta = M_p * l^2 / (8 * E_{c,1} I)$ ..... -17,60 mm

La flecha producida por el peso propio de la placa, es:

$\delta_{ins} = 5 * pp * l^4 / (384 * E_{c,1} I) =$ ..... 5,61 mm

Por tanto la flecha inicial de la placa debido a la fuerza de pretensado y al peso propio es:

$\delta_{ins} =$ ..... -11,99 mm

(el signo negativo indica contraflecha)

INTERVALO A-B (Desde transferencia hasta el hormigonado de la capa de compresión)

F(t)= 0.2885 * Ln(t) + 0.683..... .....Función de flecha diferida.

CF(t)= 0.2677 * Ln(t) + 0.703.....Función de contraflecha diferida.

Esta formulación para el cálculo de la flecha diferida en función del tiempo es equivalente a la formulación del artículo 50.2.2.3 de la EHE, con la particularidad de que en las formulas dadas ya se supone un tanto por ciento de las correspondientes pérdidas del pretensado, y permiten obtener la flecha o contraflecha a cualquier edad del hormigón.

La valoración de las deformaciones diferidas entre dos edades se obtiene con:

F(B) – F(A)= 0.2885 (Ln(B) – Ln(A)).....con el tiempo expresado en meses.

CF(B) – CF(A)= 0.2677 (Ln(B) – Ln(A)).....con el tiempo expresado en meses.

Por tanto tendremos:

B .....30 días .....1 meses

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A ..... 3 días ..... 0,1 meses
Ln(B) – Ln(A)= 2,303

Flecha diferida peso propio de la placa en el intervalo A-B ..... 3,728 mm
Contraflecha diferida en el intervalo A-B ..... -10,848 mm

Por tanto la flecha al final de este intervalo será:
δ= ..... -19,108 mm

FASE B (Hormigonado capa de compresión)

La flecha debida a la capa de compresión, considerada como peso muerto durante el fraguado será:

$\delta_{ins} = 5 * cc * l^4 / (384 * E_{c,30} I) =$ ..... 2,361 mm

Por tanto la flecha que tendremos después de hormigonar la capa de compresión será:
δ= ..... -16,746 mm

INTERVALO B-C (Tiempo de fraguado de capa de compresión)

Las deformaciones diferidas una vez hormigonada la capa de compresión serán :

C ..... 58 días ..... 1,93 meses
B ..... 30 días ..... 1 meses
Ln(C) – Ln(B)= 0,659

Flecha diferida peso propio de la placa en el intervalo B-C ..... 1,067 mm
Flecha diferida peso capa de compresión en el intervalo B-C ..... 0,449 mm
Contraflecha diferida en el intervalo B-C ..... -3,106 mm

Por tanto la flecha al final de este intervalo será :
δ ..... -18,336 mm

Hasta aquí llega la fase constructiva de la placa.

INTERVALO C-D (Deformaciones diferidas antes de las cargas permanentes)

El coeficiente de equivalencia entre el momento de inercia de la placa y el momento de inercia de la sección compuesta es:
Coef= 0,499

D ..... 60 días ..... 2 meses
C ..... 58 días ..... 1,93 meses
Ln(D) – Ln(C)= 0,034

Flecha diferida peso propio de la placa en el intervalo C-D ..... 0,027 mm
Flecha diferida peso capa de compresión en el intervalo C-D ..... 0,012 mm
Contraflecha diferida en el intervalo C-D ..... -0,080 mm

Por tanto la flecha al final de este intervalo será :
δ= ..... -18,377 mm

FASE D (Cargas Permanentes)

La flecha debida a las cargas permanentes será:

$\delta_{ins} = 5 * perm * l^4 / (384 * E_{c,30} I_{p+c}) =$ ..... 6,127 mm

La flecha después de colocar las cargas permanentes será:
δ= ..... -12,249 mm

INTERVALO D-E (Deformaciones diferidas a los 90 días)

E ..... 60 días ..... 2 meses
D ..... 30 días ..... 1 meses
Ln(E) – Ln(D)= 0,693

Flecha diferida peso propio de la placa en el intervalo D-E ..... 0,560 mm
Flecha diferida peso capa de compresión en el intervalo D-E ..... 0,236 mm
Flecha diferida cargas permanentes en el intervalo D-E ..... 0,611 mm
Contraflecha diferida en el intervalo D-E ..... -1,630 mm

Por tanto la flecha al final de este intervalo será :
δ= ..... -12,472 mm

INTERVALO E-F (Deformaciones diferidas a los cinco años)

En el cálculo de las deformaciones diferidas a largo plazo no se tendrán en cuenta las deformaciones diferidas provocadas por las sobrecargas de uso, pues estas únicamente provocan flechas instantáneas.

F ..... 1765 días ..... 58,83 meses
E ..... 60 días ..... 2 meses
Ln(F) – Ln(E)= 3,382

Flecha diferida peso propio de la placa en el intervalo E-F ..... 2,732 mm
Flecha diferida peso capa de compresión en el intervalo E-F ..... 1,150 mm
Flecha diferida cargas permanentes en el intervalo E-F ..... 2,983 mm

Contraflecha diferida en el intervalo E-F ..... -7,950 mm

Por tanto la flecha al final a plazo infinito será :

δ_{tot}= ..... -13,335 mm

FASE E (Deformaciones instantáneas debidas a la Sobrecarga de uso a los 90 dias)

Flecha instantánea, debida a la sobrecarga de uso:

$\delta_{ins} = 5 * sus * l^4 / (384 * E_{c\,90}\, I_{p+c})$ = ... 3,436 mm

FASE F (Deformaciones instantáneas debidas a la Sobrecarga de uso a plazo infinito)

Flecha instantánea, debida a la sobrecarga de uso:

$\delta_{ins} = 5 * sus * l^4 / (384 * E_{c,\infty}\, I_{p+c})$ = ... 3,250 mm

Luego tendremos :

Flecha máxima a los 90 días ..... -9,036 mm

Flecha máxima a plazo infinito ..... -10,085 mm

(El signo negativo indica contraflecha)

Flecha activa

La flecha activa es la producida a partir del instante en que se construye el elemento estructural considerado. Se calcula como la flecha total en servicio o a plazo infinito menos la que se ha producido hasta el instante en que se construye el elemento (FASE D).

En nuestro caso en particular, la flecha activa será:

δ_{ac} servicio= ..... 1,086 mm

δ_{ac} plazo infinito= ..... 2,165 mm

Límites de Deformación

Según la EFHE artículo 15.2.1 las deformaciones calculadas anteriormente deberán cumplir las condiciones siguientes:

a) La flecha total a tiempo infinito no excederá al menor de los valores l/250 y l/500+10:

l/250 ..... 56,000 mm

l/500 + 10 ..... 38,000 mm

b) Para forjados que sustentan tabiques o muros de partición o de cerramiento, la flecha activa no excederá al menor de los valores l/500 y l/1000+5:

l/500 ..... 28,000 mm

l/1000+5 ..... 19,000 mm

ANEJO

RESISTENCIA AL FUEGO

Para el cálculo de las placas alveolares de forjado, deberemos garantizar que la placa alveolar cumple los criterios R,E e I por tratarse de un elemento portante y separador a la vez.

Criterios E,I

Según el artículo 4.2.7 de la ENV 1992-1-2, tendremos que para alcanzar una **EI 120**, el espesor mínimo de la losa tendrá que ser de 120 mm. Este espesor mínimo lo podremos reducir un 10% por tratarse de un hormigón con áridos de naturaleza caliza, por lo que el espesor mínimo que tendrá que tener la losa será de 120-10% = 108 mm.

El espesor efectivo de una placa alveolar según la prEN1168 es igual a:

$$t_e = h\sqrt{\xi}$$

donde:

t_e es el espesor efectivo

h es el espesor real del elemento

ξ es la proporción de material macizo respecto el área total de la sección

De esta expresión se obtiene:

$t_e = 0 > 108$ mm que, por tanto se cumple el criterio establecido anteriormente.

Criterio R

La justificación de la capacidad resistente durante 120 minutos de exposición al fuego (R 120), se realizará de acuerdo con el Anexo C de la ENV 1992-1-2:1995. Este anejo determina el efecto del fuego en la resistencia a flexión para situaciones en que la distancia desde el inferior de la placa al baricentro de la armadura inferior a_{min}, es menor que la requerida por las tablas.

Según el citado anexo, para el cálculo deberá comprobarse que:

$$M_{Sd,fi} <= M_{Rd,fi} \qquad (1)$$

Siendo :

$$M_{Sd,fi} = n_{fi} M_d \qquad (2)$$

donde n_{fi} es un factor de reducción dependiente de la relación global entre la carga variable principal y las acciones permanentes aplicadas a la estructura que en nuestro caso valdrá 0.6 (punto 4.2.2 de la ENV 1992-1-2:1995), y M_d es el valor de cálculo del efecto de las acciones resultantes de la combinación de acciones para el cálculo de los estados límites últimos.

