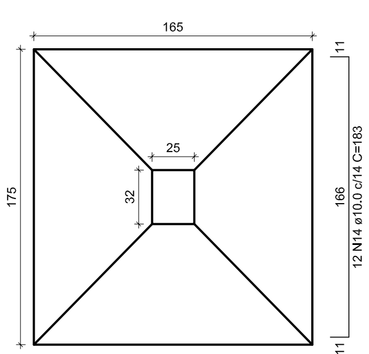
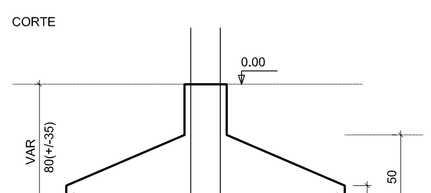
PRODUCED BY AN AUTODESK STUDENT VERSION

S1=S2=S3=S4=S5=S6=S7=S8

PLANTA



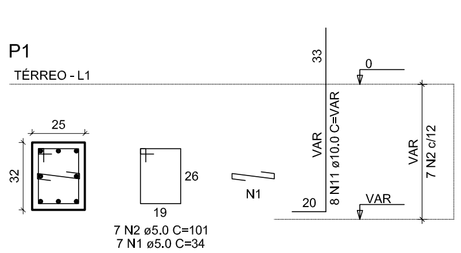
CORTE



Solo com capacidade de suporte > 1000,00 kN/m²
Solo compactado sobre a sapata
peso específico > 20.00 kN/m³

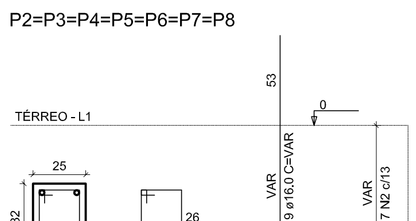
P1

TÉRREO - L1



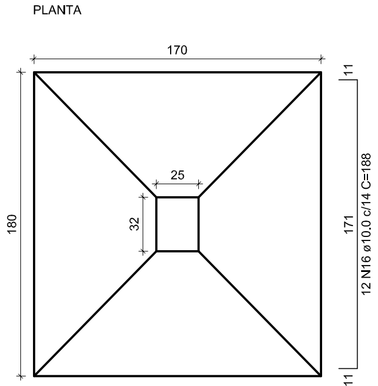
P2=P3=P4=P5=P6=P7=P8

TÉRREO - L1

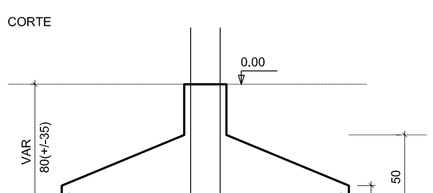


S9

PLANTA



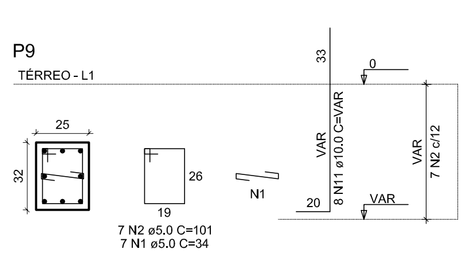
CORTE



Solo com capacidade de suporte > 1000,00 kN/m²
Solo compactado sobre a sapata
peso específico > 20.00 kN/m³

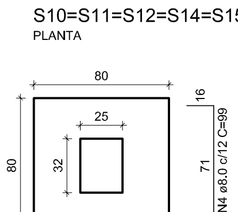
P9

TÉRREO - L1

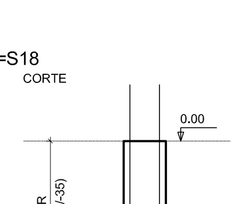


S10=S11=S12=S14=S15=S16=S17=S18

PLANTA



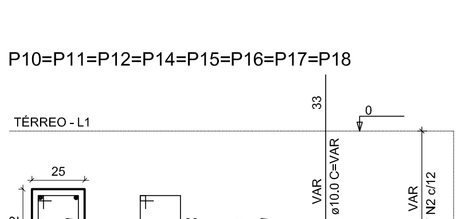
CORTE



Solo com capacidade de suporte > 1000,00 kN/m²
Solo compactado sobre a sapata
peso específico > 20.00 kN/m³

