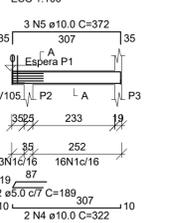
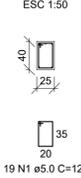


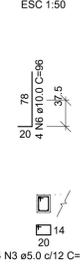
V101 (25 x 40)



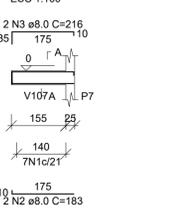
SEÇÃO A-A



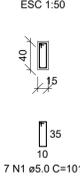
ESPERA P1



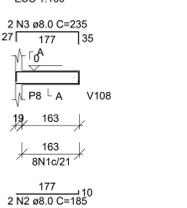
V102 (15 x 40)



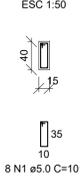
SEÇÃO A-A



V103 (15 x 40)



SEÇÃO A-A



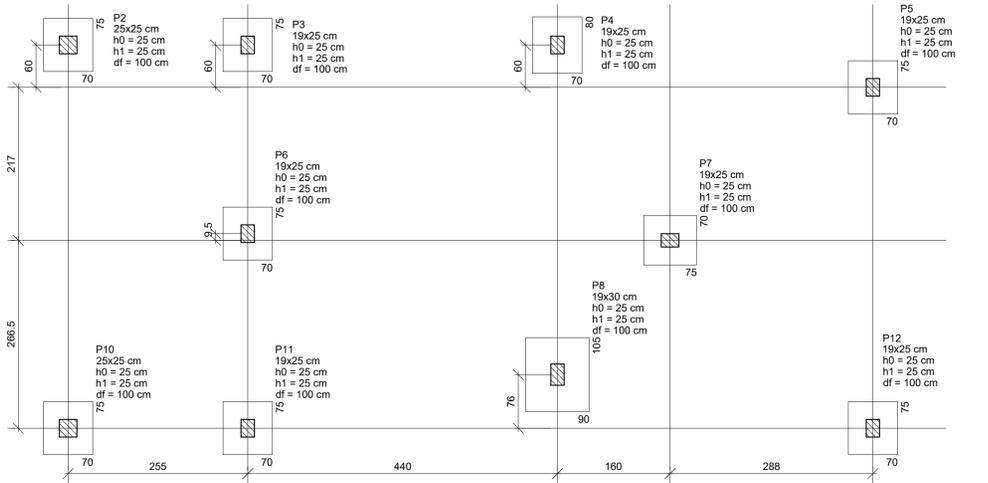
RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V101	CA60	1	5.0	19	121	2299
	CA50	2	8.0	4	189	756
	CA60	3	5.0	4	77	308
V102	CA50	4	10.0	2	322	644
	CA50	5	10.0	3	372	1116
	CA50	6	10.0	4	96	384
V103	CA60	1	5.0	7	101	707
	CA50	2	8.0	2	183	366
	CA50	3	8.0	2	216	432
V104	CA60	1	5.0	8	101	808
	CA50	2	8.0	2	185	370
	CA50	3	8.0	2	235	470
V105	CA60	1	5.0	72	121	8712
	CA60	2	5.0	4	189	756
	CA60	3	5.0	4	77	308
V106	CA50	4	10.0	2	1083	2166
	CA50	5	10.0	2	191	382
	CA50	6	10.0	1	148	296
V107	CA50	7	10.0	2	1198	2396
	CA50	8	10.0	2	225	450
	CA50	9	10.0	4	96	384
V108	CA60	1	5.0	25	101	2525
	CA50	2	8.0	2	564	1128
	CA50	3	8.0	2	614	1228
V109	CA60	1	5.0	27	101	2727
	CA60	2	8.0	2	619	1238
	CA50	3	8.0	2	660	1320
V110	CA60	1	5.0	32	101	3232
	CA50	2	8.0	2	627	1254
	CA50	3	10.0	1	219	438
V111	CA50	4	10.0	2	684	1368
	CA60	1	5.0	12	101	1212
	CA50	2	8.0	2	284	568
V112	CA50	3	8.0	2	334	668
	CA60	1	5.0	28	101	2828
	CA50	2	8.0	2	624	1248
V113	CA50	3	10.0	2	687	1374