La capacidad a flexión $M_{Rd.fi}$ para cálculo en situación de fuego puede calcularse usando la ecuación :

$$M_{Rd.fi} = \left(\gamma_s / \gamma_{s.fi}\right) * k_p(\theta) * M_{sd} * \left(A_{sprov} / A_{sreq}\right) \qquad (3)$$

Donde,

γ_s = coef. parcial del acero usado en el cálculo..... 1.15

$\gamma_{s,fi}$ = coef. de minoración del acero en condiciones de fuego.... 1.00

θ = temperatura del acero..... 320

$k_p(\theta)$ = coef. reducción de la resistencia del acero (650 -- θ) / 500)

M_{sd} = momento flector de cálculo a temperatura ambiente

$A_{s.prov}$ = área de acero en tracción dispuesta

$A_{s,req}$ = área de acero en tracción requerida

En la obtención del factor θ, que se obtiene a partir de los perfiles de temperatura para losas fabricadas con hormigón con árido silicio mostrados en la figura B 2 de la citada norma ENV a partir de la distancia a_m, se ha de tener en cuenta que el hormigón empleado en la fabricación de la placa es con árido calizo. En consecuencia, se puede aplicar la reducción de un 10 % en la dimensión de a_m (punto 4.2.1 de la citada norma).

El cociente $A_{s\,prov} / A_{sreq}$ ha de ser inferior o igual a 1,30 En caso de ser superior se ha de tomar igual a 1,30.

De la ecuación (1), (2) y (3) se obtiene que la condición para que se cumpla la resistencia al fuego es que:

$$n_{fi} \leq \left(\gamma_s / \gamma_{s.fi}\right) * K_p(\theta) * \left(A_{sprov} / A_{sreq}\right)$$

Por lo tanto tendremos: 0,60 < 0,82 = (1,15 * 0,66 * 2068 / 1919) con lo que queda comprobado el criterio R **120** de la placa.

U J O L

Prefabricados Pesados S.A.

Ref.:1

CLIENTE :
OBRA : MODULO 31.b
SOLUCION 145+25

PROGRAMA CALCULO VIGAS PRETENSADAS SEGUN EHE

DEFINICION DEL PERFIL: H145/80/80

TRAPECIOS (En Cm)

INFERIOR	SUPERIOR	ALTURA
80.0	80.0	27.0
80.0	36.0	9.0
36.0	18.0	9.0
18.0	18.0	77.0
18.0	36.0	9.0
36.0	80.0	3.8
80.0	80.0	10.2

Canto (Cm).....	145.00	C.d.g. (a fibra sup.) (Cm).	83.27
Inercia flexion (Cm4).....	14265548	Inercia torsion (Cm4).....	1006927
Area (Cm2).....	5590.23	Coef. Corte ala superior...	.39
Espesor ala sup. medio(cm).	13.96	Idem Inferior.....	34.11
Espesor ala sup. maximo(cm)	23.00	Idem Inferior.....	45.00
Area volada ala sup. (cm2).	432.62		
Area pret inf en extremo...	26.65	Recubrimiento a eje (cm)...	8.83
Area pret.inf.zona interm..	26.65	Recubrimiento a eje (cm)...	8.83
Area pret.inf.centro viga..	26.65	Recubrimiento a eje (cm)...	8.83
Area pret.sup.(cm2).....	3.95	Recubrimiento a eje (cm)...	5.00
Coef. Corte ala inferior...	.41		

DATOS PARA CALCULO DE MATERIALES SEGUN EHE (Kg.y Cm.)

Resist.carac.hormigon viga.	425.00	Resist.carac. hormigon losa	250.00
Resist. calc. acero viga...	4434.78	Resist. calc. acero losa...	4434.78
Lim. elast. min. acero pret	14782.60	Tension inicial tesado pret	14250.00
Coeficiente retraccion.....	.037	Coeficiente fluencia.....	2.500
Coef. relajacion a T= inf..	.003	Coef.Sobrecarga Frecuente..	.500
Coef. mayoracion carga perm	1.500	Coef. mayoracion sobrecarga	1.600

Las secciones se homogeneizan con la relacion de modulos de elasticidad de acero/hormigon este ultimo distinto para cargas instantaneas o permanentes

PROGRAMA VIGAS PRETENSADAS. DATOS DE PARTIDA

Luz de calculo (m.).....	18.15	Longitud total viga (m.)...	18.75
Ancho de losa (m.).....	2.00	Espesor de Losa (Cm.).....	25.00
Ancho contacto viga-losa Cm	65.00	Arm.Existesup.rotura vig.Cm	0.00
Culata minima viga (cm)....	30.00	Diametro toron inferior.cm.	1.27
Carga s.simple flexion Kg/m	2647.56	Idem calculos a corte .Kg/m	2647.56
Carga perm.sec.comp.fl.Kg/m	5200.00	Idem calculos a corte .Kg/m	5200.00
Sobrecarga sec.comp.fl.Kg/m	3000.00	Idem calculos a corte .Kg/m	3000.00
Carga punt.tren de 3 fl. Kg	0.00	Idem calculos a corte .Kg.	0.00
Dist. entre cargas tren -m.	0.00	Coef.Sobrecarga Frecuente..	.50

Armaduras corte ala segun ley corte respetando minimos

CALCULO A CORTE VIGAS PRETENSADAS SEGUN EHE

COMPROBACIONES PREVIAS EN PLASTICIDAD

Fuerza en ala inf.(Kg).....	175713	Idem ala sup.seccion simple	54501
Fuerza a rasante.....	445227	Idem ala sup.seccion comp..	202578
Tension en ala inf.(Kg/cm2)	4.30	Idem ala sup.seccion simple	2.61
Tension rasante media.....	7.55	Idem ala sup.seccion comp..	4.65
Armado medio ala inf(cm2/m)	4.84	Idem ala sup.seccion simple	1.50
Armado medio a rasante.....	4.98	Idem ala sup.seccion comp..	5.58
Refuerzo pasivo inf.extremo (Valor por armadura de corte teorica)	9.24	(Cm2). REAL (N.DD)=.....	2.25
Refuerzo pasivo inf.extremo (Valor por armadura de difusion)	0.00	(Cm2). REAL (N.DD)=.....	0.00

COMPROBACION CORTANTE SEGUN EHE EN X= 0.00
(Esfuerzos mayorados)

Momento seccion simple(T.m)	31.02	Cortante seccion simple(T).	32.44
Momento seccion compuesta..	96.54	Cortante seccion compuesta.	103.04
Cortante total para VU1....	148.79	Limite corte por hormigon..	197.27
Cortante total para VU2....	122.41	Armado corte en losa(cm2/m)	0.00
Arm.corte alma(Cm2/m).....	10.55	Arm.rasante alma union losa	9.41
Arm.corte ala sup (Sec.Simp	2.84	Arm.corte ala inf.(Cm2/m)..	9.15

COMPROBACION CORTANTE SEGUN EHE EN X= 1.00
(Esfuerzos mayorados)

Momento seccion simple(T.m)	34.05	Cortante seccion simple(T).	32.07
Momento seccion compuesta..	105.78	Cortante seccion compuesta.	101.88
Cortante total para VU1....	133.95	Limite corte por hormigon..	197.27
Cortante total para VU2....	122.41	Armado corte en losa(cm2/m)	0.00
Arm.corte alma(Cm2/m).....	10.55	Arm.rasante alma union losa	8.32
Arm.corte ala sup (Sec.Simp	2.51	Arm.corte ala inf.(Cm2/m)..	8.08

COMPROBACION CORTANTE SEGUN EHE EN X= 3.00
(Esfuerzos mayorados)

Momento seccion simple(T.m)	90.25	Cortante seccion simple(T).	24.13
Momento seccion compuesta..	268.31	Cortante seccion compuesta.	77.74
Cortante total para VU1....	101.86	Limite corte por hormigon..	223.41
Cortante total para VU2....	101.86	Armado corte en losa(cm2/m)	0.00
Arm.corte alma(Cm2/m).....	7.63	Arm.rasante alma union losa	6.12
Arm.corte ala sup (Sec.Simp	1.84	Arm.corte ala inf.(Cm2/m)..	5.95

COMPROBACION CORTANTE SEGUN EHE EN X= 5.00
(Esfuerzos mayorados)

Momento seccion simple(T.m)	130.56	Cortante seccion simple(T).	16.18
Momento seccion compuesta..	370.75	Cortante seccion compuesta.	54.65
Cortante total para VU1....	70.83	Limite corte por hormigon..	217.45
Cortante total para VU2....	70.83	Armado corte en losa(cm2/m)	0.00
Arm.corte alma(Cm2/m).....	3.98	Arm.rasante alma union losa	3.92
Arm.corte ala sup (Sec.Simp	1.54	Arm.corte ala inf.(Cm2/m)..	3.81
CERCOS MINIMOS ALMA	2.55		

ANALISIS DE DEFORMACIONES PREVISIBLES

Flechas (+) y contraflechas (-) en mm.

