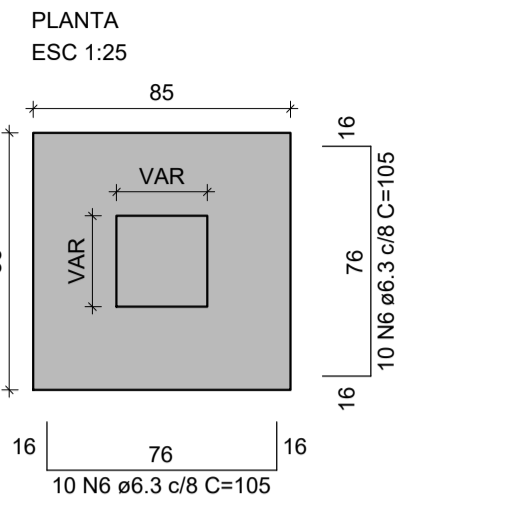
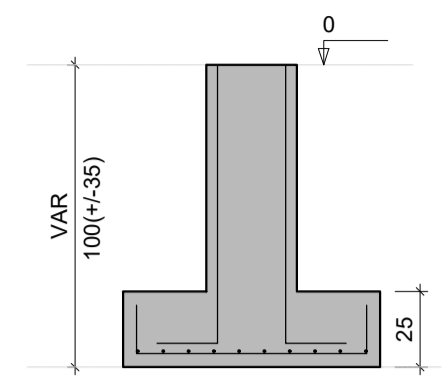


S11=S20=S34

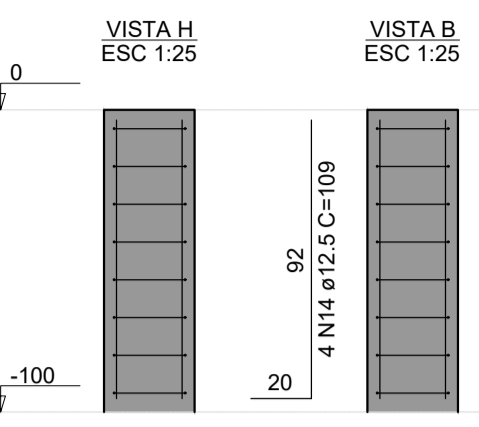
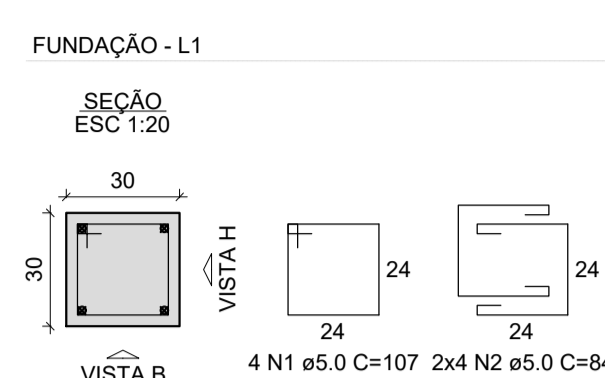


