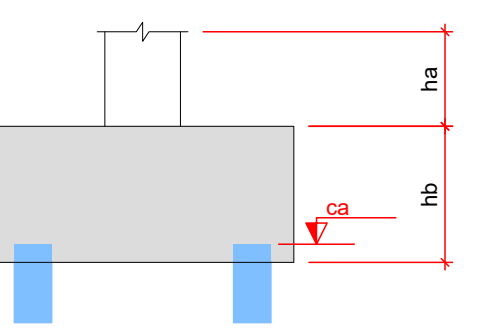


PLANTA DE LOCAÇÃO DAS ESTACAS

Nome	Seção	X (m)	Y (m)	Carga Máx. (kN)				Pilar				Fundação				Banco			
				Máx. (kN)	Positivo (kN)	Mín. (kN)	Negativo (kN)	Máx. (kN)	Positivo (kN)	Mín. (kN)	Negativo (kN)	Fx Máx. (kN)	Positivo (kN)	Fy Máx. (kN)	Negativo (kN)	Lado B (m)	Lado H (m)	Re Estaca	Base sub. (m)
P3	30208	-29025.00	0.00	194	161	5	0	13	0	-1	-3	2	-2	-190	0	70	2	C40x60	-110
P4	30208	-29025.00	0.00	227	194	5	0	13	0	-1	-3	2	-2	-190	0	70	2	C40x60	-110
P5	30208	-29028.00	0.00	216	186	5	0	4	0	-1	-2	2	-2	-190	0	70	2	C40x60	-110
P6	30208	-29113.00	0.00	273	240	5	0	13	0	-1	-3	2	-2	-190	0	70	2	C40x60	-110
P7	30208	-10113.00	0.00	245	208	7	0	0	-9	-3	0	1	-2	-190	0	70	2	C40x60	-110
P8	30208	-595.00	0.00	206	179	9	0	6	0	-2	-2	1	-2	-190	0	70	2	C40x60	-110
P9	30208	-595.00	0.00	175	155	165	0	0	0	0	0	0	0	-190	0	70	2	C40x60	-110
P10	15430	-370.00	-189.50	155	142	4	-1	-1	0	-2	-2	0	2	-2	0	70	1	C40x60	-110
P11	30208	-29025.00	-388.00	171	141	4	-1	-1	0	-2	-2	0	2	-190	0	70	1	C40x60	-110
P12	30208	-24228.00	-388.00	183	152	0	-4	-4	-7	-2	0	1	-2	-190	0	70	2	C40x60	-110
P13	30208	-29025.00	-388.00	171	141	4	-1	-1	0	-2	-2	0	2	-190	0	70	1	C40x60	-110
P14	30208	-16113.00	-388.00	192	175	0	-1	-5	0	0	-1	-2	0	-190	0	70	2	C40x60	-110
P15	30208	-10113.00	-388.00	188	171	0	-6	0	-7	-2	0	0	0	-190	0	70	2	C40x60	-110
P16	30208	-595.00	-388.00	103	94	0	0	0	0	0	0	0	0	-190	0	70	2	C40x60	-110
P17	20208	-29500.00	-603.00	162	132	2	0	7	0	0	-4	2	-2	-1	0	70	1	C40x60	-110
P18	20208	-24240.00	-603.00	205	166	0	0	0	0	0	0	0	0	-160	0	70	2	C40x60	-110
P19	30208	-29028.00	-603.00	184	166	1	-3	-2	0	0	-1	-3	0	-2	0	70	2	C40x60	-110
P20	30208	-16113.00	-603.00	225	197	2	-3	-8	0	0	-1	-3	0	-2	0	70	2	C40x60	-110
P21	30208	-10113.00	-603.00	241	210	5	-4	-10	0	0	-1	-4	0	-200	0	70	2	C40x60	-110
P22	30208	-595.00	-603.00	219	202	5	0	4	0	1	-1	-2	-1	-200	0	70	2	C40x60	-110
P23	30208	-595.00	-603.00	219	202	5	0	4	0	1	-1	-2	-1	-200	0	70	2	C40x60	-110
P24	30208	-595.00	-603.00	219	202	5	0	4	0	1	-1	-2	-1	-200	0	70	2	C40x60	-110
P25	30208	-595.00	-603.00	219	202	5	0	4	0	1	-1	-2	-1	-200	0	70	2	C40x60	-110
P26	C30	316.50	-803.50	136	123	4	0	0	-4	0	-1	-2	2	-2	0	70	1	C40x60	-110
P27	30208	-29500.00	-803.50	162	132	2	0	7	0	0	-4	2	-2	-1	0	70	1	C40x60	-110
P28	30208	-24240.00	-803.50	205	166	0	0	0	0	0	0	0	0	-160	0	70	2	C40x60	-110
P29	30208	-16113.00	-803.50	241	210	5	-4	-10	0	0	-1	-4	0	-200	0	70	2	C40x60	-110
P30	30208	-10113.00	-803.50	259	223	7	-5	-13	0	0	-2	-5	0	-200	0	70	2	C40x60	-110
P31	30208	-595.00	-803.50	189	169	10	-6	-10	0	0	-2	-5	0	-200	0	70	2	C40x60	-110
P32	30208	-29500.00	-1244.00	154	142	0	-3	-5	-2	0	-2	-1	0	70	1	C40x60	-110		