(1)- Instantanea pretensado +p.propio (seccion simple)	-10.5	
(2)- Diferida pretensado +p.propio (seccion simple)	-19.3	6083
(3)- Diferida pretensado +p.propio (seccion compuesta)	-7.6	

MOMENTOS FLECTORES (Kg.m) Y CORTANTES (Kg.)

Momento p.propio viga	57548.37	Momento p.propio losa.....	51472.36
Momento carga permanente...	214124.62	Momento sobrecarga.....	123533.44
Corte total mayorado (Vrd).	150384.91		

CARACTERISTICAS RESISTENTES VIGA + LOSA (Cm.)

C.d Grav-borde sup. S.bruta	67.24	Inercia seccion bruta.....	36448847
C.d G. Sec.homg.carg.perm.	69.93	Inercia sec.homg.carg.perm.	39158368
C.d G. Sec.homg.sobrecarg.	68.16	Inercia sec.homh.sobrecarg.	37368427

PERDIDAS PRETENSADO (Kg/Cm2)

Penetracion cuñas.....	60.80	Proceso termico.....	0.00
Acortamiento elastico.....	834.13	Total diferida(Ret+Flu+Rel)	1371.15
Tension inicial armadura...	13355.07	Tension final armadura.....	11983.92

HISTORIA TENSIONAL VIGA PESIMA (Kg/Cm2)

Tension pret. final sup....	-11.94	Tension pret. final inf....	124.30
Tension p.propio viga sup..	31.96	Tension p.propio viga inf..	-22.30
Tension p.propio losa sup..	28.58	Tension p.propio losa inf..	-19.94
Tension carga perm. sup....	24.57	Tension carga perm. inf....	-54.72
Tension sobrecarga sup.....	14.27	Tension sobrecarga inff....	-33.67
Tension final suma losa sup	60.77	Tension final suma losa inf	38.83
Tension final suma viga sup	87.43	Tension final suma viga inf	-6.33
Tens.carga frecuen.losa sup	49.50	Tens.carga frecuen.losa inf	31.70
Tens.carga frecuen.viga sup	80.30	Tens.carga frecuen.viga inf	4.29

COMPROBACION NEOPRENO (Deform. acortamiento +)

El neopreno se comprueba a tension maxima y minima, rozamiento, distorsion, aplastamiento, tension tangencial y giro con carga total y permanente

Longitud (Segun eje viga)Cm	20.00	Ancho (Perp.viga).(Cm).....	45.00
Espesor total (Cm).....	4.10	Espesor chapa.(Cm).....	.30
No capas de goma.....	3.00	Espesor de cada capa.....	.80
Modulo deform.transv.Kg/cm2	10.00	Incremento temperatura (oC)	30.00
Deform. por retraccion(+)..	.136	Deformacion por fluencia(+)	.242
Deform. por temperatura(+-)	.272	Deform. por giro preten.(+)	.210
Deform.por giro p.prop (-).	-.230	Deform.por giro c.perm-	-.346
Deform.por giro sobrec.(-).	-.057	Deform.por giro carro(-)...	0.000
Deform.por fuerza horiz.(+-	0.000	Fuerza horizontal (Kg) (+-)	0.000
Defor.pesima suma (+)).....	.285	Fuerza por maxima def +(Kg)	1068.03
Defor.pesima suma (-).....	-.317	Fuerza por maxima def -(Kg)	-1401.39
Reaccion vertical maxima Kg	101695.88	Reaccion vertical minima Kg	73570.88

NOTA.- Deformaciones obtenidas despreciando flexibilidad de pilas y estribos

COMPROBACION ESTADO LIMITE ROTURA FLEXION Y ENFUNDADOS

Momento rotura seccion Kg.m	686009.59	Momento necesario (m.Kg)...	682371.53
Refuerzo Nohierros.diametro	1.20	Longitud refuerzo en m.....	8.06
Refuerzo Superior losa cm2.	5.12		

(4)- Instantanea peso propio losa (seccion simple)	3.3
(5)- Diferida peso propio losa (seccion compuesta)	2.1
(6)- Instantanea carga permanente (seccion compuesta)	5.1
(7)- Diferida carga permanente (seccion compuesta)	9.3
(8)- Instantanea sobrecarga (seccion compuesta)	2.9

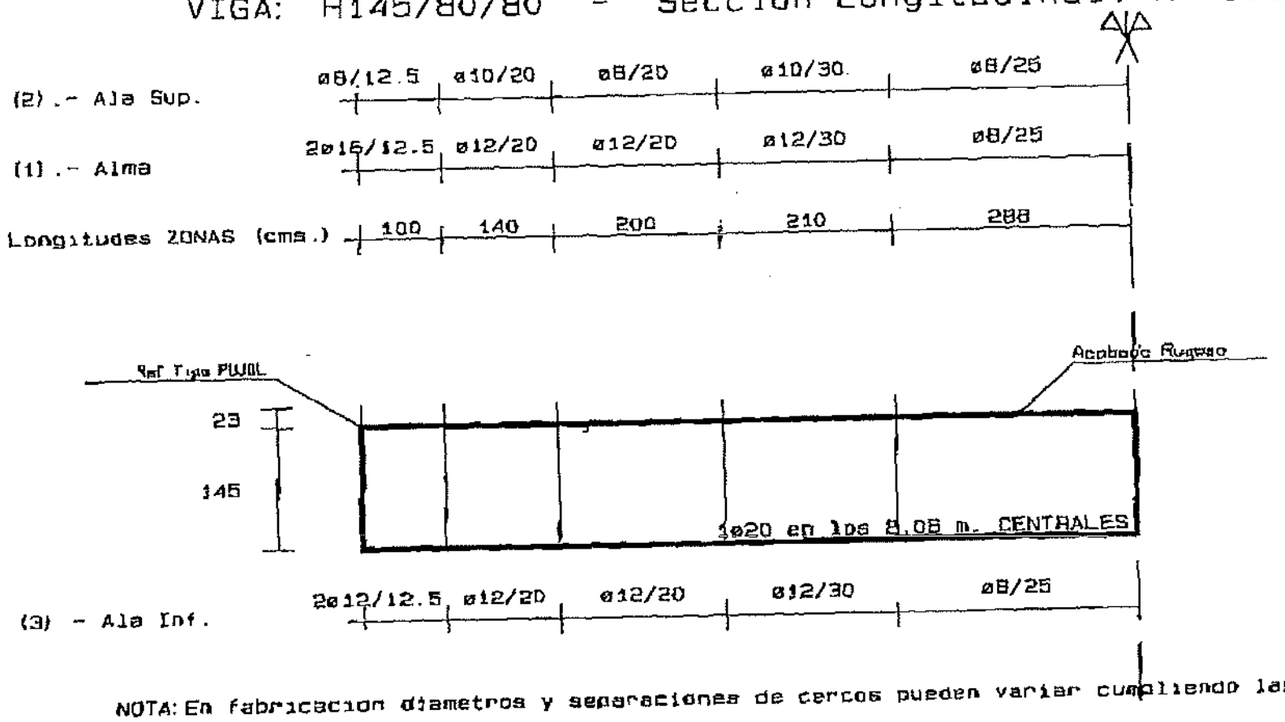
NOTA: Modulos de elasticidad: (1).-0.74*100000*((.1*FCK+8)^(1/3))
(4).-100000*((.1*FCK+8)^(1/3))
(6).-107000*((.1*FCK+8)^(1/3))
(8).-109000*((.1*FCK+8)^(1/3))
Fluencia: 2.5 para (2) y (3); 1.9 para (5) y 1.7 para (7)

La deformacion final del puente depende de la edad de la viga al llegar al tablero. Supuesto que se ha producido el 40% de

(2) al llegar a obra la contraflecha sera:	-18.2
Al hormigonar la losa.....:	-14.8
Al echar la carga permanente.....:	-9.7
A tiempo infinito sin sobrecarga.....:	-2.9
A tiempo infinito con sobrecarga.....:	-0.0

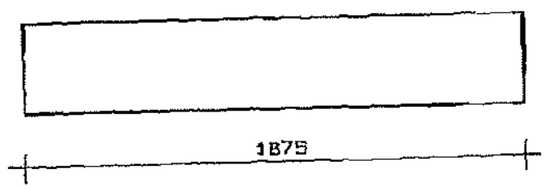
Estos valores solo pueden ser considerados como estimativos pues dependen de factores variables no conocidos por el programa

VIGA: H145/80/80 - Seccion Longitudinal. Armadura Pasiva (Esc: 1/100)



NOTA: En fabricacion diametros y separaciones de cercos pueden variar cumpliendo las mismas areas de calculo

Planta Viga (S/E)