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

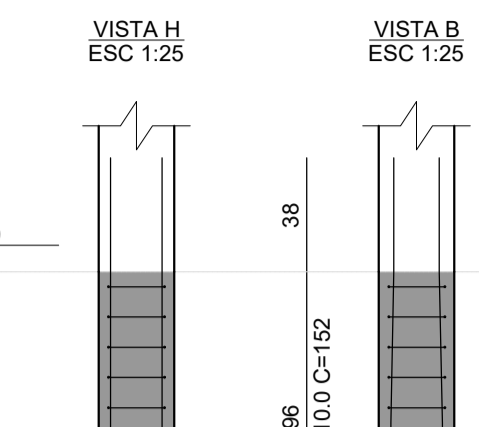
CORTE
ESC 1:25



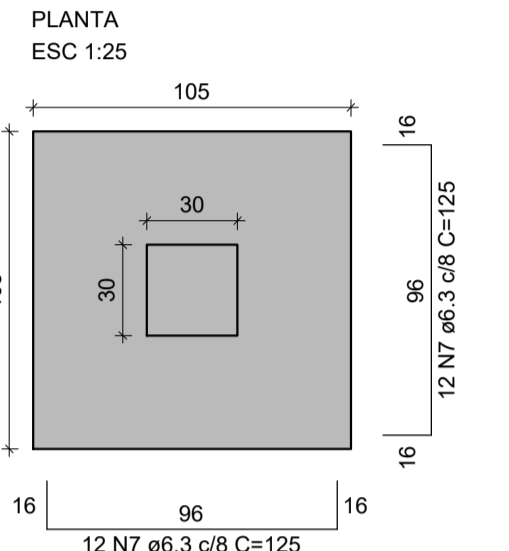
P11=P20



P34

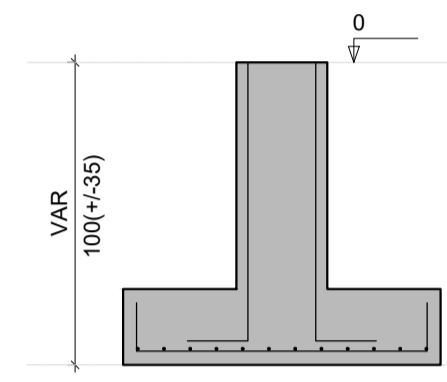


S13=S19

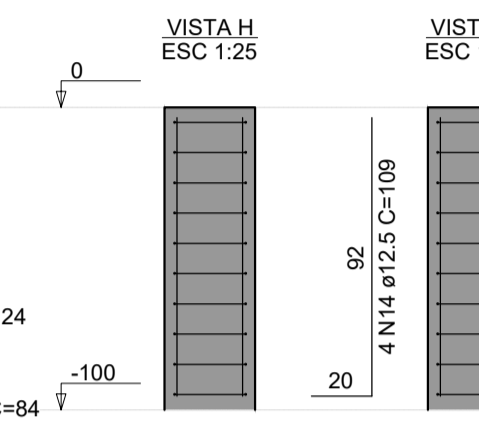
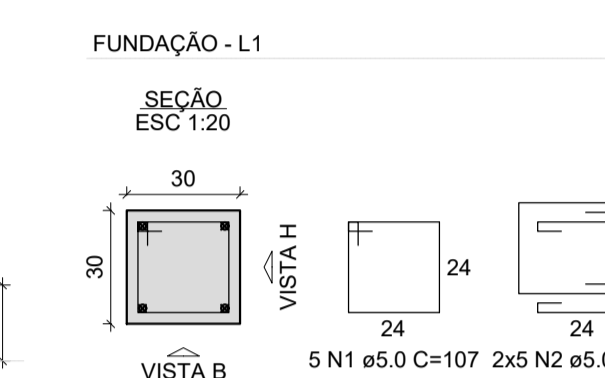