P33	30208	-24240.00	-1244.00	273	248	2	0	10	0	0	-5	-2	0	70	1	C40x60	-110		
P34	30208	-1805.00	-1244.00	230	197	0	-5	-4	-2	-2	0	-1	-2	-190	0	70	2	C40x60	-110
P35	30208	-1807.00	-1244.00	146	123	4	-4	-3	-2	0	-1	-2	2	-2	0	70	1	C40x60	-110
P36	30208	-1254.00	-1244.00	151	133	0	-4	-7	0	0	-1	-2	-1	-190	0	70	1	C40x60	-110
P37	30208	-595.00	-1244.00	165	142	0	-3	-5	-2	0	-2	-1	0	70	1	C40x60	-110		
P38	C30	316.50	-1244.00	125	112	0	0	0	-6	-2	0	0	3	0	0	70	2	C40x60	-110
P39	C30	316.50	-1411.50	125	112	0	-4	-5	-1	0	0	-1	-1	70	1	C40x60	-110		
P40	30208	-2850.00	-1612.00	153	126	0	-3	-5	-1	0	0	-1	-1	70	1	C40x60	-110		
P41	30208	-24240.00	-1612.00	259	206	1	-3	3	0	0	-2	-1	-2	-190	0	70	2	C40x60	-110
P42	30208	-1805.00	-1612.00	167	142	0	-3	-5	-1	0	0	-1	-1	70	1	C40x60	-110		
P43	30208	-1707.00	-1612.00	167	121	3	0	-3	-6	-2	0	0	2	0	70	2	C40x60	-110	
P44	30208	-10113.00	-1612.00	186	157	3	0	0	0	0	0	0	0	70	2	C40x60	-110		
P45	30208	-595.00	-1612.00	157	142	0	-3	-5	-1	0	0	-1	-1	70	1	C40x60	-110		
P46	30208	-285.00	-1672.00	135	121	2	-1	0	0	0	-1	-2	-2	-1	70	1	C40x60	-110	
P47	30208	62.00	-1613.50	160	129	0	-3	-5	-1	0	0	-1	-1	70	1	C40x60	-110		
P48	30208	-29025.00	-1847.00	223	179	5	0	15	0	0	-2	-2	-2	-190	0	70	2	C40x60	-110
P49	30208	-24228.00	-1847.00	325	248	7	0	15	0	0	-2	-2	-2	-190	0	70	2	C40x60	-110
P50	30208	-1805.00	-1847.00	204	208	11	0	1	-3	-2	0	-1	-3	0	70	2	C40x60	-110	
P51	30208	-1307.00	-1847.00	154	132	4	0	0	-6	-2	0	-2	-4	0	70	1	C40x60	-110	
P52	30208	-10113.00	-1847.00	166	129	0	-6	-7	-2	0	0	-2	-2	70	1	C40x60	-110		
P53	30208	-595.00	-1847.00	167	154	0	-6	0	-3	-2	0	-2	-2	70	1	C40x60	-110		
P54	30208	-1805.00	-1847.00	158	136	0	-6	-7	-2	0	0	-2	-2	70	1	C40x60	-110		
P55	30208	60.00	-1862.00	178	139	5	0	13	0	0	-2	-2	0	70	2	C40x60	-110		
P56	30208	-1307.00	-2215.00	207	192	0	-5	-6	-1	0	0	-3	0	70	1	C40x60	-110		
P57	30208	-1310.00	-2215.00	177	146	0	-5	-6	-1	0	0	-3	0	70	1	C40x60	-110		
P58	30208	-595.00	-2215.00	186	183	4	0	-3	-4	-2	0	0	-2	-2	70	2	C40x60	-110	
P59	30208	-385.00	-2215.00	244	183	7	0	-3	-4	-2	0	0	-2	-2	70	2	C40x60	-110	
P60	30208	-29025.00	-2365.00	224	185	0	-11	-14	0	0	-2	-1	-2	-190	0	70	2	C40x60	-110
P61	30208	-24228.00	-2365.00	344	244	0	-11	-14	0	0	-2	-2	-2	-190	0	70	2	C40x60	-110
P62	30208	-1805.00	-2365.00	275	207	0	-16	-15	-3	0	0	-1	-1	-2	70	2	C40x60	-110	
P63	1630	-720	-2335.50	77	73	0	-2	-2	0	0	-1	-2	0	70	1	C40x60	-110		
P64	1630	-699.50	-2410.50	74	71	0	-2	-2	0	0	-1	-2	0	70	1	C40x60	-110		

Os esforços indicados nesta tabela são os valores máximos obtidos pela envoltória de todas as combinações definidas para as fundações. Para análises complementares, deve-se consultar o relatório de esforços na fundação, que apresenta os valores calculados para cada combinação.

