

Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Mín. (tf)	Pilar				Fundação				Bloco			
						Mx Máximo (kgf.m)		My Máximo (kgf.m)		Fx Máximo (tf)		Fy Máximo (tf)		Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)
						Positivo	Negativo	Positivo	Negativo	Positivo	Negativo	Positivo	Negativo				
P1	15x40	7.50	1595.00	7.2	6.8	0	0	0	0	0.0	-1.5	0.1	-0.1	50	50	65	1
P2	15x40	522.50	1595.00	13.8	13.4	0	0	0	0	0.6	0.0	0.0	-1.3	110	50	50	65
P3	15x40	1037.50	1595.00	13.3	12.8	0	0	0	0	0.3	-0.3	0.0	-1.2	110	50	50	65
P4	15x40	1552.50	1595.00	13.6	13.1	0	0	0	0	0.0	-0.5	0.0	-1.2	110	50	50	65
P5	15x40	2067.50	1595.00	10.8	10.3	0	0	0	0	1.4	0.0	2.0	0.0	110	50	50	65
P6	15x40	7.50	980.00	6.9	6.0	0	0	0	0	0.0	-0.4	1.1	0.0	50	50	65	1
P7	15x40	522.50	980.00	11.2	10.8	0	0	0	0	0.3	-0.3	1.4	0.0	110	50	50	65
P8	15x40	1037.50	980.00	10.7	10.2	0	0	0	0	0.2	-0.3	1.6	0.0	110	50	50	65
P9	15x40	1552.50	980.00	11.3	10.8	0	0	0	0	0.2	-0.2	1.5	0.0	110	50	50	65
P10	15x40	2067.50	980.00	11.3	10.3	0	0	0	0	0.3	0.0	0.0	-2.1	110	50	50	65
P11	15x40	7.50	690.00	6.9	5.9	0	0	0	0	0.0	-0.4	0.0	-1.0	50	50	65	1
P12	15x40	522.50	690.00	11.1	10.7	0	0	0	0	0.3	-0.3	0.0	-1.5	110	50	50	65
P13	15x40	1037.50	690.00	10.6	10.1	0	0	0	0	0.2	-0.3	0.0	-1.5	110	50	50	65
P14	15x40	1552.50	690.00	11.2	10.7	0	0	0	0	0.2	-0.2	0.0	-1.6	110	50	50	65
P15	15x40	2067.50	690.00	11.2	10.3	0	0	0	0	0.3	0.0	2.0	0.0	110	50	50	65
P16	15x40	7.50	75.00	7.2	6.8	0	0	0	0	0.0	-1.5	0.2	0.0	50	50	55	1
P17	15x40	522.50	75.00	13.9	13.5	0	0	0	0	0.6	0.0	1.2	0.0	110	50	50	65
P18	15x40	1037.50	75.00	13.4	12.9	0	0	0	0	0.3	-0.3	1.3	0.0	110	50	50	65
P19	15x40	1552.50	75.00	13.7	13.2	0	0	0	0	0.0	-0.5	1.3	0.0	110	50	50	65
P20	15x40	2067.50	75.00	10.8	10.4	0	0	0	0	1.4	0.0	0.0	-2.1	110	50	50	65

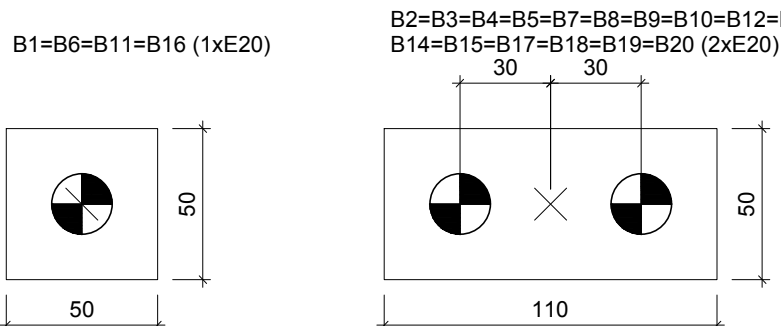
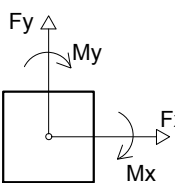
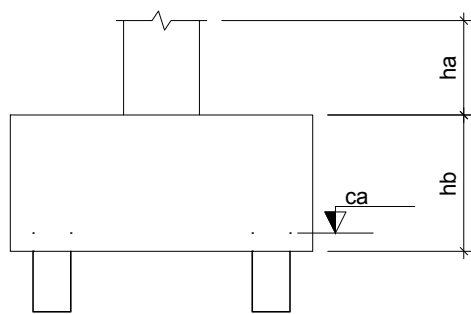
Os esforços indicados nesta tabela são os valores máximos obtidos pela envoltória de todas as combinações definidas para as fundações. Para análises complementares, deve-se consultar o relatório de esforços na fundação, que apresenta os valores calculados para cada combinação.