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

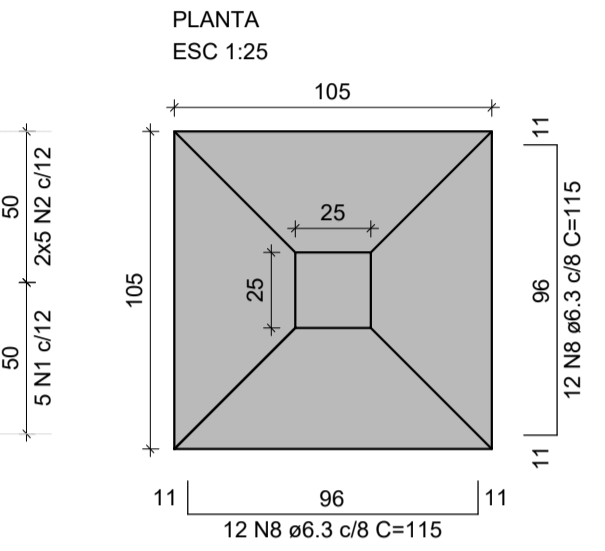
CORTE
ESC 1:25



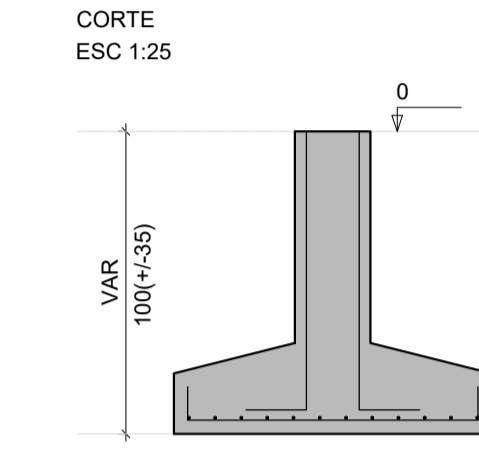
P13=P19



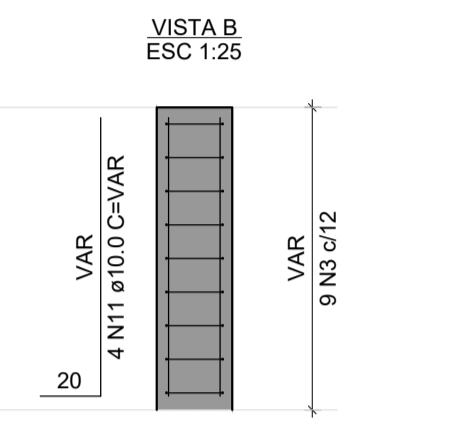
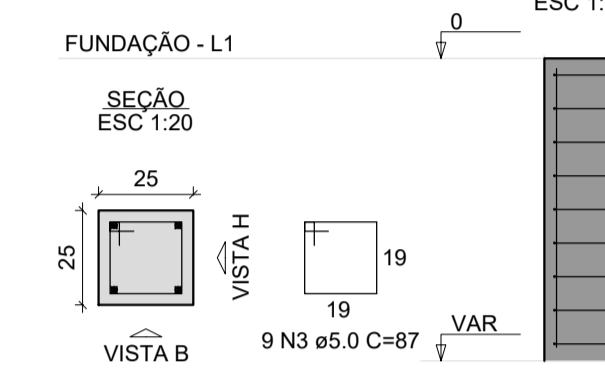
S15



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



P15



RELAÇÃO DO AÇO

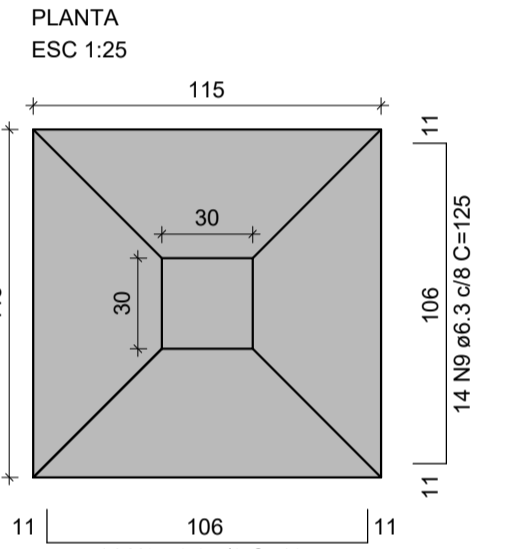
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
2xP11	2	5.0	23	107	2461
P18	3	5.0	46	84	3864
P34	4	5.0	38	87	3306
S15	5	5.0	20	39	780
2xS13	6	5.0	58	69	4002
2xS31	7	6.3	80	105	6300
	8	6.3	48	125	6000
	9	6.3	28	115	2760
	10	8.0	28	125	3500
	11	8.0	56	134	8040
	12	10.0	28	VAR	VAR
	13	10.0	12	152	1824
	14	12.5	56	193	10808
	15	12.5	16	109	1744
			4	160	640

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	185.6	50
	8.0	80.4	34.9
	10.0	157.1	106.6
	12.5	23.8	25.3
	5.0	144.1	24.4
PESO TOTAL (kg)			
CA50		216.7	
CA60		24.4	

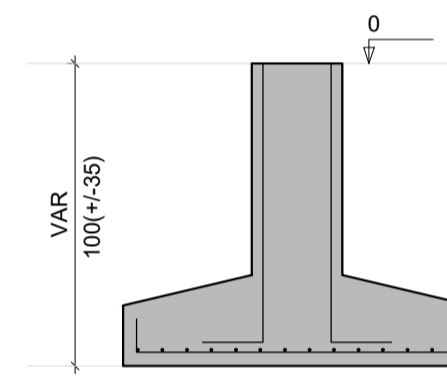
Volume de concreto (C-25) = 6.09 m³
Área de forma = 25.37 m²

S18

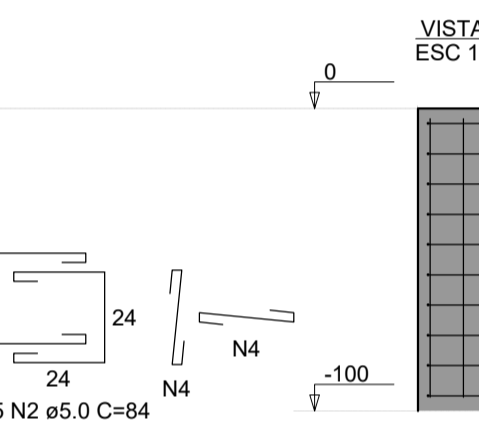
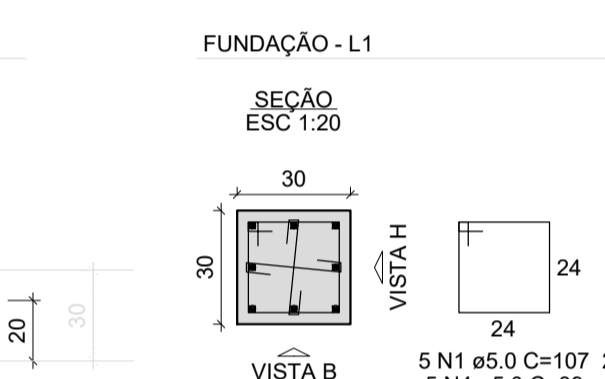


