



Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Mín. (tf)	Pier				Fundação				Lado B (cm)	Lado H (cm)	h1 (cm)	h2 (cm)	df (cm)	ne	Estaca	Base tub. (cm)	
						Mx Máximo (tf)	Mx Mínimo (tf)	Fx Máximo (tf)	Fx Mínimo (tf)	Fy Máximo (tf)	Fy Mínimo (tf)	Fz Máximo (tf)	Fz Mínimo (tf)									
E1	-	6191.00	896.00	1.7	0.9	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0	1	C30	66	
E2	-	6170.00	896.00	1.7	0.9	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0	1	C30	66	
P2	20x30	4767.50	4081.00	14.0	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	-0.2	150	60	40	55	2	C30	28
P3	20x30	5225.00	4081.00	14.2	11.8	0.0	0.0	0.0	0.0	0.2	-0.8	1.0	0.0	150	60	40	55	2	C30	28		
P4	20x30	5472.50	4081.00	12.4	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.3	150	60	40	55	2	C30	28
P5	20x30	5973.00	4081.00	19.2	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.4	1.1	0.0	150	60	40	55	2	C30	28
P6	20x30	6430.50	4081.00	13.0	10.7	0.0	0.0	0.0	0.0	0.0	0.2	-0.5	0.0	-0.3	150	60	40	55	2	C30	28	
P7	20x30	6720.00	4081.00	8.2	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	150	60	40	55	1	C30	28
P8	20x30	5225.00	3803.00	3.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.5	-0.5	60	40	40	55	1	C30	28	
P9	20x30	5973.00	3803.00	2.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.2	-0.7	60	40	40	55	1	C30	28	
P10	20x30	6720.00	3803.00	4.3	4.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.4	60	40	40	55	1	C30	28	
P11	20x30	4991.00	3520.00	17.6	14.6	0.0	0.0	0.0	0.0	0.0	0.0	-3.5	0.1	0.0	150	60	40	55	2	C30	28	
P12	20x40	5225.00	3520.00	5.7	4.6	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	-1.5	60	40	40	55	1	C30	28	
P13	20x30	5459.00	3520.00	17.4	14.4	0.0	0.0	0.0	0.0	0.0	0.0	-0.7	0.1	-0.4	150	60	40	55	2	C30	28	
P14	20x30	5972.00	3520.00	14.6	12.1	0.0	0.0	0.0	0.0	0.0	0.6	-0.2	0.0	-1.0	150	60	40	55	2	C30	28	
P15	20x30	6507.00	3520.00	15.5	12.7	0.0	0.0	0.0	0.0	0.0	0.0	-0.8	0.0	-0.2	150	60	40	55	2	C30	28	
P16	20x30	6720.00	3520.00	14.1	11.8	0.0	0.0	0.0	0.0	0.0	0.0	-0.8	0.0	-1.1	150	60	40	55	2	C30	28	
P17	20x30	4991.00	3200.00	17.4	14.5	0.0	0.0	0.0	0.0	0.0	0.0	-3.8	0.1	-0.1	150	60	40	55	2	C30	28	
P18	20x30	5225.00	3195.00	5.8	4.7	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	-0.4	60	40	40	55	1	C30	28	
P19	20x30	5973.00	3195.00	17.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.8	0.1	-0.1	150	60	40	55	2	C30	28	
P20	20x30	6507.00	3195.00	15.5	12.8	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.1	0.0	150	60	40	55	2	C30	28	
P21	20x30	6720.00	3195.00	15.0	12.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	0.0	-0.9	150	60	40	55	2	C30	28	
P22	20x30	3195.00	14.7	12.3	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.7	0.0	150	60	40	55	2	C30	28		
P23	20x30	5225.00	2917.00	3.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.4	-0.4	60	40	40	55	1	C30	28	
P24	20x30	5973.00	2917.00	2.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.8	-0.3	60	40	40	55	1	C30	28	
P25	20x30	6720.00	2917.00	4.3	4.1	0.0	0.0	0.0	0.0	0.1	0.0	0.5	-0.3	60	40	40	55	1	C30	28		
P26	20x30	4767.50	2634.00	14.0	11.5	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	0.3	0.0	150	60	40	55	2	C30	28	
P27	20x30	5225.00	2634.00	14.1	11.8	0.0	0.0	0.0	0.0	0.0	0.0	-0.8	0.0	-1.1	150	60	40	55	2	C30	28	
P28	20x30	5472.50	2634.00	12.4	10.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.1	0.2	0.0	150	60	40	55	2	C30	28	
P29	20x30	5973.00	2634.00	19.2	16.1	0.0	0.0	0.0	0.0	0.1	-0.4	0.0	-1.2	150	60	40	55	2	C30	28		
P30	20x30	6430.50	2634.00	13.0	10.7	0.0	0.0	0.0	0.0	0.2	-0.5	0.0	-0.3	150	60	40	55	2	C30	28		
P31	20x30	6720.00	2634.00	8.2	6.8	0.0	0.0	0.0	0.0	0.4	0.0	0.0	-0.7	60	40	40	55	1	C30	28		