Estacas			
Simbologia	Nome	d (cm)	Quantidade
	C40-8	40.00	109



Pilar nascendo			
Nome	Seção (cm)	X (cm)	Y (cm)
P1	15x25	-2867.57	-2587
P2	15x25	-3001.57	-2587
P3	14x30	-2870.07	-2895
P4	14x30	-2999.07	-2895
P5	15x25	-2867.57	-3145
P6	15x25	-3001.57	-3145

E22	-82.50	-82.61	127.36	118.43	0.00	0.69	0.15		
E23	-81.50	-82.64	80.50	127.00	0.00	0.00	0.00		
B24	E24	-316.50	-803.50	143.23	130.18	4.07	2.27	0.17	
E25	E26	-2990.00	-971.00	105.37	86.27	1.02	0.04	1.96	1.10
E25	E27	-2970.00	-971.00	117.77	99.75	1.02	0.04	1.96	1.10
B26	E28	-2424.00	-911.00	133.92	111.75	4.17	2.97	0.91	0.06
E29	E30	-2424.00	-1031.00	100.00	105.87	0.17	0.07	0.11	0.13
B27	E31	-2068.00	-911.00	82.74	71.33	1.97	0.62	0.87	0.20
E32	E32	-2068.00	-1031.00	85.03	73.51	1.97	0.62	0.87	0.20
B28	E33	-1613.00	-911.00	111.33	93.35	3.98	2.75	1.07	0.10
E34	E34	-1613.00	-1031.00	111.10	94.24	3.98	2.75	1.10	0.57
B29	E35	-1013.00	-911.00	100.72	92.46	1.67	1.32	0.65	0.16
E36	E36	-1013.00	-1031.00	118.46	101.17	2.51	1.32	0.65	0.16
B30	E37	-455.00	-971.00	108.94	98.55	2.18	0.48	0.93	0.15
E38	E38	-435.00	-971.00	102.95	92.46	1.67	0.48	0.93	0.15
B31	E39	-15.00	-971.00	161.80	149.66	6.35	5.03	1.41	0.19
B32	E40	-2960.00	-1244.00	146.25	78.19	0.08	0.05	1.87	0.04
E41	E41	-2970.00	-1244.00	106.58	91.46	0.08	0.05	1.87	0.04
B33	E42	-2424.00	-1184.00	146.58	126.00	1.70	0.40	1.11	0.13
E43	E43	-2424.00	-1304.00	149.29	124.52	1.70	0.40	1.11	0.13
B34	E44	-1805.00	-1184.00	128.84	110.32	1.64	0.33	0.58	0.13
E45	E45	-1805.00	-1304.00	129.15	107.10	1.64	0.33	0.58	0.13
B35	E46	-1307.00	-1184.00	86.01	72.84	1.96	0.62	0.87	0.20
E47	E47	-1307.00	-1304.00	83.58	71.08	1.96	0.62	0.87	0.20
B36	E48	-1013.00	-1184.00	158.70	134.24	4.38	2.51	0.93	0.17
B37	E49	-595.00	-1184.00	111.66	100.55	2.62	1.37	0.65	0.18
E50	E50	-595.00	-1304.00	111.18	105.72	2.62	1.37	0.65	0.18
B38	E51	-15.00	-1184.00	107.08	96.39	2.50	1.14	0.26	0.06
E52	E52	-15.00	-1304.00	116.05	107.09	2.33	2.50	1.14	0.25
B39	E53	-316.50	-1411.50	132.23	120.84	4.58	2.68	1.28	0.26
B40	E54	-2930.00	-1612.00	160.99	133.20	6.06	4.57	2.66	0.95
E55	E55	-2484.00	-1612.00	139.00	112.07	1.27	0.02	0.99	0.05
E56	E56	-2364.00	-1610.00	141.82	114.88	1.27	0.02	0.99	0.05
B41	E57	-1805.00	-1552.00	141.12	112.52	1.55	0.17	0.80	0.18