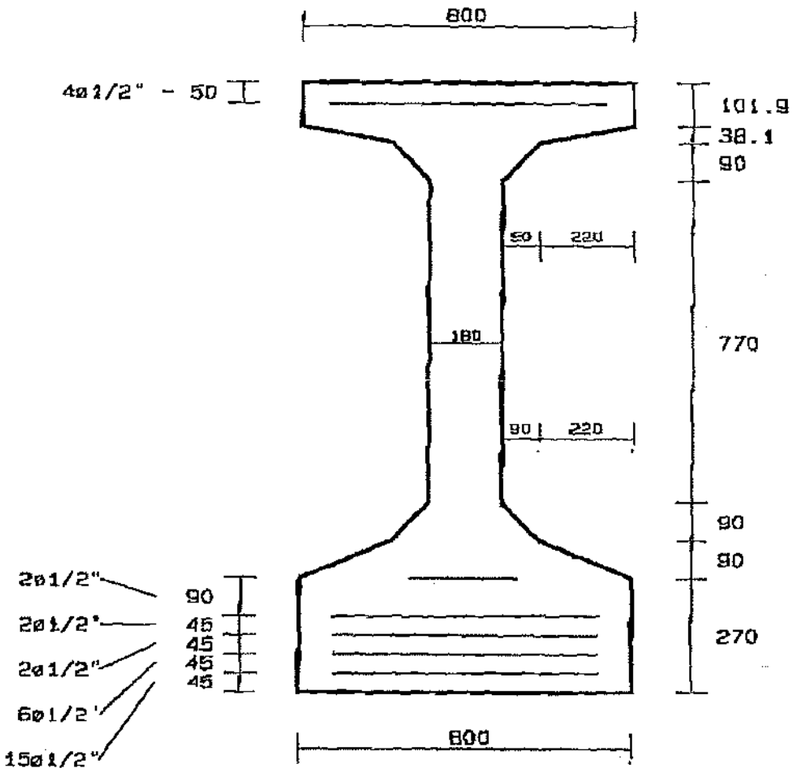
Cliente:
Obra: MODULO 31.b
SOLUCION 145+25
Fecha: 4-4-07 Ref.: 1

PUJOL

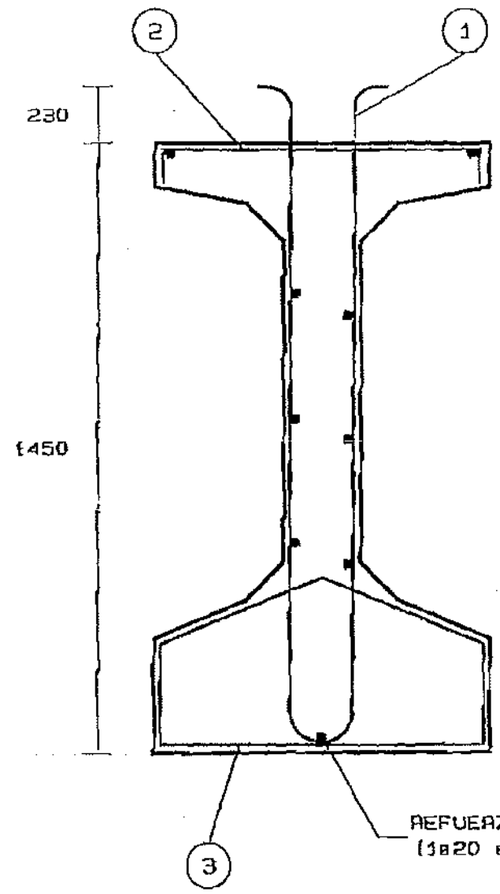
6085

PLANO 1/2

Pretensado (cotas en mm.)
(Esc: 1/20)



Armadura Pasiva (cotas en mm.)
(Esc: 1/20)



Piel: ø8, ø10

Cliente:
Obra: MODULO 31.b
SOLUCION 145+25
Fecha: 4-4-07 Ref.: 1

PUJOL

PLANO 2/

4.MDK.C00r 15-04

Módulo 33b

Placa 120*83

Pes placa	11,2	kN/m2	*Càrrega perman.*	30	kN/m2	*Qo*	55,44	kN/ml
Capa Compr.	0,2	m	*Sobrecar. d'ús*	15	kN/m2	*Qsc*	18	kN/ml
Pes C. Compr.	5,00	kN/m2	*Recolzam.*	0,25	m	*Qd*	109,94	kN/ml



Coef. Placa 1,35		Coef. CC 1,5	Coef. Seg. Car. Perm. 1,5	Coef. Seg. Car. Var. 1,6
Àmbit = 1,2	d (m)= 0,95	KAP = 1	Ψ= 0,7	

RESULTADOS

Lt (m)	Lc (m)	M_o (m·kN)	M_{sc} (m·kN)	$M_{servicio}$ (m·kN)	M_{freq} (m·kN)	V_{cp} (d) (kN)	V_{sc} (d) (kN)	V_{tot} (d) (kN)	V_{freq} (d) (kN)	Md (m·kN)	Vd (kN)
12,99	12,57	1094,97	355,51	1450,48	1343,83	288,84	93,78	382,62	354,49	2171,46	572,81
13,03	12,61	1101,95	357,78	1459,73	1090,03	289,95	94,14	384,09	355,85	2185,30	575,01
14,35	13,93	1344,73	436,60	1781,33	1469,89	326,54	106,02	432,56	400,76	2666,76	647,57
		-	-	-	-	-	-	-	-	-	-

Característiques Resistentes de la placa de proyecto T-120/83,08

Mu = 2698,43 mKN

Vu = 904,34 KN

Módulo 35b

Placa 120*63

Pes placa	8,58	kN/m2	*Càrrega perman.*	26	kN/m2	*Qo*	47,496	kN/ml
Capa Compr.	0,2	m	*Sobrecar. d'ús*	15	kN/m2	*Qsc*	18	kN/ml
Pes C. Compr.	5,00	kN/m2	*Recolzam.*	0,25	m	*Qd*	98,5	kN/ml



Coef. Placa 1,35		Coef. CC 1,5	Coef. Seg. Car. Perm. 1,5	Coef. Seg. Car. Var. 1,6
Àmbit = 1,2	d (m)= 0,757	KAP = 1	Ψ= 0,7	

RESULTADOS

Lt (m)	Lc (m)	M_o (m·kN)	M_{sc} (m·kN)	$M_{servicio}$ (m·kN)	M_{freq} (m·kN)	V_{cp} (d) (kN)	V_{sc} (d) (kN)	V_{tot} (d) (kN)	V_{freq} (d) (kN)	Md (m·kN)	Vd (kN)
10,78	10,18	615,27	233,17	848,44	778,49	199,86	75,74	275,61	252,88	1275,97	414,49
11,74	11,14	736,78	279,22	1016,00	776,24	222,66	84,38	307,05	281,73	1527,97	461,77
		-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-

Característiques Resistentes de la placa de proyecto T-120/63,08

Mu = 2083,43 mKN

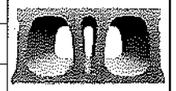
Vu = 721,02 KN

6087

Módulo 36b

Placa 120*63

Pes placa	8,58	kN/m2	*Càrrega perman.*	26	kN/m2	*Qo*	47,496	kN/ml
Capa Compr.	0,2	m	*Sobrecar. d'ús*	15	kN/m2	*Qsc*	18	kN/ml
Pes C. Compr.	5,00	kN/m2	*Recolzam.*	0,25	m	*Qd*	98,5	kN/ml



Coef. Placa 1,35		Coef. CC 1,5	Coef. Seg. Car. Perm. 1,5	Coef. Seg. Car. Var. 1,6
Àmbit = 1,2	d (m)= 0,757	KAP = 1	Ψ= 0,7	

RESULTADOS

Lt (m)	Lc (m)	M_o (m·kN)	M_{sc} (m·kN)	$M_{servicio}$ (m·kN)	M_{freq} (m·kN)	V_{cp} (d) (kN)	V_{sc} (d) (kN)	V_{tot} (d) (kN)	V_{freq} (d) (kN)	Md (m·kN)	Vd (kN)
10,75	10,15	611,64	231,80	843,45	773,91	199,15	75,47	274,62	251,98	1268,46	413,01
10,09	9,49	534,69	202,64	737,32	563,33	183,48	69,53	253,01	232,15	1108,86	380,50
		-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-

Características Resistentes de la placa de proyecto T-120/63,08

Mu = 2083,43 mKN

Vu = 721,02 KN

nudos

Nudo	X (m)	Z (m)	Apoyo - código	Apoyo
1	0,0	0,0	fff	Rotula
2	10,15	0,0	fff	Rotula

barras

Barra	Nudos	Nudo 2	Sección	Material	Longitud (m)	Gama (Deg)	Tipo
1	1	2	V 50x70	HORMIGON	10,15	0,0	Viga de hormigó

cargas

	Caso	Tipo de carga	Lista	Valores de carga
	1	sobrecarga uniforme	1	PZ=-10,30(kN/m)
	2	sobrecarga uniforme	1	PZ=-6,00(kN/m)
	3	carga trapezoidal (2p)	1	PZ2=-30,00(kN/m) PZ1=-59,86(kN/m) X2=1,00 X1=0,0 global no
	4	sobrecarga uniforme	1	PZ=-6,00(kN/m)