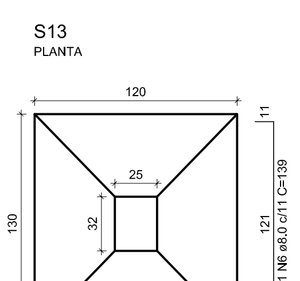
P10=P11=P12=P14=P15=P16=P17=P18

TÉRREO - L1

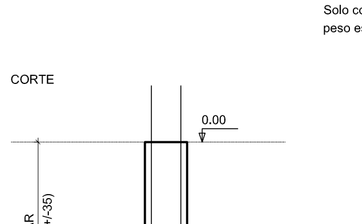


S13

PLANTA



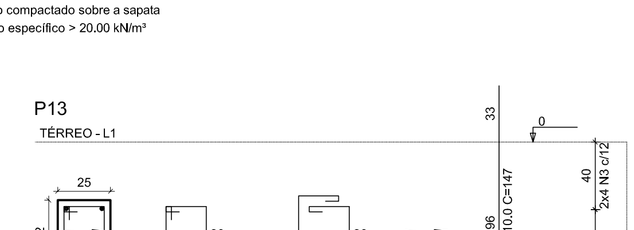
CORTE



Solo com capacidade de suporte > 1000.00 kN/m²
Solo compactado sobre a sapata
peso específico > 20.00 kN/m³

P13

TÉRREO - L1



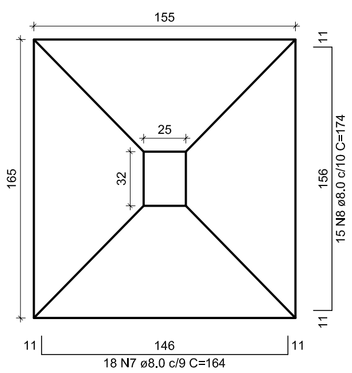
RELAÇÃO DO AÇO

P1	7xP2	P9
8xP10	P13	P19
3xP20	4xP23	P27
8xS1	S9	8xS10
S13	S19	3xS22
4xS23	S27	

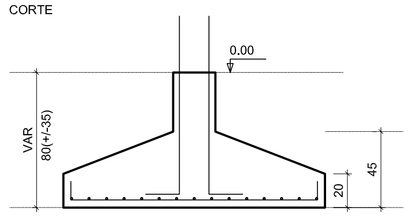
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	142	34	4828
	2	5.0	181	101	18281
	3	5.0	20	76	1520
CA50	4	8.0	96	99	9504
	5	8.0	11	129	1419
	6	8.0	103	139	14317
	7	8.0	18	164	2952
	8	8.0	15	174	2610
	9	8.0	33	144	4752
	10	8.0	52	149	7748
	11	10.0	174	VAR	VAR
	12	10.0	6	147	882
	13	10.0	96	173	16608
	14	10.0	96	183	17568
	15	10.0	13	178	2314
	16	10.0	12	188	2256
	17	10.0	16	203	3248
	18	10.0	16	208	3328
	19	16.0	28	VAR	VAR

S19

PLANTA



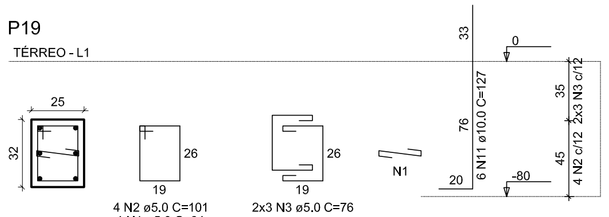
CORTE



Solo com capacidade de suporte > 1000.00 kN/m²
Solo compactado sobre a sapata
peso específico > 20.00 kN/m³

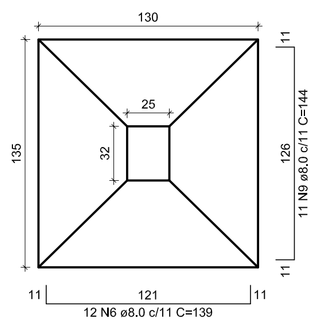
P19

TÉRREO - L1

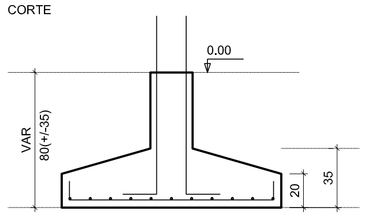


S20=S21=S22

PLANTA



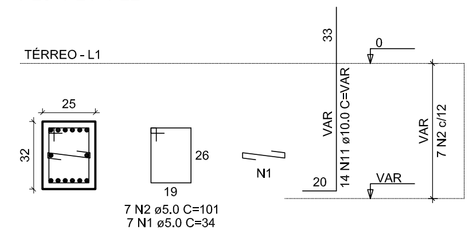
CORTE



Solo com capacidade de suporte > 1000.00 kN/m²
Solo compactado sobre a sapata
peso específico > 20.00 kN/m³