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	8.0	102.9	10	44.7
CA60	10.0	108.5	10	73.6
CA60	5.0	271.8	-	46.1
PESO TOTAL (kg)				
CA50				118.3
CA60				46.1

Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (kgf)	Carga Mín. (kgf)	Pilar		My Máximo (kgf.m)		Fx Máximo (kgf)		Fy Máximo (kgf)		Fundação				
						Mx Positivo	Mx Negativo	Positivo	Negativo	Positivo	Negativo	Positivo	Negativo	Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)	df (cm)
P2	25x25	72.50	5921.50	4900	4400	0	0	0	0	300	0	-200	0	70	75	25	25	100
P3	19x25	327.50	5921.50	5300	4700	0	0	0	0	0	-400	100	0	70	75	25	25	100
P4	19x25	767.50	5921.50	8900	8100	0	0	0	0	100	0	100	0	70	80	25	25	100
P5	19x25	1215.50	5861.50	8000	7400	0	0	0	0	0	0	300	0	70	75	25	25	100
P6	19x25	327.50	5654.00	7500	6900	0	0	0	0	100	0	-300	0	70	75	25	25	100
P7	19x25	927.50	5644.00	5300	4500	0	0	0	0	400	0	300	0	70	75	25	25	100
P8	19x30	767.50	5454.00	15500	14000	0	0	0	0	0	-600	600	0	90	105	25	25	100
P10	25x25	72.50	5378.00	5500	4800	0	0	0	0	400	0	100	0	70	75	25	25	100
P11	19x25	327.50	5378.00	7500	6900	0	0	0	0	0	-500	0	-200	70	75	25	25	100
P12	19x25	1215.50	5378.00	7600	7000	0	0	0	0	600	0	0	-600	70	75	25	25	100

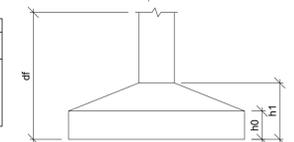


Planta de locação

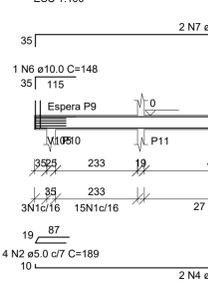
escala 1:50

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.

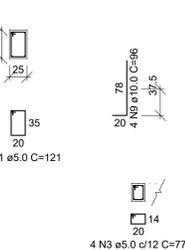
Localção no eixo Y		Localção no eixo X	
Coordenadas (cm)	Nome	Coordenadas (cm)	Nome
5921.50	P2, P3, P4	72.50	P2, P10
5861.50	P5	327.50	P3, P6, P11
5654.00	P6	767.50	P4, P6
5644.00	P7	927.50	P7
5378.00	P8, P10, P11, P12	1215.50	P5, P12



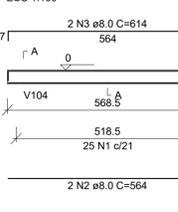
V104 (25 x 40)



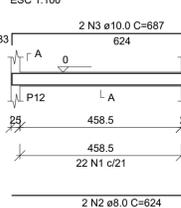
V105 (15 x 40)



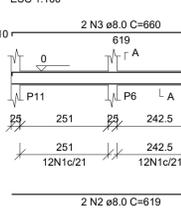
V106 (15 x 40)



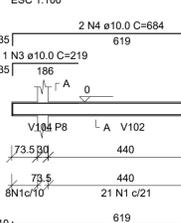
V109 (15 x 40)



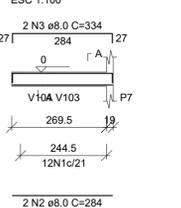
V107 (15 x 40)



