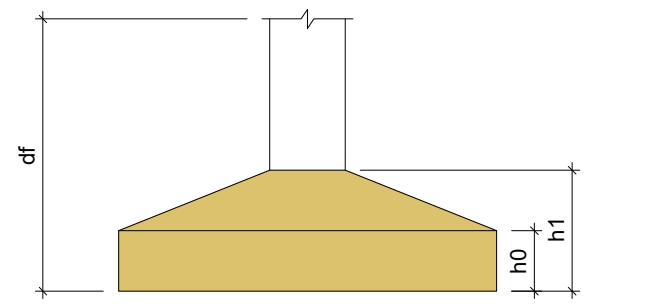


Nome	Seção	X (cm)	Y (cm)	Carga Max (t)	Pilar						Fundação								
					Carga Min (t)		Carga Máx (t)		My Máximo (kgf.m)	Fy Máximo (t)	Fy Máximo (t)	Lado B Lado H	H1/H2	df (cm)					
					Positivo	Negativo	Positivo	Negativo							Positivo	Negativo	Positivo	Negativo	
P1	20x20	-589.54	1679.43	4.6	2.2	800	0	0	0	100	0	0.2	-0.4	0.0	-0.8				
P2	20x20	-1037.60	1649.52	6.0	3.2	800	0	209	0	0.3	-0.2	0.0	-1.6	65	30	30	120		
P3	20x20	-356.11	1643.76	4.3	2.3	0	0	0	0	0	0	0.1	-0.3	0.4	0.0	80	60	25	120
P4	20x20	-189.86	1646.77	2.5	0.4	0	0	0	0	-200	0	0.1	-0.3	0.2	-0.2	80	60	25	120
P5	20x20	-1485.43	1578.30	6.1	1.5	0	0	0	1100	0	0	0.2	-0.1	0.2	0.0	65	30	30	120
P6	20x20	-354.97	1524.64	4.5	0.7	0	0	0	0	0	0	0.2	-0.1	0.2	0.0	65	30	30	120
P7	20x20	-314.66	1476.12	1.1	0.9	0	0	0	0	0	0	0.1	-0.3	0.1	-0.2	65	30	30	120
P8	20x20	-1484.51	1400.19	3.9	0.8	0	0	0	700	0	0	0.7	0.1	0.7	0.0	65	30	30	120
P9	20x20	-339.77	1302.62	1.2	0.8	0	0	0	0	0	0	0.0	-0.3	0.1	-0.2	60	25	25	120
P10	20x20	-889.77	1301.83	2.2	2.0	300	0	-200	0.2	-0.2	0.0	0.0	-0.3	0.0	-0.3	60	25	25	120
P11	20x20	-1472.15	1167.49	1.4	1.0	0	0	0	0	0	0	0.1	-0.3	0.1	-0.2	65	30	30	120
P12	20x20	-302.85	1143.73	0.7	0.6	0	0	0	0	0	0	0.3	0.0	0.1	0.0	60	25	25	120
P13	20x20	-1693.67	1104.31	1.0	0.8	0	0	0	0	0	0	0.1	-0.3	0.1	-0.2	60	25	25	120
P14	20x20	-769.85	1070.77	5.1	2.6	0	0	0	0	0	0	0.2	-0.1	0.2	-0.1	60	25	25	120
P15	20x20	-1534.51	1034.48	7.3	4.3	1800	0	500	0.3	0.3	0.0	0.0	0.0	-1.8	0.5	30	60	25	120
P16	20x20	-639.85	1033.14	11.4	8.8	0	0	0	0	0	0	0.2	-0.1	0.3	-0.2	60	25	25	120
P17	20x20	-969.57	1024.28	0.7	0.6	0	0	0	0	0	0	0.0	-0.4	0.0	0.0	60	25	25	120
P18	20x20	-369.25	960.87	1.2	0.9	0	0	0	0	0	0	0.1	-0.3	0.1	-0.2	60	25	25	120
P19	20x20	-520.51	959.98	1.8	1.4	0	0	0	0	0	0	0.1	0.0	0.1	-0.1	80	25	25	120
P20	20x20	-698.61	930.19	1.8	1.4	0	0	0	0	0	0	0.1	0.0	0.1	-0.1	80	25	25	120
P21	20x20	-256.45	878.56	1.6	1.5	0	0	0	0	0	0	0.1	0.0	0.1	0.0	80	25	25	120
P22	20x20	-550.07	836.06	5.3	3.8	0	0	0	0	0	0	0.1	0.0	0.1	-0.2	80	25	25	120
P23	20x20	-2179.51	842.74	6.7	3.8	0	-700	1200	0	0.7	0.0	0.6	0.0	0.6	0.0	65	30	30	120