Localização no eixo X	
Coordenadas (cm)	Nome
7.50	P1, P6, P11, P16
522.50	P2, P7, P12, P17
1037.50	P3, P8, P13, P18
1552.50	P4, P9, P14, P19
2067.50	P5, P10, P15, P20

Localização no eixo Y	
Coordenadas (cm)	Nome
1595.00	P1, P2, P3, P4, P5
980.00	P6, P7, P8, P9, P10
690.00	P11, P12, P13, P14, P15
75.00	P16, P17, P18, P19, P20

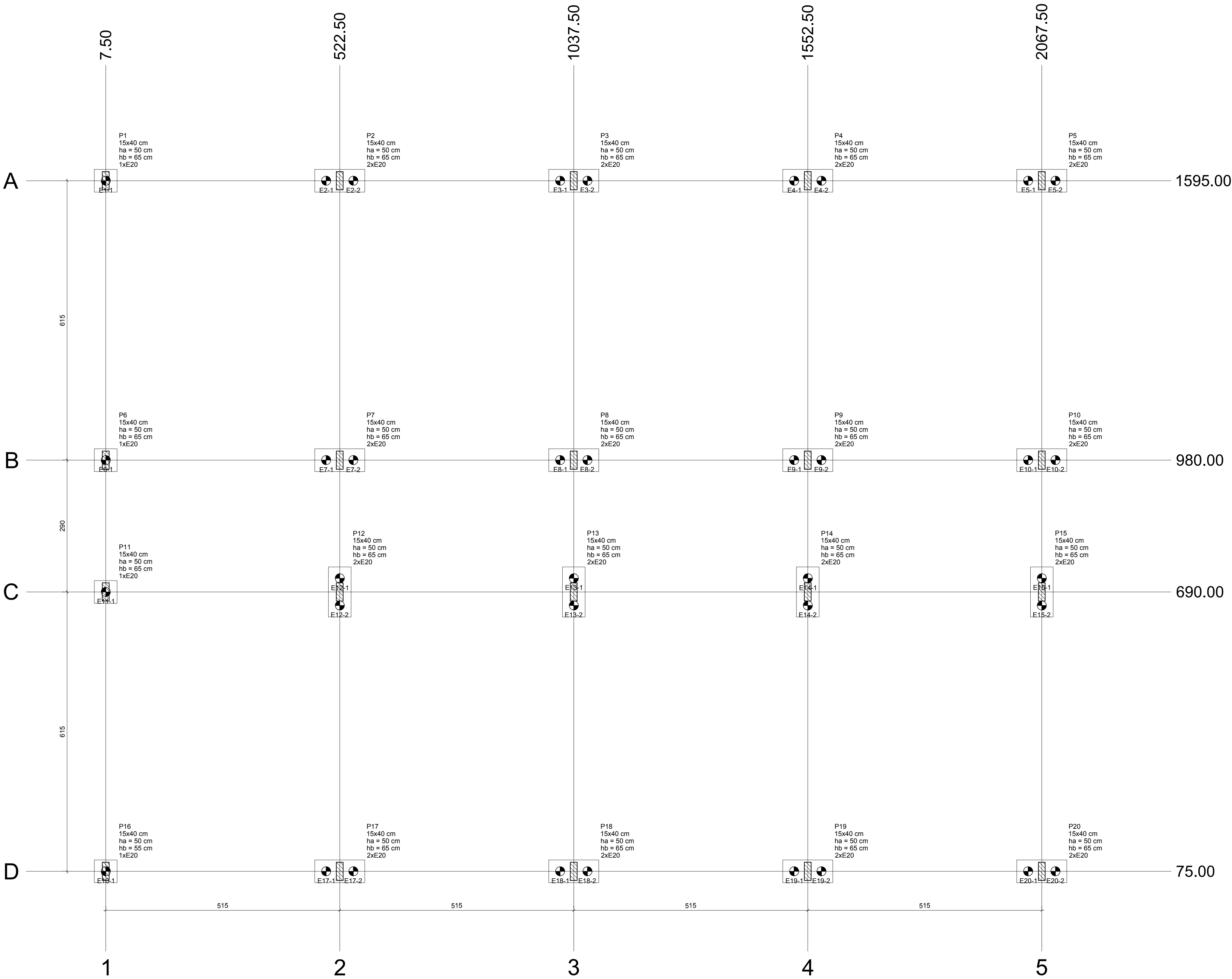
Estacas			
Simbologia	Nome	d (cm)	Quantidade
	E20	20.00	36