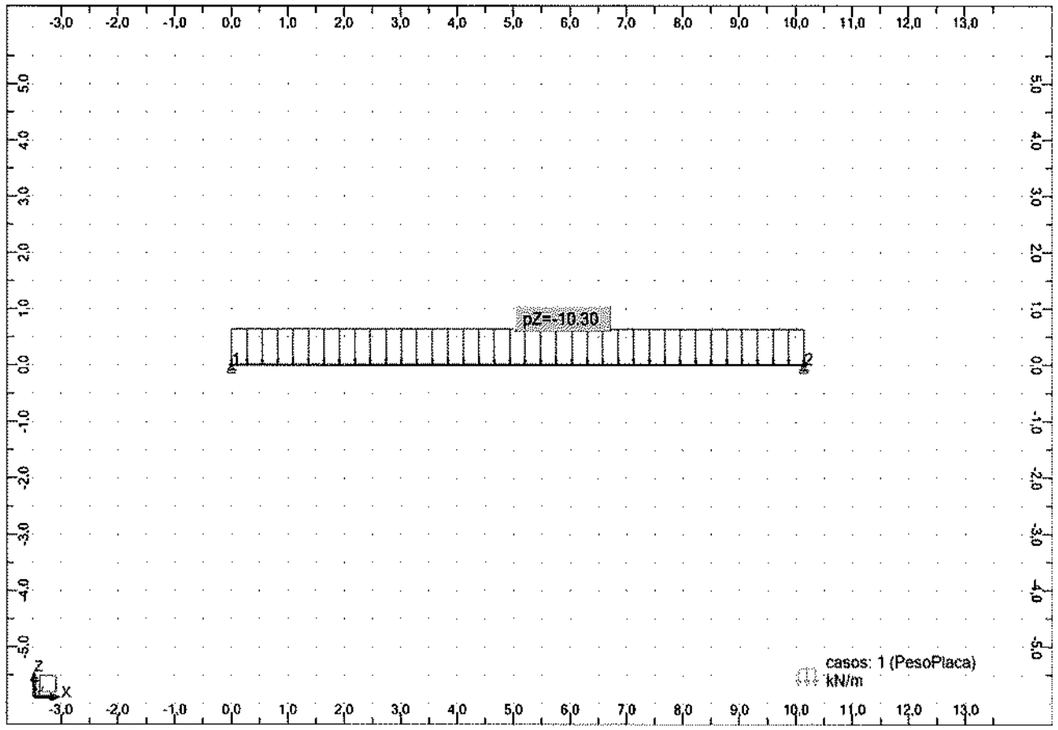
combinaciones

- Caso: 5 (COMB-ELU (sc:5))

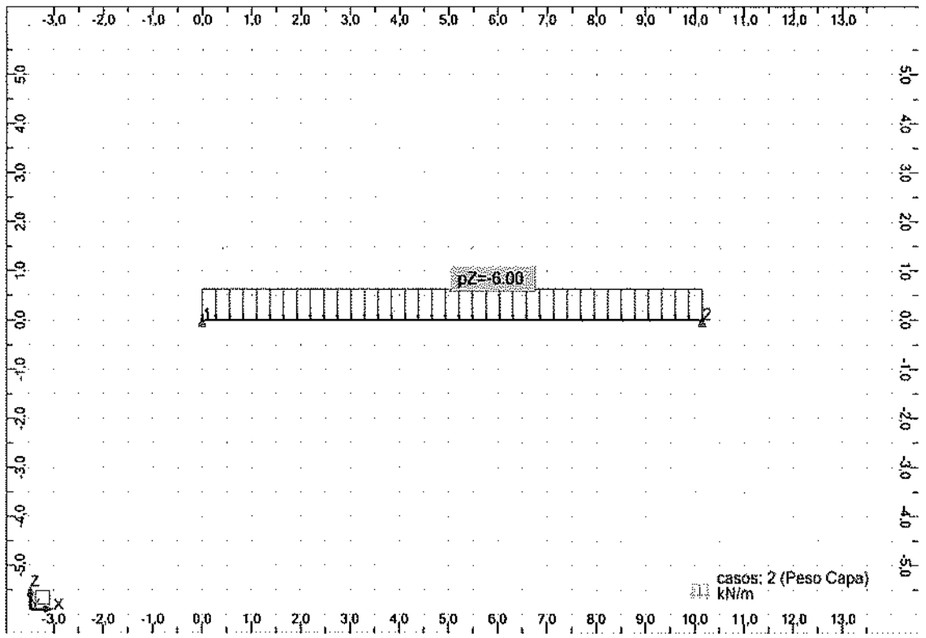
Combinación	Nombre	Tipo de análisis	Naturaleza de	Naturaleza de caso
5 (C)	COMB-ELU (sc:	Combinación lin	ELU	permanente

Combinación	Definición
5 (C)	1*1.35+(2+3)*1.50+4*1.60

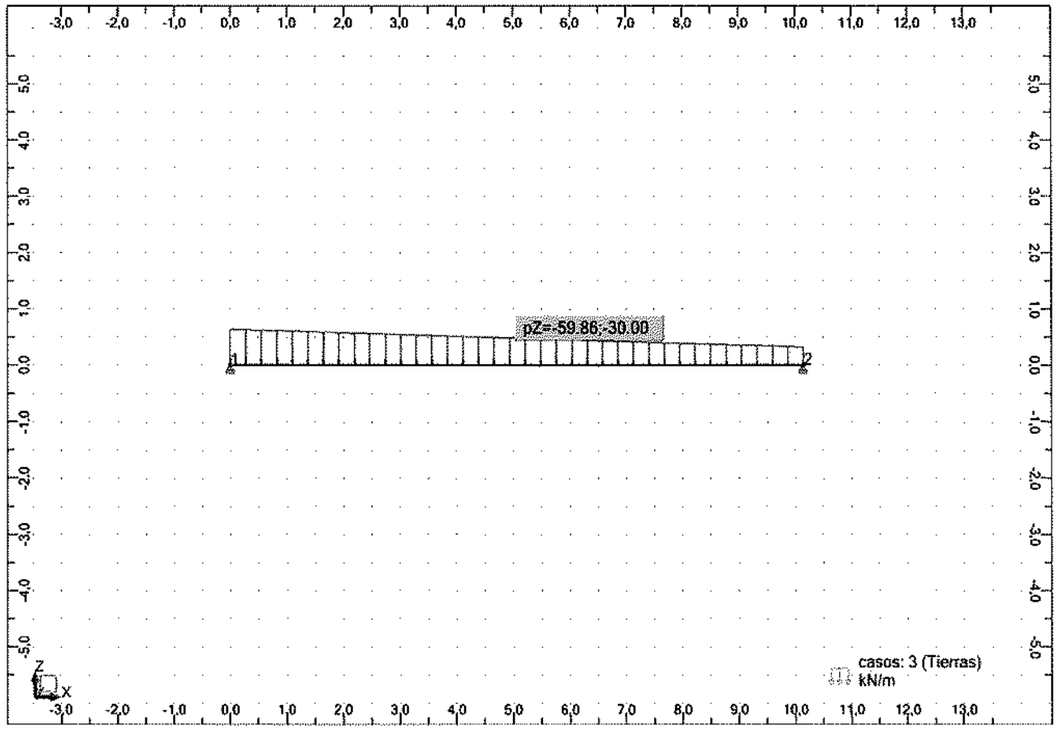
Casos: 1 (PesoPlaca)



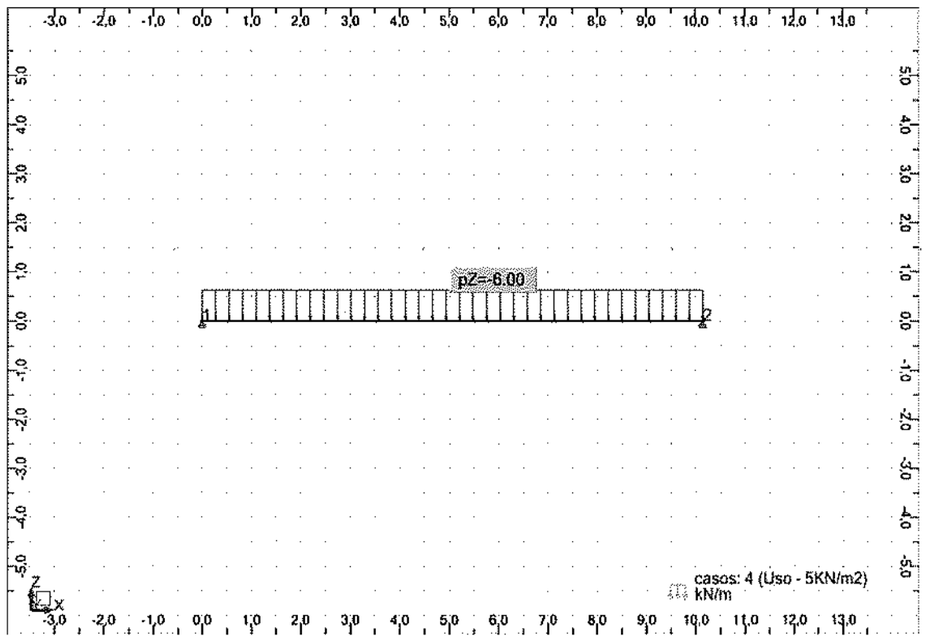
Casos: 2 (Peso Capa)