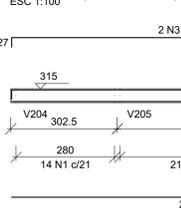
V108 (15 x 40)



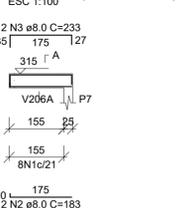
V110 (15 x 40)



V201 (15 x 40)



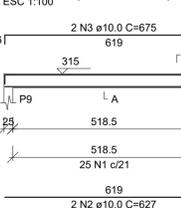
V202 (15 x 40)



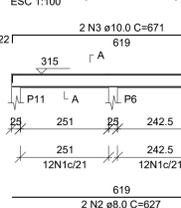
V203 (15 x 40)



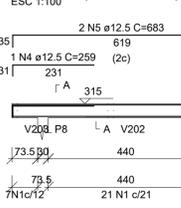
V204 (15 x 40)



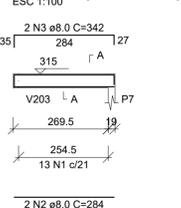
V205 (15 x 40)



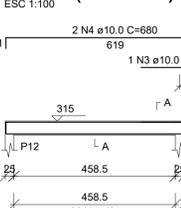
V206 (15 x 40)



V207 (15 x 40)



V208 (15 x 40)



RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V201	CA60	1	5.0	56	101	5656
	CA50	2	8.0	2	1195	2390
	CA50	3	8.0	2	1100	2200
V202	CA50	4	8.0	2	198	396
	CA60	1	5.0	8	101	808
	CA50	2	8.0	2	183	366
V203	CA50	3	8.0	2	233	466
	CA60	1	5.0	56	101	5656
	CA50	2	8.0	1	155	155
V204	CA50	3	8.0	2	1100	2200
	CA50	4	8.0	2	198	396
	CA50	5	10.0	2	1195	2390
V205	CA60	1	5.0	28	101	2828
	CA50	2	10.0	2	627	1254
	CA50	3	10.0	2	675	1350
V206	CA60	1	5.0	27	101	2727
	CA50	2	8.0	2	627	1254
	CA50	3	10.0	2	671	1342
V207	CA60	1	5.0	31	101	3131
	CA50	2	10.0	1	283	283
	CA50	3	10.0	2	634	1268
V208	CA50	4	12.5	1	259	259
	CA50	5	12.5	2	683	1366
	CA60	1	5.0	13	101	1313
V209	CA50	2	8.0	2	284	568
	CA50	3	8.0	2	342	684
	CA60	1	5.0	28	101	2828
V210	CA50	2	10.0	2	627	1254
	CA50	3	10.0	1	170	170
	CA50	4	10.0	2	680	1360

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	8.0	110.8	11	48.1
CA50	10.0	106.7	10	72.4
CA50	12.5	16.3	2	17.2
CA60	5.0	249.5	-	42.3
PESO TOTAL (kg)				
CA50				137.7
CA60				42.3

PREFEITURA MUNICIPAL DE PASSA SETE - RS

CONCLUSÃO DO GINÁSIO DO PINHÃO

ENDEREÇO: Localidade de Taipinha - Município de Passa Sete/RS;

PROPRIETÁRIO: Município de Passa Sete - Prefeitura Municipal de Passa Sete;

RESPONSÁVEL TOMADOR: Prefeito Municipal Bertino Rech;

RESPONSÁVEL TÉCNICO (PROJETO): Eng.ª Marlusa de Souza;

Proprietário / Tomador. Bertino Rech- Prefeito Municipal

Responsavel Técnico (Projeto)- Marlusa de Souza CREA/RS: 240811

INST.

PROJETO ESTRUTURAL DA COPA, BANHEIRO E VESTIÁRIO FEMININO

02

DATA: OUTUBRO/ 2019 ESCALA: INDICADAS DESENHO: ENGº ROBERTO SETTI ÁREA EXISTENTE: 2132,66m² ÁREA REFORMA: 454,45m²