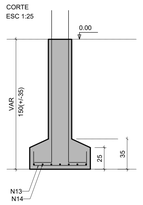
S1=S11=S35

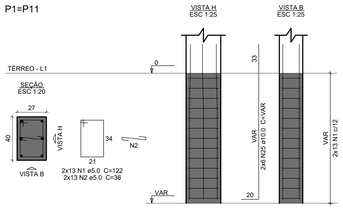
PLANTA
ESC 1:25

Solo com capacidade de suporte > 4.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

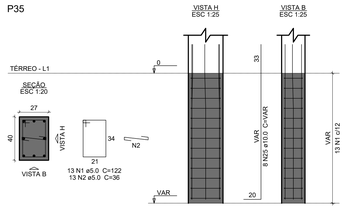
CORTE
ESC 1:25



P1=P11



P35

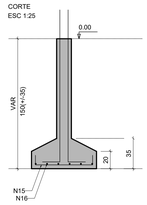


S2=S4=S6=S8=S10

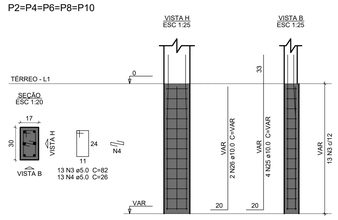
PLANTA
ESC 1:25

Solo com capacidade de suporte > 4.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



P2=P4=P6=P8=P10



Relação do aço

S1	4x53	5x510	
2x512	5x513	2x514	
2x516	523	4x524	
S26			

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	49	122	5978
	2	5.0	39	36	1404
	3	5.0	85	82	6970
	4	5.0	65	26	1690
	5	5.0	164	98	16072
	6	5.0	104	24	2496
	7	5.0	28	128	3584
	8	5.0	65	108	7020
	9	5.0	65	29	1885
	10	5.0	110	24	2640
	11	5.0	20	26	520
	12	5.0	10	80	800
CA50	13	8.0	24	89	2136
	14	8.0	21	104	2184
	15	8.0	80	84	6720
	16	8.0	30	94	2820
	17	8.0	59	109	6431
	18	8.0	50	89	4450
	19	8.0	56	114	6384
	20	8.0	46	139	6394
	21	8.0	48	104	4992
	22	8.0	32	129	4128
	23	8.0	55	109	5995
	24	8.0	40	119	4760
	25	10.0	88	VAR	VAR
	26	10.0	40	VAR	VAR
	27	10.0	20	143	2860
	28	10.0	18	153	2754
	29	10.0	8	108	864
	30	10.0	7	118	826
	31	12.5	46	VAR	VAR
	32	12.5	28	VAR	VAR
	33	16.0	12	107	1284
	34	16.0	8	VAR	VAR

Resumo do aço

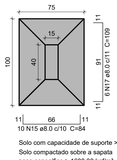
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	574	226.5
	10.0	310.4	191.4
	12.5	138.9	133.7
	16.0	30.1	47.4
CA60	5.0	510.6	78.7

PESO TOTAL (kg)	
CA50	599
CA60	78.7

Volume de concreto (C-30) = 11 m³
Área de forma = 84.7 m²

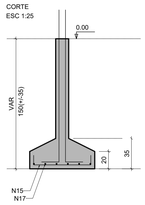
S3=S5=S7=S9

PLANTA
ESC 1:25

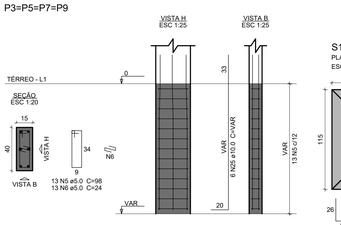


Solo com capacidade de suporte > 4.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

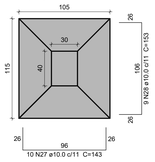


P3=P5=P7=P9



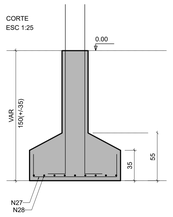
S12=S22

PLANTA
ESC 1:25

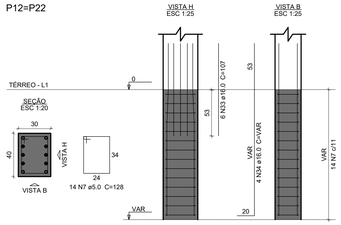


Solo com capacidade de suporte > 4.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

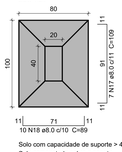


P12=P22



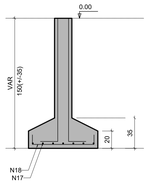
S13=S15=S17=S19=S21

PLANTA
ESC 1:25

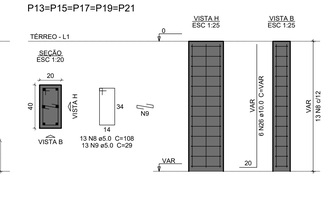


Solo com capacidade de suporte > 4.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

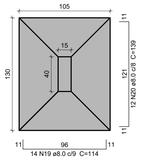


P13=P15=P17=P19=P21



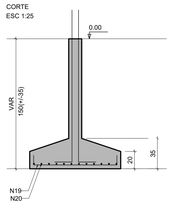
S14=S20

PLANTA
ESC 1:25

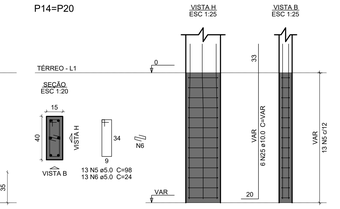


Solo com capacidade de suporte > 4.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