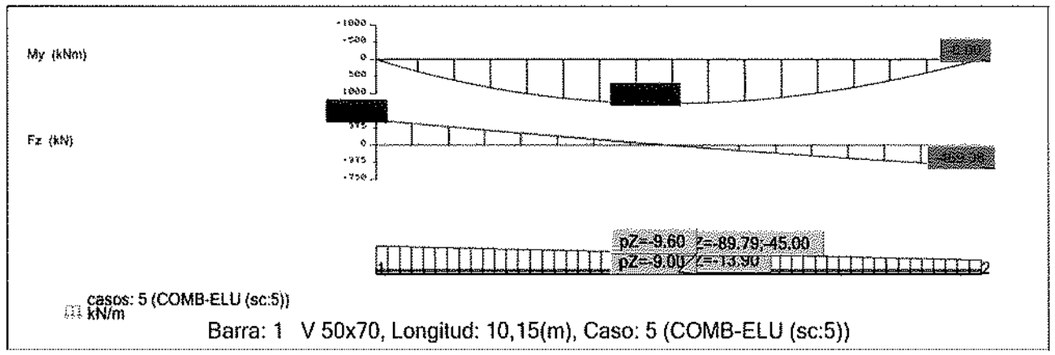
Casos: 3 (Tierras)



Casos: 4 (Uso - 5KN/m2)



Resultados: 5 (COMB-ELU)



Barra: 1 V 50x70, Longitud: 10,15(m), Caso: 5 (COMB-ELU (sc:5))

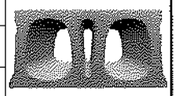
Valores

Barra / Punto (m)	FZ (kN)	MY (kNm)
Valor actual	544,85	-0,00
para la barra:	**1**	
en el punto:	**x=0,0 (m)**	
1 / inicio	544,85	-0,00
1 / MAX MY x=4,87	1,43	1288,20
1 / +/- FZ x=4,89	-0,01	1288,21
1 / +/- MY x=10,15	-469,08	0,00
1 / fin	-469,08	-0,00

Módulo 37

Placa 120*63

Pes placa	8,58	kN/m2	*Càrrega perman.*	26	kN/m2	*Qo*	47,496	kN/ml
Capa Compr.	0,2	m	*Sobrecar. d'ús*	15	kN/m2	*Qsc*	18	kN/ml
Pes C. Compr.	5,00	kN/m2	*Recolzam.*	0,25	m	*Qd*	98,5	kN/ml



Coef. Placa	1,35		Coef. CC	1,5	Coef. Seg. Car. Perm.	1,5	Coef. Seg. Car. Var. 1,6
Àmbit =	1,2	d (m)= 0,757	KAP = 1		Ψ= 0,7		

RESULTADOS

Lt (m)	Lc (m)	M_o (m·kN)	M_{sc} (m·kN)	$M_{servicio}$ (m·kN)	M_{freq} (m·kN)	V_{cp} (d) (kN)	V_{sc} (d) (kN)	V_{tot} (d) (kN)	V_{freq} (d) (kN)	Md (m·kN)	Vd (kN)
10,04	9,44	529,07	200,51	729,57	669,42	182,29	69,08	251,37	230,65	1097,21	378,04
9,78	9,18	500,33	189,61	689,94	527,12	176,12	66,74	242,86	222,84	1037,60	365,24
		-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-

Características Resistentes de la placa de proyecto T-120/63,08

Mu = 2083,43 mKN

Vu = 721,02 KN

6090

nudos

Nudo	X (m)	Z (m)	Apoyo - código	Apoyo
1	0,0	0,0	ffl	Rotula
2	9,44	0,0	ffl	Rotula

barras

Barra	Nudos	Nudo 2	Sección	Material	Longitud (m)	Gama (Deg)	Tipo
1	1	2	V 50x70	HORMIGON	9,44	0,0	Viga de hormigó

cargas

	Caso	Tipo de carga	Lista	Valores de carga
	1	sobrecarga uniforme	1	PZ=-10,30(kN/m)
	2	sobrecarga uniforme	1	PZ=-6,00(kN/m)
	3	carga trapezoidal (2p)	1	PZ2=-30,00(kN/m) PZ1=-64,80(kN/m) X2=1,00 X1=0,0 global no
	4	sobrecarga uniforme	1	PZ=-6,00(kN/m)

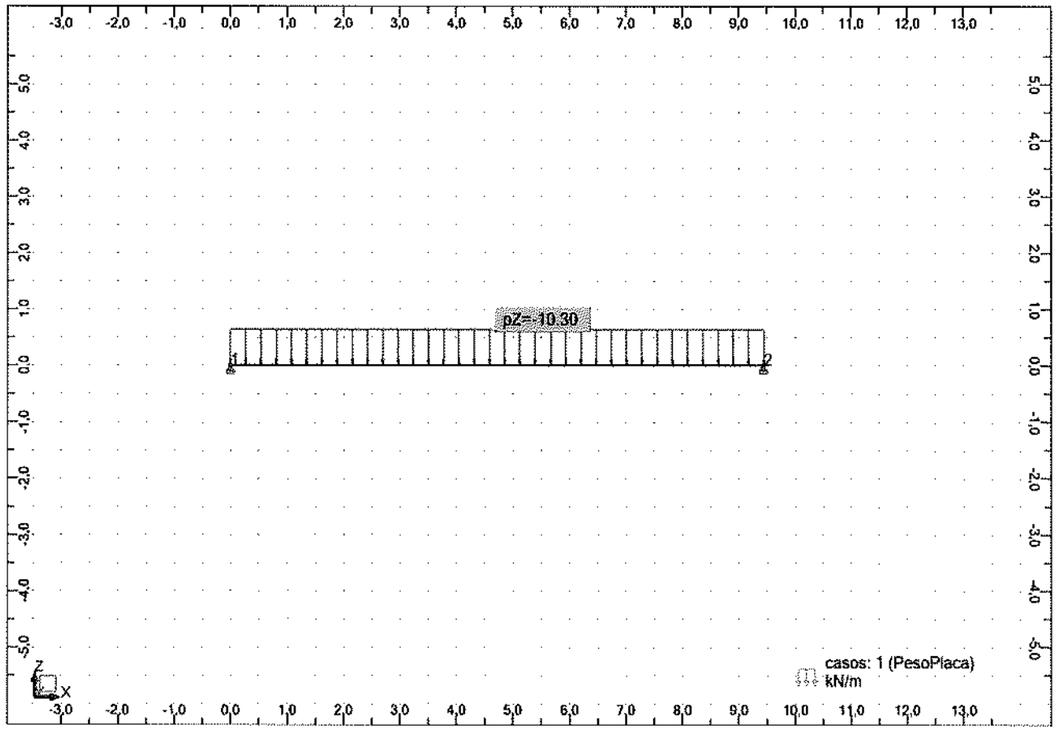
combinaciones

- Caso: 5 (COMB-ELU (sc:5))

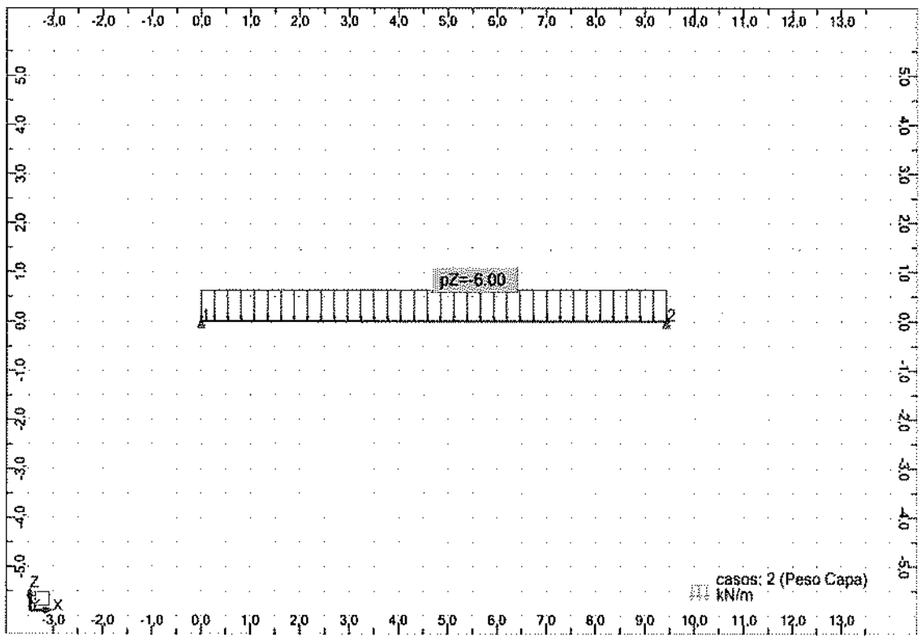
Combinación	Nombre	Tipo de análisis	Naturaleza de	Naturaleza de caso
5 (C)	COMB-ELU (sc:	Combinación lin	ELU	permanente