E58	E58	-1805.00	-1672.00	90.10	70.77	1.55	0.17	0.80	0.18
B43	E59	-1307.00	-1552.00	90.10	70.77	1.32	0.01	0.82	0.16
E60	E60	-1307.00	-1672.00	90.38	71.31	1.32	0.01	0.82	0.16
B44	E61	-1073.00	-1612.00	98.30	82.70	2.02	0.62	0.91	0.22
E62	E62	-963.00	-1612.00	109.60	94.90	1.59	0.02	0.91	0.13
B45	E63	-595.00	-1612.00	164.72	149.94	9.11	6.81	2.10	0.51
B46	E64	-595.00	-1672.00	142.36	128.77	6.38	1.92	1.16	0.41
B47	E65	-162.50	-1619.50	143.72	133.83	8.00	6.13	2.03	1.14
E66	E66	-2925.00	-1787.00	119.52	101.28	1.19	0.04	1.95	0.06
E68	E68	-2925.00	-1907.00	126.05	103.09	6.97	5.41	1.19	0.26
B49	E69	-2423.00	-1777.72	124.39	104.31	0.00	0.00	1.62	0.22
E70	E70	-2483.00	-1881.84	120.24	100.46	0.00	0.00	1.62	0.24
E49	E71	-2363.00	-1881.84	120.63	100.30	0.00	0.00	1.62	0.22
B50	E72	-1865.00	-1847.00	109.24	92.21	0.00	0.00	1.62	0.22
E50	E73	-1745.00	-1847.00	105.77	90.00	0.00	0.00	1.62	0.22
B51	E51	-1307.00	-1847.00	161.61	139.74	5.32	3.09	3.05	0.49
B52	E52	-1013.00	-1847.00	153.51	138.19	3.33	2.03	3.33	0.49
E53	E53	-459.00	-1847.00	99.40	89.75	1.15	0.06	0.77	0.12
E53	E54	-459.00	-1907.00	99.40	89.75	1.15	0.06	0.77	0.12
B54	E54	-288.00	-1862.00	143.90	133.63	9.33	1.87	2.08	0.23
E55	E55	-0.00	-1862.00	95.80	91.73	2.26	0.45	1.06	0.33
E56	E56	-120.00	-1862.00	114.78	108.97	2.26	0.45	1.06	0.33
B57	E57	-1307.00	-2158.00	117.93	110.17	4.75	3.44	1.45	0.58
E58	E58	-1307.00	-2278.00	112.32	102.53	4.75	3.44	1.45	0.58
B57	E59	-1013.00	-2215.00	164.73	153.17	7.53	4.88	2.03	0.20
B58	E60	-595.00	-2156.00	109.10	101.51	1.56	0.29	1.04	0.30
E61	E61	-595.00	-2275.00	111.42	101.01	1.56	0.29	1.04	0.30
B59	E62	-3445.00	-2215.00	91.52	85.96	3.23	1.01	0.75	0.13
E62	E63	-2225.00	-2215.00	94.96	89.01	3.23	1.01	0.75	0.13
B60	E64	-2985.00	-2386.00	114.63	92.46	2.60	1.21	0.80	0.26
E65	E65	-2965.00	-2386.00	132.36	113.14	4.03	2.60	1.21	0.38
B61	E66	-2423.00	-2312.72	127.10	110.39	0.00	0.00	1.62	0.22
E67	E67	-2483.00	-2419.64	127.95	111.41	0.00	0.00	1.69	0.13
B62	E68	-2363.00	-2419.64	131.56	114.37	0.00	0.00	1.69	0.13
E69	E69	-1865.00	-2386.00	169.75	150.29	1.13	0.81	1.36	0.51
E70	E70	-1745.00	-2386.00	137.36	127.40	1.13	0.81	1.36	0.51
B64	E71	-2386.00	-2416.50	84.65	73.87	2.51	1.49	1.38	0.49
B64	E72	-169.50	-2331.50	81.85	76.49	7.86	5.49	2.22	0.75