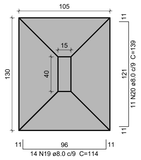


P14=P20



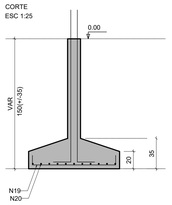
S16=S18

PLANTA
ESC 1:25

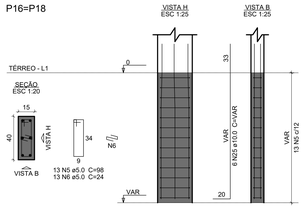


Solo com capacidade de suporte > 4.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

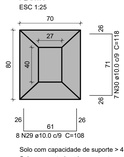


P16=P18



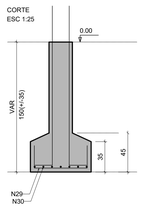
S23

PLANTA
ESC 1:25

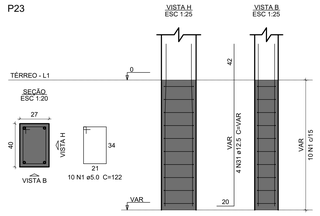


Solo com capacidade de suporte > 4.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

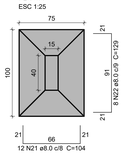


P23



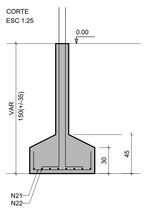
S24=S27=S31=S33

PLANTA
ESC 1:25

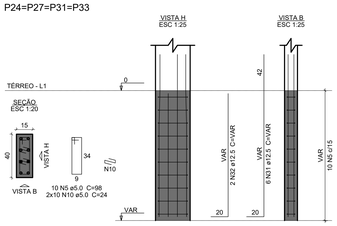


Solo com capacidade de suporte > 4.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

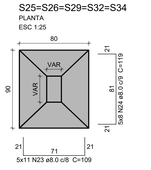


P24=P27=P31=P33



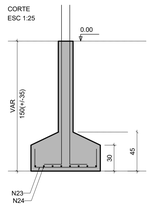
S25=S26=S29=S32=S34

PLANTA
ESC 1:25

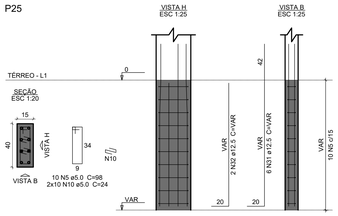


Solo com capacidade de suporte > 4.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

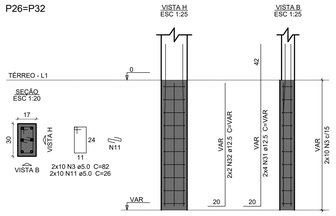
CORTE
ESC 1:25



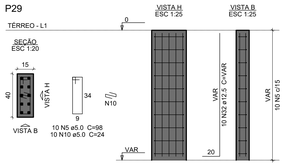
P25



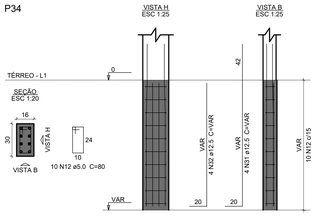
P26=P32



P29



P34



USAR ESPESSURAS ABAIXO EM PRETO

TIP	TAM	ESP
0	0.1	0.1
0	0.2	0.2
0	0.3	0.3
0	0.4	0.4
0	0.5	0.5
0	0.6	0.6
0	0.7	0.7
0	0.8	0.8
0	0.9	0.9
0	1.0	1.0

USAR ESPESSURAS ABAIXO EM CINZA

0	0.1	0.1
0	0.2	0.2
0	0.3	0.3
0	0.4	0.4
0	0.5	0.5
0	0.6	0.6
0	0.7	0.7
0	0.8	0.8
0	0.9	0.9
0	1.0	1.0

USAR ESPESSURAS ABAIXO EM CINZA

0	0.1	0.1
0	0.2	0.2
0	0.3	0.3
0	0.4	0.4
0	0.5	0.5
0	0.6	0.6
0	0.7	0.7
0	0.8	0.8
0	0.9	0.9
0	1.0	1.0

PLOTAR: 1/1

REVISÃO	DESCRIÇÃO:	RESPONSÁVEL:	APROVAÇÃO:	DATA:

INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA
RIO GRANDE DO SUL

CAMPUS ROLANTE
RS 239
ESTRADA TAQUARA ROLANTE
ROLANTE/RS

ASSUNTO: PROJETO ESTRUTURAL

OBRA: BLOCO SALAS DE AULA

CONTEÚDO: FUNDAÇÃO

PROJETO:
MICHEL LIMA LEVIEN
ENG. CIVIL - CREA 202818 RS

EXECUÇÃO:

PROPRIETÁRIO:

ARQUIVO: ESTRUTURAL BLOCO SALAS DE AULA ROLANTE

ESCALA: INDICADA

ÁREA CONSTRUÍDA: 339,82 m²

DESENHO: MICHEL

DATA: 14/07/2023

PRANCHA: 02/11

INSTITUTO FEDERAL DO RIO GRANDE DO SUL - dpo@ifrs.edu.br

FORMATO A0