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

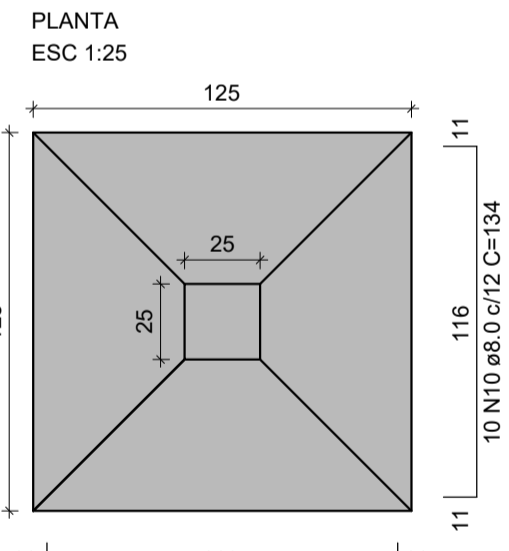
CORTE
ESC 1:25



P18

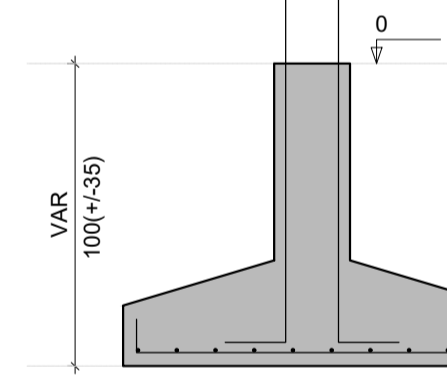


S25=S32=S35

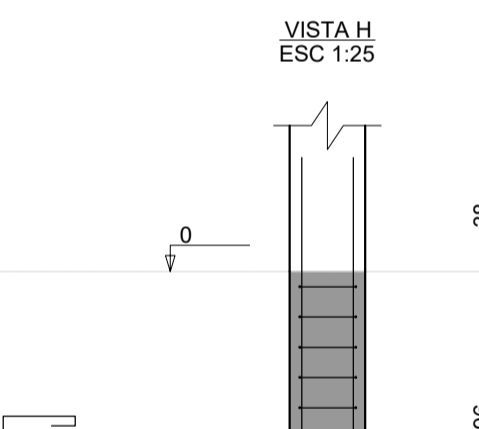
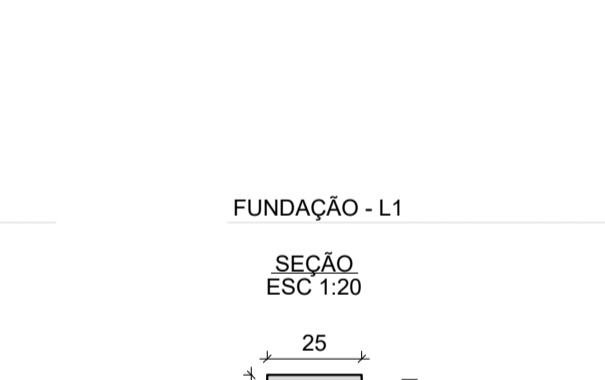


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

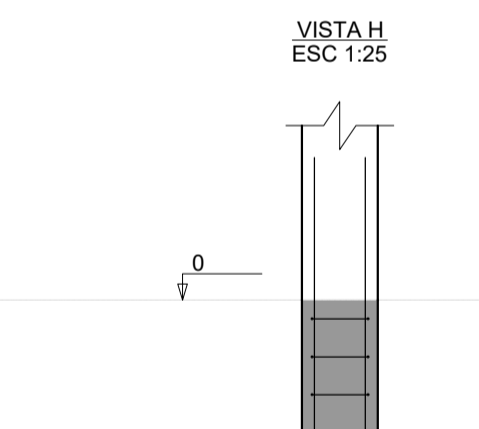
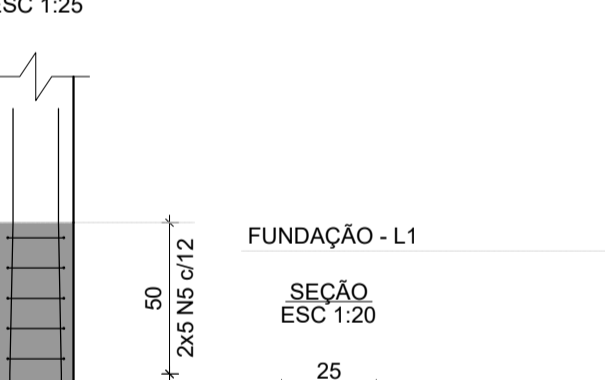
CORTE
ESC 1:25



