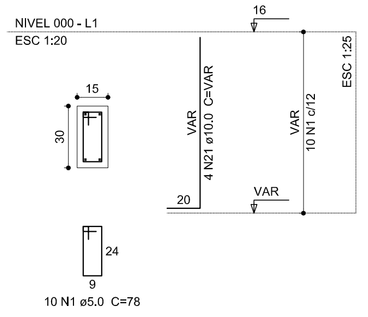
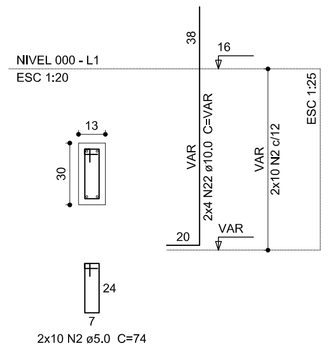
P14



10 N1 ø5.0 C=78

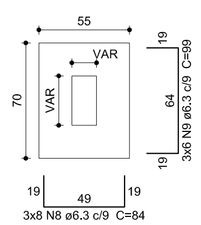
P4=P5



2x10 N2 ø5.0 C=74

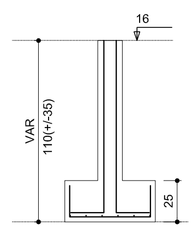
S4=S5=S14

PLANTA
ESC 1:25



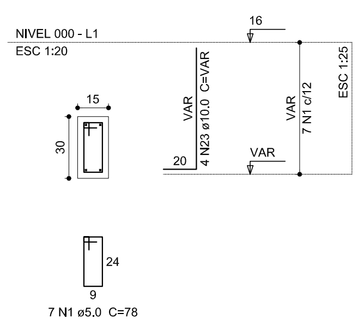
3x8 N8 ø6.3 c/9 C=84

CORTE
ESC 1:25



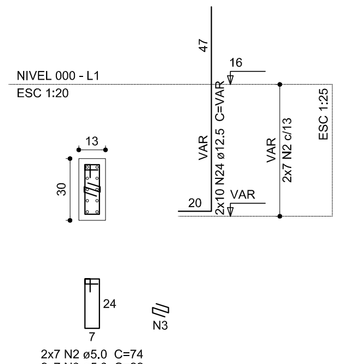
Solo compactado sobre a sapata
peso especifico > 1600,00 kgf/m³

P13



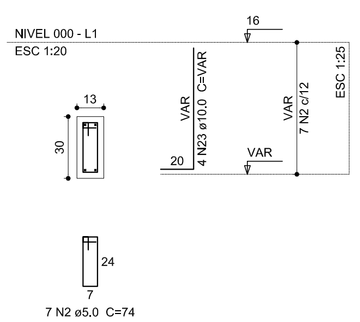
7 N1 ø5.0 C=78

P19=P21



2x7 N2 ø5.0 C=74
2x7 N3 ø5.0 C=22

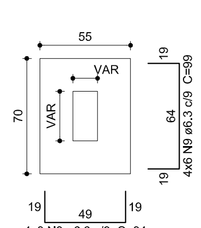
P20



7 N2 ø5.0 C=74

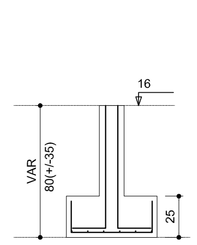
S13=S19=S20=S21

PLANTA
ESC 1:25



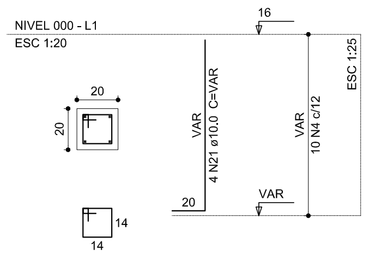
4x8 N8 ø6.3 c/9 C=84

CORTE
ESC 1:25



Solo compactado sobre a sapata
peso especifico > 1600,00 kgf/m³

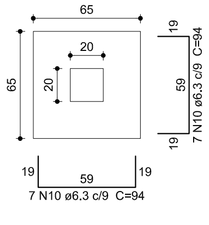
P22=P25



10 N4 ø5.0 C=68

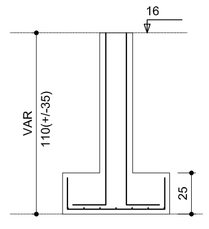
S22=S25

PLANTA
ESC 1:25



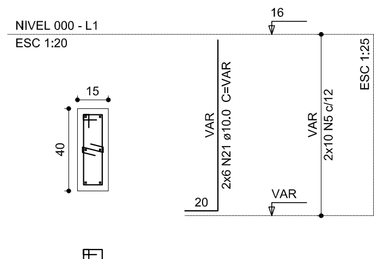
7 N10 ø6.3 c/9 C=94

CORTE
ESC 1:25



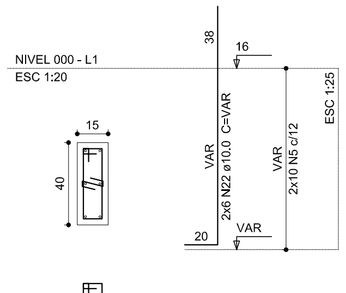
Solo compactado sobre a sapata
peso especifico > 1600,00 kgf/m³