P20=P21=P22

TÉRREO - L1



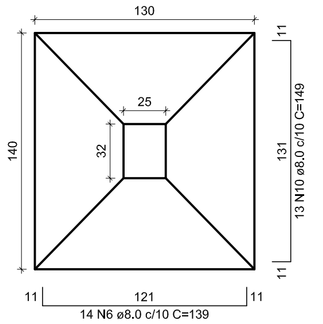
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	433	187.9
	10.0	683	463.2
	16.0	40.6	70.5
CA60	5.0	246.3	41.8
PESO TOTAL (kg)			
CA50	721.7		
CA60	41.8		

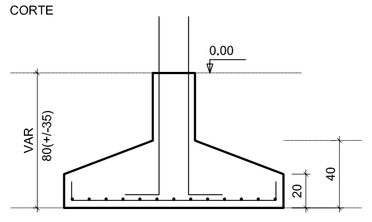
Volume de concreto (C-30) = 17.39 m³
Área de forma = 54.89 m²

S23=S24=S25=S26

PLANTA



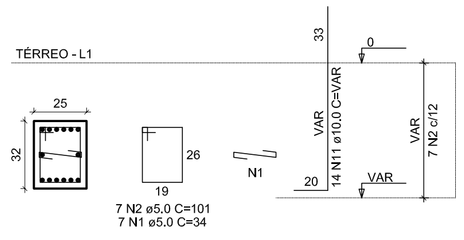
CORTE



Solo com capacidade de suporte > 1000,00 kN/m²
Solo compactado sobre a sapata
peso específico > 20.00 kN/m³

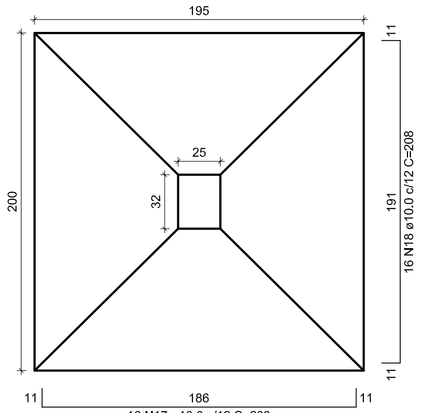
P23=P24=P25=P26

TÉRREO - L1

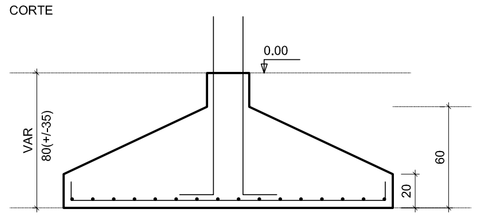


S27

PLANTA



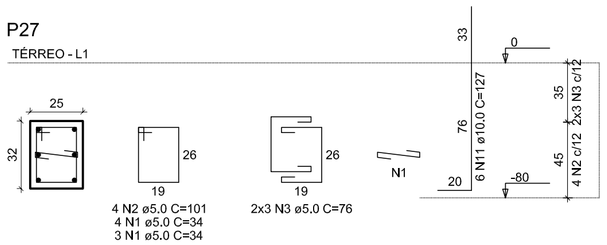
CORTE



Solo com capacidade de suporte > 1000.00 kN/m²
Solo compactado sobre a sapata
peso específico > 20.00 kN/m³

P27

TÉRREO - L1



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: GALPÃO E CENTRO DE MANEJO
CONTEÚDO: SAPATAS

PROJETO:
MICHEL LIMA LEVIEN
Engenheiro Civil - CREA 202818
EXECUÇÃO:
PROPRIETÁRIO:
INSTITUTO FEDERAL DO RIO GRANDE DO SUL - dpo@ifrs.edu.br

ARQUIVO:
ESCALA: SEM ESCALA
ÁREA CONSTRUÍDA:
DESENHO: TAYNE
PRANCHA: 02
DATA: JAN/21

FORMATO A1

USAR ESPESSURAS ABAIXO EM PRETO

Cor des.	Esp. (mm)	Cor des.
1	GL1	GZ1
2	GL4	GZ2
3	GL3	GZ3
4	GL4	GZ4
5	GL5	GZ5
6	GL6	GZ6
7	GL2	GZ7
8	GL1	GZ8
9	GL1	GZ9

USAR ESPESSURAS ABAIXO EM CORES

10	GL15	G01
22	GL15	G02
50	GL15	G03
74	GL15	G04
90	GL15	G05
130	GL15	G06
170	GL15	G07
200	GL15	G08

USAR ESPESSURAS ABAIXO EM CINZA

250	GL15	G09
251	GL15	G10
252	GL15	G11
253	GL15	G12
254	GL15	G13
255	GL15	G14

PLOTAR: 1/1

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