Combinación	Definición
5 (C)	1*1.35+(2+3)*1.50+4*1.60

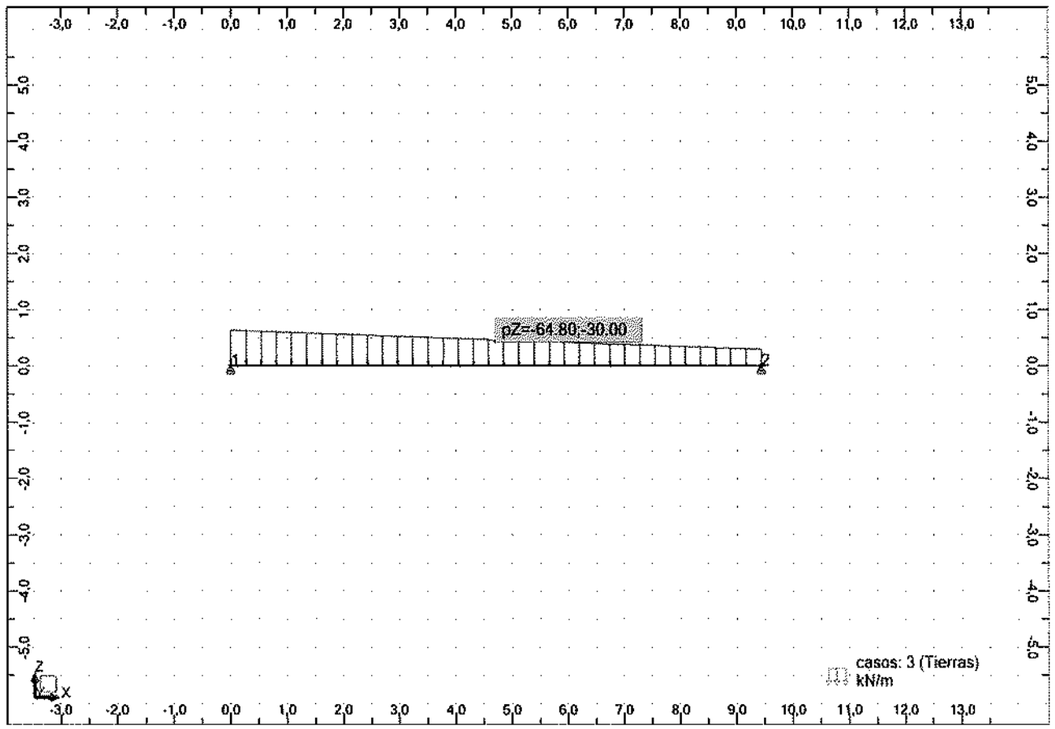
Casos: 1 (PesoPlaca)



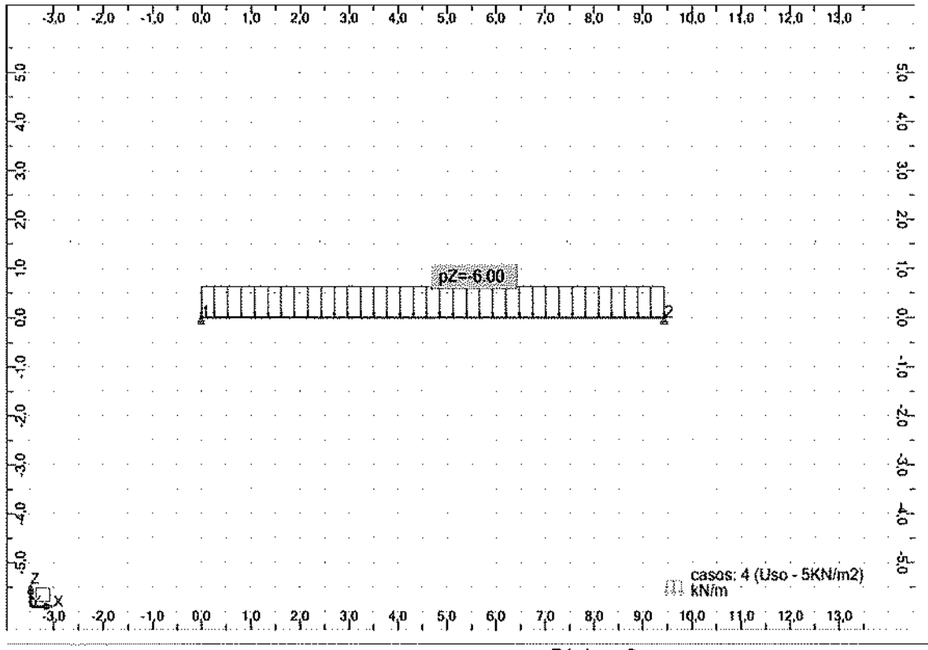
Casos: 2 (Peso Capa)



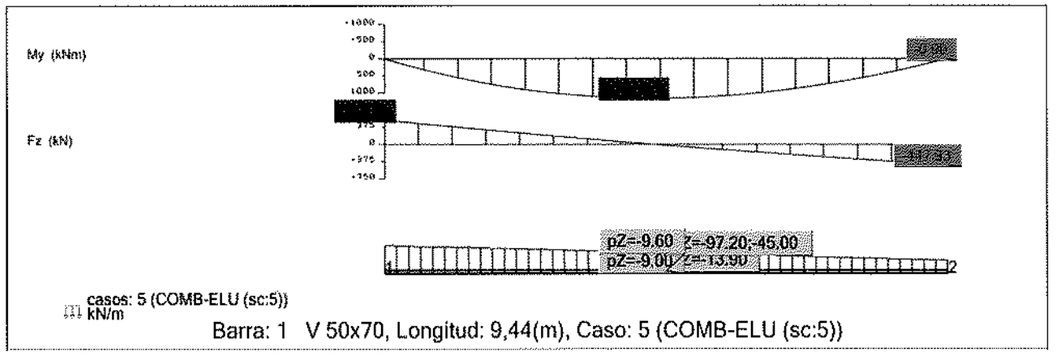
Casos: 3 (Tierras)



Casos: 4 (Uso - 5KN/m2)



Resultados: 5 (COMB-ELU)



Valores

Barra / Punto (m)	FZ (kN)	MY (kNm)
Valor actual	530,05	0,00
para la barra:	**1**	
en el punto:	**x=0,0 (m)**	
1 / inicio	530,05	0,00
1 / MAX MY x=4,87	-0,87	1156,04
1 / +/- FZ x=4,89	-2,26	1156,02
1 / +/- MY x=10,15	-447,93	0,00
1 / fin	-447,93	0,00

Módulo 38

Placa 120*63

Pes placa	8,58	kN/m2	*Càrrega perman.*	30	kN/m2	*Qo*	52,296	kN/ml
Capa Compr.	0,2	m	*Sobrecar. d'ús*	15	kN/m2	*Qsc*	18	kN/ml
Pes C. Compr.	5,00	kN/m2	*Recolzam.*	0,25	m	*Qd*	105,7	kN/ml



Coef. Placa	1,35		Coef. CC	1,5	Coef. Seg. Car. Perm.	1,5	Coef. Seg. Car. Var. 1,6
Àmbit =	1,2	d (m)=	0,757	KAP = 1	Ψ=	0,7	

RESULTADOS

Lt (m)	Lc (m)	M_o (m·kN)	M_{sc} (m·kN)	$M_{servicio}$ (m·kN)	M_{freq} (m·kN)	V_{cp} (d) (kN)	V_{sc} (d) (kN)	V_{tot} (d) (kN)	V_{freq} (d) (kN)	Md (m·kN)	Vd (kN)
9,76	9,16	548,49	188,79	737,28	680,64	193,39	66,56	259,95	239,99	1108,60	390,88
9,78	9,18	550,89	189,61	740,50	577,69	193,91	66,74	260,66	240,63	1113,44	391,93
		-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-