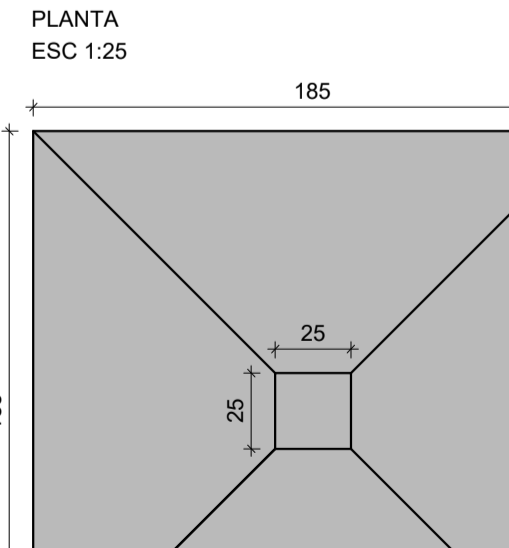
P25=P32



P35

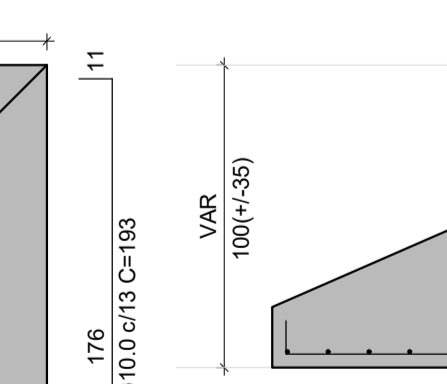


S26=S31

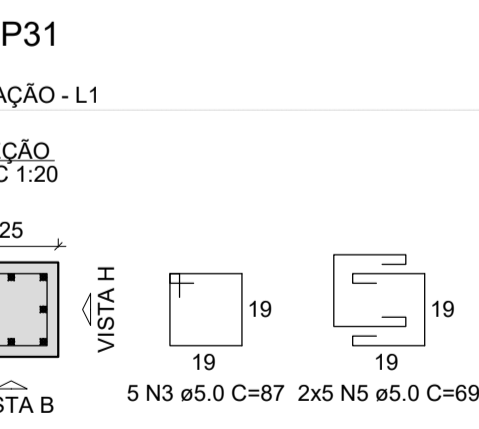
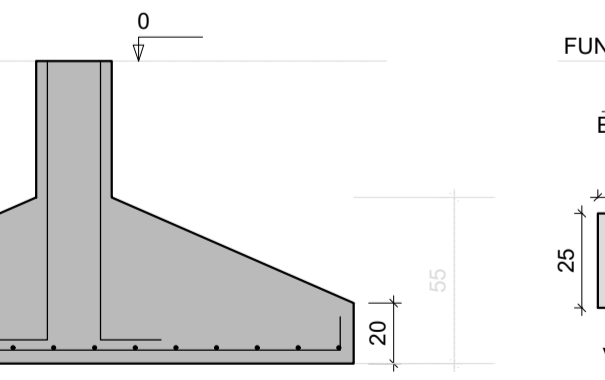


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



P26=P31



Revisão	Data	Discriminação
00	08 de março de 2019	Emissão de Projeto Estrutural

PROJETO ESTRUTURAL

Endereço	Projeto
Rua de Acesso ao Ginásio de Esporte Penha - Paulo Lopes - Santa Catarina	

Proprietário	Resp. Técnico

Prefeitura Municipal de Paulo Lopes
CNPJ: 82.892.365/0001-32

Vitor Mateus Macuglia
CREA/SC: 152568-6

Conteúdo
DETALHAMENTO DE SAPATAS:
S11, S13, S15, S18, S19, S20, S25, S26, S31, S32, S34 e S35

Equipe Técnica
Vitor M. Macuglia
Engenheiro Civil - CREA/SC
e-mail: vmacuglia@gmail.com
fone: (48) 99603-1782

Arquivo
Ginasio_PL_2019_01

Prancha
06/14

Escala
Indicada

ART