P24	20x20	-1039.95	821.77	1.3	1.3	0	0	0	0	0	0	0.1	0.0	0.1	-0.2	60	25	25	120
P25	20x20	-677.80	806.45	5.3	3.8	0	0	0	0	0	0	0.1	-0.2	0.3	0.0	80	25	25	120
P26	20x20	-922.71	764.14	1.6	1.5	0	0	0	0	0	0	0.1	-0.2	0.1	0.0	80	25	25	120
P27	20x20	-864.78	776.84	4.4	2.0	0	0	0	0	0	0	0.2	-0.1	0.2	-0.1	80	25	25	120
P28	20x20	-891.68	729.60	6.4	3.6	0	0	0	0	0	0	0.2	-0.1	0.3	-0.2	80	25	25	120
P29	20x20	-445.28	687.53	0.5	0.6	0	0	0	0	0	0	0.2	-0.3	0.1	-0.2	80	25	25	120
P30	20x20	-202.45	571.97	0.5	0.4	0	0	0	0	0	0	0.1	0.0	0.0	0.0	80	25	25	120
P31	20x20	-448.76	529.74	1.9	1.2	0	0	0	0	0	0	0.1	0.0	0.0	-0.1	80	25	25	120
P32	20x20	-426.17	499.30	1.8	1.2	0	0	0	0	0	0	0.1	0.0	0.0	-0.1	80	25	25	120
P33	20x20	-1518.94	494.64	1.4	0.9	0	0	0	0	0	0	0.0	-0.1	0.0	0.0	80	25	25	120
P34	20x20	-946.35	460.09	4.6	2.5	0	0	0	0	0	0	0.2	-0.2	0.8	-0.5	80	25	25	120
P35	20x20	-869.87	457.65	0.5	0.4	0	0	0	0	0	0	0.1	0.0	0.0	-0.2	80	25	25	120
P36	20x20	-1781.79	414.81	16.9	11.8	0	0	0	0	0	0	0.0	-0.4	0.0	-0.2	80	25	25	120
P37	20x20	-466.63	394.04	0.9	0.5	0	0	0	0	0	0	0.2	-0.2	0.1	-0.2	80	25	25	120
P38	20x20	-165.50	369.29	3.1	1.6	0	0	0	0	0	0	0.1	0.0	0.1	-0.2	80	25	25	120
P39	20x20	-1528.21	331.09	7.7	3.8	0	-1000	1800	0	1.5	0.0	1.1	0.0	0.6	0.0	65	30	30	120
P40	20x20	-1154.53	321.98	6.8	0.7	0	0	0	0	0	0	0.0	-0.2	0.0	-0.2	80	25	25	120
P41	20x20	-966.55	297.28	1.3	1.2	0	0	0	0	0	0	0.2	-0.3	0.2	-0.1	80	25	25	120
P42	20x20	-707.96	272.67	3.1	1.6	0	0	0	0	0	0	0.0	-1.8	0.0	-0.3	80	25	25	120
P43	20x20	-864.44	244.65	3.9	1.3	0	0	0	0	0	0	0.2	-0.3	0.3	-0.3	80	25	25	120
P44	20x20	-529.45	196.89	0.7	0.2	0	0	0	0	0	0	0.2	-0.2	0.1	-0.2	80	25	25	120
P45	20x20	-186.47	157.67	3.8	2.3	0	0	0	0	0	0	2.6	0.0	0.6	0.0	65	30	30	120
P46	20x20	-1201.21	159.85	0.5	0.3	0	0	0	0	0	0	0.0	-0.2	0.1	0.0	80	25	25	120
P47	20x20	-893.10	86.45	0.9	0.8	0	0	0	0	0	0	0.0	-0.2	0.0	0.0	80	25	25	120
P48	20x20	-717.64	63.01	3.9	2.3	0	0	0	0	0	0	0.0	-2.0	0.0	-0.2	75	75	25	120
P49	20x20	-946.55	45.99	1.3	1.3	0	0	0	0	0	0	0.5	0.0	0.4	0.0	80	25	25	120
P50	20x20	-247.18	-8.80	0.3	0.2	0	0	0	0	0	0	0.5	0.0	0.1	0.0	80	25	25	120