Características Resistentes de la placa de proyecto T-120/63,08

Mu = 2083,43 mKN

Vu = 721,02 KN

Módulo 39

Placa 120*63

Pes placa	8,58	kN/m2	*Càrrega perman.*	26	kN/m2	*Qo*	47,496	kN/ml
Capa Compr.	0,2	m	*Sobrecar. d'ús*	15	kN/m2	*Qsc*	18	kN/ml
Pes C. Compr.	5,00	kN/m2	*Recolzam.*	0,25	m	*Qd*	98,5	kN/ml



Coef. Placa	1,35		Coef. CC	1,5	Coef. Seg. Car. Perm.	1,5	Coef. Seg. Car. Var. 1,6
Àmbit =	1,2	d (m)=	0,757	KAP = 1	Ψ=	0,7	

RESULTADOS

Lt (m)	Lc (m)	M_o (m·kN)	M_{sc} (m·kN)	$M_{servicio}$ (m·kN)	M_{freq} (m·kN)	V_{cp} (d) (kN)	V_{sc} (d) (kN)	V_{tot} (d) (kN)	V_{freq} (d) (kN)	Md (m·kN)	Vd (kN)
9,83	9,23	505,79	191,68	697,47	639,97	177,30	67,19	244,50	224,34	1048,93	367,70
		-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-

Características Resistentes de la placa de proyecto T-120/63,08

Mu = 2083,43 mKN

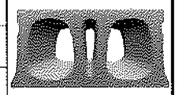
Vu = 721,02 KN

6093

Módulo 40b

Placa 120*63

Pes placa	8,58	kN/m2	*Càrrega perman.*	26	kN/m2	*Qo*	47,496	kN/ml
Capa Compr.	0,2	m	*Sobrecar. d'ús*	15	kN/m2	*Qsc*	18	kN/ml
Pes C. Compr.	5,00	kN/m2	*Recolzam.*	0,25	m	*Qd*	98,5	kN/ml



Coef. Placa	1,35		Coef. CC	1,5	Coef. Seg. Car. Perm.	1,5	Coef. Seg. Car. Var. 1,6
Àmbit =	1,2	d (m)= 0,757	KAP =	1	Ψ=	0,7	

RESULTADOS

Lt (m)	Lc (m)	M_o (m·kN)	M_{sc} (m·kN)	$M_{servicio}$ (m·kN)	M_{freq} (m·kN)	V_{cp} (d) (kN)	V_{sc} (d) (kN)	V_{tot} (d) (kN)	V_{freq} (d) (kN)	Md (m·kN)	Vd (kN)
9,79	9,19	501,42	190,03	691,44	634,43	176,35	66,83	243,19	223,14	1039,86	365,73
9,83	9,23	505,79	191,68	697,47	532,88	177,30	67,19	244,50	224,34	1048,93	367,70
10,12	9,65	552,87	209,53	762,39	649,53	187,28	70,97	258,25	236,96	1146,57	388,38
10,18	9,71	559,76	212,14	771,90	586,92	188,70	71,51	260,22	238,76	1160,87	391,34

Características Resistentes de la placa de proyecto T-120/63,08

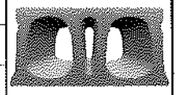
Mu = 2083,43 mKN

Vu = 721,02 KN

Módulo 41b

Placa 120*63

Pes placa	8,58	kN/m2	*Càrrega perman.*	26	kN/m2	*Qo*	47,496	kN/ml
Capa Compr.	0,2	m	*Sobrecar. d'ús*	15	kN/m2	*Qsc*	18	kN/ml
Pes C. Compr.	5,00	kN/m2	*Recolzam.*	0,25	m	*Qd*	98,5	kN/ml



Coef. Placa	1,35		Coef. CC	1,5	Coef. Seg. Car. Perm.	1,5	Coef. Seg. Car. Var. 1,6
Àmbit =	1,2	d (m)= 0,757	KAP =	1	Ψ=	0,7	

RESULTADOS

Lt (m)	Lc (m)	M_o (m·kN)	M_{sc} (m·kN)	$M_{servicio}$ (m·kN)	M_{freq} (m·kN)	V_{cp} (d) (kN)	V_{sc} (d) (kN)	V_{tot} (d) (kN)	V_{freq} (d) (kN)	Md (m·kN)	Vd (kN)
10,33	9,86	577,19	218,74	795,94	730,31	192,26	72,86	265,13	243,27	1197,01	398,73
10,29	9,82	572,52	216,97	789,49	603,18	191,31	72,50	263,82	242,07	1187,32	396,76
		-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-

Características Resistentes de la placa de proyecto T-120/63,08

Mu = 2083,43 mKN

Vu = 721,02 KN

Módulo 42b

Placa 120*63

Pes placa	8,58	kN/m2	*Càrrega perman.*	26	kN/m2	*Qo*	47,496	kN/ml
Capa Compr.	0,2	m	*Sobrecar. d'ús*	15	kN/m2	*Qsc*	18	kN/ml
Pes C. Compr.	5,00	kN/m2	*Recolzam.*	0,25	m	*Qd*	98,5	kN/ml



Coef. Placa	1,35		Coef. CC	1,5	Coef. Seg. Car. Perm.	1,5	Coef. Seg. Car. Var.	1,6
Àmbit =	1,2	d (m)=	0,757	KAP = 1		Ψ= 0,7		

RESULTADOS

Lt (m)	Lc (m)	M_o (m·kN)	M_{sc} (m·kN)	$M_{servicio}$ (m·kN)	M_{freq} (m·kN)	V_{cp} (d) (kN)	V_{sc} (d) (kN)	V_{tot} (d) (kN)	V_{freq} (d) (kN)	Md (m·kN)	Vd (kN)
10,48	10,23	621,32	235,47	856,79	786,15	201,05	76,19	277,24	254,39	1288,53	416,95
		-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-

Característiques Resistents de la placa de projecte T-120/63/08

Mu = 2083,43 mKN

Vu = 721,02 KN

Módulo 43b

Placa 120*63

Pes placa	8,58	kN/m2	*Càrrega perman.*	26	kN/m2	*Qo*	47,496	kN/ml
Capa Compr.	0,2	m	*Sobrecar. d'ús*	15	kN/m2	*Qsc*	18	kN/ml
Pes C. Compr.	5,00	kN/m2	*Recolzam.*	0,25	m	*Qd*	98,5	kN/ml



Coef. Placa	1,35		Coef. CC	1,5	Coef. Seg. Car. Perm.	1,5	Coef. Seg. Car. Var.	1,6
Àmbit =	1,2	d (m)=	0,757	KAP = 1		Ψ= 0,7		

RESULTADOS

Lt (m)	Lc (m)	M_o (m·kN)	M_{sc} (m·kN)	$M_{servicio}$ (m·kN)	M_{freq} (m·kN)	V_{cp} (d) (kN)	V_{sc} (d) (kN)	V_{tot} (d) (kN)	V_{freq} (d) (kN)	Md (m·kN)	Vd (kN)
10,62	10,37	638,45	241,96	880,40	807,82	204,38	77,45	281,83	258,59	1324,04	423,84
10,48	10,23	621,32	235,47	856,79	654,60	201,05	76,19	277,24	254,39	1288,53	416,95
		-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-

Característiques Resistents de la placa de projecte T-120/63/08

Mu = 2083,43 mKN

Vu = 721,02 KN

Módulo 44b

Placa 120*63

Pes placa	8,58	kN/m2	*Càrrega perman.*	26	kN/m2	*Qo*	47,496	kN/ml
Capa Compr.	0,2	m	*Sobrecar. d'ús*	15	kN/m2	*Qsc*	18	kN/ml
Pes C. Compr.	5,00	kN/m2	*Recolzam.*	0,25	m	*Qd*	98,5	kN/ml

Coef. Placa	1,35		Coef. CC	1,5	Coef. Seg. Car. Perm.	1,5	Coef. Seg. Car. Var. 1,6
Àmbit =	1,2	d (m)= 0,757	KAP =	1	Ψ=	0,7	

RESULTADOS

Lt (m)	Lc (m)	M_o (m·kN)	M_{sc} (m·kN)	$M_{servicio}$ (m·kN)	M_{freq} (m·kN)	V_{cp} (d) (kN)	V_{sc} (d) (kN)	V_{tot} (d) (kN)	V_{freq} (d) (kN)	Md (m·kN)	Vd (kN)
10,64	10,39	640,91	242,89	883,80	810,94	204,85	77,63	282,48	259,19	1329,15	424,83
11,15	10,90	705,37	267,32	972,70	743,16	216,96	82,22	299,19	274,52	1462,84	449,95
12,19	11,94	846,40	320,77	1167,17	994,38	241,66	91,58	333,24	305,77	1755,31	501,17
		-	-	-	-	-	-	-	-	-	-

Càrrega última de càlcul de la placa de prova de 120x63

Mu = 2083,43 mKN

Vu = 721,02 KN

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