LOCAÇÃO DAS ESTACAS											
Bloco	Nome	Tipo	Coordenada X (cm)	Coordenada Y (cm)	Carga máx. tf	Carga mín. tf	Momento máx. kgf.m	Momento mín. kgf.m	Força horiz. máx. tf	Força horiz. mín. tf	CA (cm)
B1	E1-1	E20	7.50	1595.00	7.54	7.21	521.04	483.55	1.37	1.22	-100
B2	E2-1	E20	492.50	1595.00	7.17	6.93	223.12	152.07	0.61	0.43	-100
B3	E3-1	E20	552.50	1595.00	7.58	7.26	223.12	152.07	0.61	0.43	-100
B3	E3-2	E20	1007.50	1595.00	7.08	6.84	235.33	164.09	0.62	0.43	-100
B4	E4-1	E20	1067.50	1595.00	7.09	6.84	235.33	164.09	0.62	0.43	-100
B4	E4-2	E20	1522.50	1595.00	7.46	7.14	229.71	158.24	0.63	0.45	-100
B5	E5-1	E20	1582.50	1595.00	7.01	6.77	229.71	158.24	0.63	0.45	-100
B5	E5-2	E20	2037.50	1595.00	4.96	4.79	375.35	347.22	1.19	1.12	-100
B6	E6-1	E20	2097.50	1595.00	6.66	6.42	375.35	347.22	1.19	1.12	-100
B6	E6-2	E20	7.50	980.00	7.24	6.41	401.52	80.15	0.74	0.55	-100
B7	E7-1	E20	492.50	980.00	6.03	5.80	264.74	193.95	0.70	0.51	-100
B7	E7-2	E20	552.50	980.00	6.09	5.79	264.74	193.95	0.70	0.51	-100
B8	E8-1	E20	1007.50	980.00	5.76	5.52	285.47	214.41	0.75	0.56	-100
B8	E8-2	E20	1067.50	980.00	5.77	5.53	285.47	214.41	0.75	0.56	-100
B9	E9-1	E20	1522.50	980.00	6.11	5.80	280.19	209.02	0.74	0.55	-100
B9	E9-2	E20	1582.50	980.00	6.05	5.82	280.19	209.02	0.74	0.55	-100
B10	E10-1	E20	2037.50	980.00	5.92	5.50	373.30	189.39	0.99	0.51	-100
B10	E10-2	E20	2097.50	980.00	6.16	5.74	373.30	189.39	0.99	0.51	-100
B11	E11-1	E20	7.50	690.00	7.20	6.37	402.35	80.53	1.06	0.21	-100
B12	E12-1	E20	492.50	690.00	5.33	4.90	43.86	3.47	0.70	0.51	-100
B12	E12-2	E20	552.50	690.00	6.67	6.62	43.86	3.47	0.70	0.51	-100
B13	E13-1	E20	1037.50	690.00	4.98	4.55	36.82	0.42	0.75	0.57	-100
B13	E13-2	E20	1037.50	690.00	6.46	6.41	36.82	0.42	0.75	0.57	-100
B14	E14-1	E20	1552.50	690.00	5.29	4.86	43.40	2.82	0.74	0.55	-100
B14	E14-2	E20	1552.50	690.00	6.74	6.69	43.40	2.82	0.74	0.55	-100
B15	E15-1	E20	2067.50	690.00	6.84	6.65	49.30	22.91	0.99	0.51	-100
B15	E15-2	E20	2067.50	690.00	5.39	4.36	49.30	22.91	0.99	0.51	-100
B16	E16-1	E20	7.50	75.00	7.52	7.20	383.92	341.58	1.37	1.22	-90
B17	E17-1	E20	492.50	75.00	7.21	6.98	223.99	152.96	0.61	0.43	-100
B17	E17-2	E20	552.50	75.00	7.63	7.31	223.99	152.96	0.61	0.43	-100
B18	E18-1	E20	1007.50	75.00	7.13	6.88	236.21	164.98	0.62	0.43	-100
B18	E18-2	E20	1067.50	75.00	7.14	6.89	236.21	164.98	0.62	0.43	-100
B19	E19-1	E20	1522.50	75.00	7.50	7.19	230.58	159.12	0.63	0.45	-100
B19	E19-2	E20	1582.50	75.00	7.06	6.82	230.58	159.12	0.63	0.45	-100
B20	E20-1	E20	2037.50	75.00	4.98	4.82	375.23	347.11	1.19	1.12	-100
B20	E20-2	E20	2097.50	75.00	6.68	6.44	375.23	347.11	1.19	1.12	-100



Legenda dos blocos

escala 1:25



Planta de localização das estacas

escala 1:50

	PRÓ-REITORIA DE ADMINISTRAÇÃO COORDENAÇÃO DE ENGENHARIA E ARQUITETURA Alameda Santiago do Calva, 155 - Novo Sítio, São Bento - CEP 97050-485 - Santa Maria/RS. Telefone: (51) 3218-9819
OBRA:	AMPLIAÇÃO PRÉDIO D
LOCAL:	IF FARROUPILHA - CAMPUS SANTO AUGUSTO
PROJETO:	ESTRUTURAL
CONTEÚDO:	PLANTA DE LOCAÇÃO DAS ESTACAS
PROPRIETÁRIO:	INSTITUTO FEDERAL FARROUPILHA
RESPONSÁVEL:	ENG. CIVIL CRISTINA SILVA FELTRON
ÁREA:	359,88m²
ESCALA:	1/50
DATA:	JULHO/2019
DESENHO:	VITOR LIMA
PRANCHA:	01/12