P51	20x20	-10.64	-49.30	2.0	1.9	0	0	0	0	0	0	0.2	0.0	0.0	-0.1	80	25	25	120
P52	20x20	-330.15	-107.83	2.3	2.1	0	0	0	0	0	0	0.1	0.0	0.1	0.0	80	25	25	120
P53	20x20	-1343.53	-123.37	2.0	1.5	0	0	0	0	0	0	0.0	-0.4	0.0	-0.2	80	25	25	120
P54	20x20	-30.10	-162.72	1.5	1.3	0	0	0	0	0	0	0.0	-0.7	0.0	-0.4	80	25	25	120
P55	20x20	-1677.54	-179.24	5.3	3.3	0	-500	900	0	0.4	0.0	0.6	0.0	0.6	0.0	65	30	30	120
P56	14x30	-659.00	-203.62	2.2	1.9	0	0	0	0	0	0	0.0	-0.1	0.0	-0.3	80	25	25	120
P57	20x20	-310.75	-220.84	0.5	0.4	0	0	0	0	0	0	0.1	0.0	0.1	0.0	80	25	25	120
P58	20x20	-1278.34	-270.49	0.8	0.7	0	0	0	0	0	0	0.3	0.0	0.3	0.2	80	25	25	120
P59	20x20	-598.56	-269.88	1.3	1.3	0	0	0	0	0	0	0.5	0.0	0.4	0.0	80	25	25	120
P60	20x20	-1604.06	-328.84	1.3	1.0	0	0	0	0	0	0	0.0	-0.4	0.4	0.0	65	30	30	120
P61	20x20	-1298.81	-463.86	0.9	0.8	0	0	0	0	0	0	0.4	0.0	0.0	-0.6	65	30	30	120
P62	20x20	-1405.94	-752.28	0.3	0.1	0	0	0	0	0	0	0.2	0.0	0.3	0.0	60	25	25	120
P63	14x17	-650.80	-1546.77	4.6	2.2	0	0	0	0	0	0	0.1	-0.3	0.4	-0.4	120	40	40	120
P64	14x17	-498.29	-1528.03	3.8	1.1	0	0	0	0	0	0	0.1	-0.2	1.0	-0.4	120	40	40	120
P65	14x17	-1135.77	-1514.18	2.6	1.0	0	0	0	0	0	0	0.1	-0.2	0.7	-0.3	120	40	40	120
P66	14x17	-1337.01	-1498.85	4.5	1.5	0	0	0	0	0	0	0.1	-0.3	0.5	-0.3	120	40	40	120
P67	14x17	-758.01	-428.82	4.2	3.2	0	0	0	0	0	0	0.3	-0.4	0.4	-0.2	80	30	30	120
P68	14x17	-666.36	-163.80	1.8	1.4	0	0	0	0	0	0	0.1	-0.3	0.0	-0.3	80	30	30	120

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.



Concreto magro espessura de 5,0cm na base de todas as sapatas e laje de brita nas baldrame.

Tensão admissível do solo = 2 kgf/cm²

Peso esp. do solo = 18 kN/m³

PROJETO DE ESTRUTURAS

Prancha:
ES - 01₁₆

Área Edificação:
507,21 m²

Área terreno
-

Data:
Junho / 2024

Escala:
Indicada

Arquivo:
EST_P01_JOACABA_P0102.dwg

Proprietário:
PREFEITURA MUNICIPAL DE JOAÇABA
JOAÇABA - SC

Outra:
PISTA DE SKATE

Responsável Técnico:
Julio Cesar Rech
Engenheiro Civil
CRESC-SC 16500

Discriminação:
LOCAÇÃO DE SAPATAS

CONCORDIA
CONCORDIA ENGENHARIA E TECNOLOGIA LTDA
concordia@concordia.net.br
Rua Dep. Carlos Botelho, 172, Centro, Concordia - SC

Planta de locação
escala 1:50