P32	20x30	4767.50	1462.00	13.4	11.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.3	0.0	-0.2	150	60	40	55	2	C30	28	
P33	20x30	5225.00	1462.00	13.1	10.9	0.0	0.0	0.0	0.0	0.0	0.0	-1.2	0.0	-0.1	150	60	40	55	2	C30	28	
P34	20x30	5682.50	1462.00	13.0	10.7	0.0	0.0	0.0	0.0	0.2	-0.4	0.0	-0.1	150	60	40	55	2	C30	28		
P35	20x30	5973.00	1462.00	19.2	16.1	0.0	0.0	0.0	0.0	0.0	0.0	-1.1	1.2	0.0	150	60	40	55	2	C30	28	
P36	20x42	6396.00	1475.00	13.1	11.1	0.0	0.0	0.0	0.0	1.0	0.0	0.1	-0.1	150	60	40	55	2	C30	28		
P37	20x30	6687.50	1462.00	13.2	10.8	0.0	0.0	0.0	0.0	0.0	0.0	-0.7	0.0	-0.3	150	60	40	55	2	C30	28	
P38	20x30	7145.00	1462.00	17.7	14.8	0.0	0.0	0.0	0.0	0.2	-0.5	1.1	0.0	150	60	40	55	2	C30	28		
P39	20x30	7892.00	1462.00	13.5	11.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	0.0	-0.9	150	60	40	55	2	C30	28	
P40	20x30	7892.00	1457.00	8.0	6.7	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	60	108	55	0	1	C30	-40		
P41	20x30	5225.00	1179.00	2.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.4	-0.4	60	40	40	55	1	C30	28	
P42	20x30	5973.00	1179.00	2.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.8	-0.3	60	40	40	55	1	C30	28	
P43	20x30	6720.00	1179.00	4.5	4.3	0.0	0.0	0.0	0.0	0.1	0.0	0.1	-0.2	60	108	55	0	1	C30	-40		
P44	20x30	5974.00	1063.00	9.5	7.7	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	0.1	-0.9	60	40	40	55	1	C30	28	
P45	20x30	5225.00	991.00	5.8	4.7	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	-1.5	60	40	40	55	1	C30	28	
P46	20x30	5973.00	991.00	5.8	4.7	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	-1.5	60	40	40	55	1	C30	28	
P47	20x30	6720.00	991.00	14.5	11.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	0.2	-0.5	150	60	40	55	2	C30	28	
P48	20x30	4991.00	901.00	17.6	14.6	0.0	0.0	0.0	0.0	0.5	-0.5	0.2	-0.5	150	60	40	55	2	C30	28		
P49	20x30	5974.00	901.00	5.8	4.7	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	-1.4	60	40	40	55	1	C30	28	
P50	20x30	6720.00	901.00	14.5	11.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	0.2	-0.5	150	60	40	55	2	C30	28	
P51	20x30	6396.00	901.00	16.9	14.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	0.0	-0.9	150	60	40	55	2	C30	28	
P52	20x30	7145.00	901.00	5.8	4.7	0.0	0.0	0.0	0.0	0.0	0.0	-1.4	0.0	-1.4	60	40	40	55	1	C30	28	
P53	20x30	7379.00	896.00	17.0	13.9	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	-0.2	150	60	40	55	2	C30	28	
P54	20x30	6960.00	896.00	16.9	14.1	0.0	0.0	0.0	0.0	0.0	0.0	-1.2	0.0	-0.9	150	60	40	55	2	C30	28	
P55	20x30	6687.50	896.00	17.6	14.6	0.0	0.0	0.0	0.0	0.0	0.0	-3.7	0.1	-0.2	150	60	40	55	2	C30	28	
P56	20x30	5225.00	576.00	16.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	1.4	0.0	60	40	40	55	1	C30	28	
P57	20x30	5972.00	576.00	17.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	1.4	0.0	60	40	40	55	1	C30	28	
P58	20x30	6720.00	576.00	14.9	11.6	0.0	0.0	0.0	0.0	0.7	0.0	0.4	-0.2	150	60	40	55	2	C30	28		
P59	20x30	6396.00	576.00	13.1	10.9	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	-0.4	150	60	40	55	2	C30	28		
P60	20x30	6911.00	576.00	16.9	14.1	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	150	60	40	55	2	C30	28		
P61	20x30	7145.00	571.00	5.7	4.7	0.0	0.0	0.0	0.0	0.1	0.0	1.3	0.0	60	40	40	55	1	C30	28		
P62	20x30	7379.00	576.00	17.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	0.3	0.0	150	60	40	55	2	C30	28	
P63	20x30	7892.00	571.00	14.6	12.2	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.7	-0.2	150	60	40	55	2	C30	28	
P64	20x30	5976.50	409.00	17.4	13.1	0.0	0.0	0.0	0.0	0.0	-1.3	1.5	0.0	150	60	40	55	2	C30	28		
P65	20x30	6396.00	409.00	17.7	13.3	0.0	0.0	0.0														