P23=P24



2x10 N5 ø5.0 C=98
2x10 N6 ø5.0 C=24

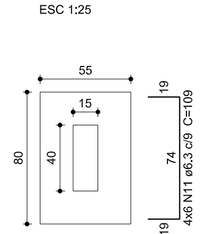
P3=P6



2x10 N5 ø5.0 C=98
2x10 N6 ø5.0 C=24

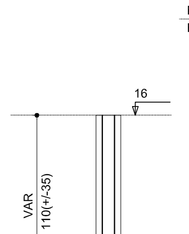
S3=S6=S23=S24

PLANTA
ESC 1:25



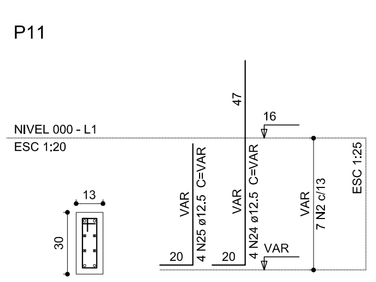
4x9 N8 ø6.3 c/9 C=84

CORTE
ESC 1:25



Solo compactado sobre a sapata
peso especifico > 1600,00 kgf/m³

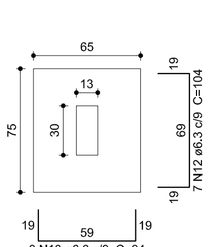
P11



7 N2 ø5.0 C=74

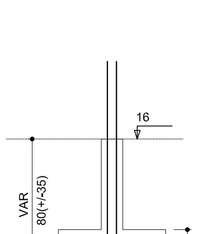
S11

PLANTA
ESC 1:25



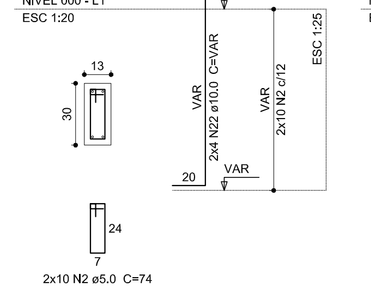
8 N10 ø6.3 c/9 C=94

CORTE
ESC 1:25



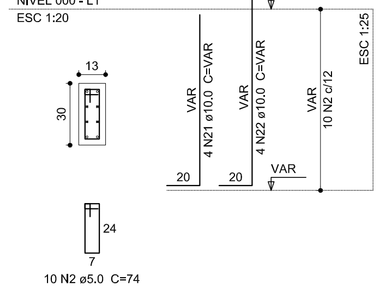
Solo compactado sobre a sapata
peso especifico > 1600,00 kgf/m³

P1=P2



2x10 N2 ø5.0 C=74

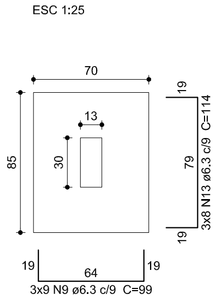
P16



10 N2 ø5.0 C=74

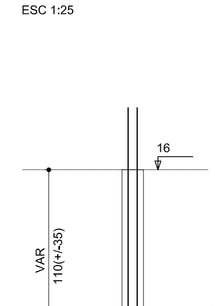
S1=S2=S16

PLANTA
ESC 1:25



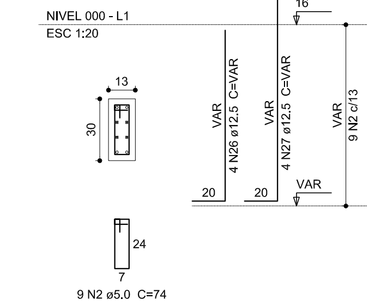
3x9 N9 ø6.3 c/9 C=99

CORTE
ESC 1:25



Solo compactado sobre a sapata
peso especifico > 1600,00 kgf/m³

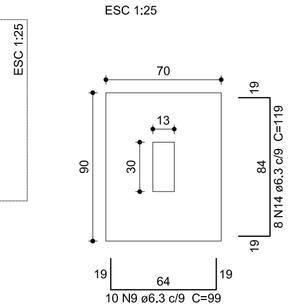
P17



9 N2 ø5.0 C=74

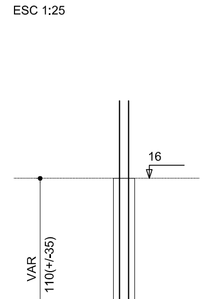
S17

PLANTA
ESC 1:25



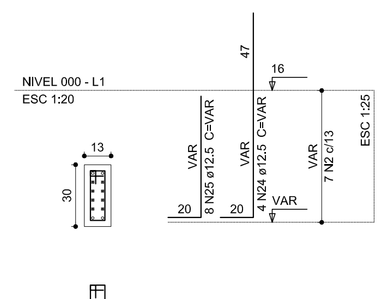
10 N9 ø6.3 c/9 C=99

CORTE
ESC 1:25



Solo compactado sobre a sapata
peso especifico > 1600,00 kgf/m³

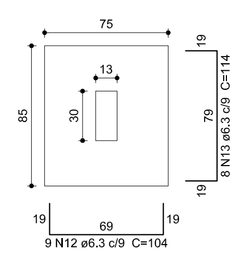
P12



7 N2 ø5.0 C=74

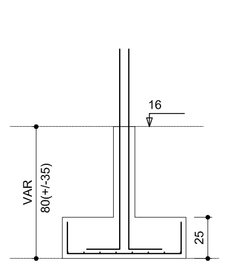
S12

PLANTA
ESC 1:25



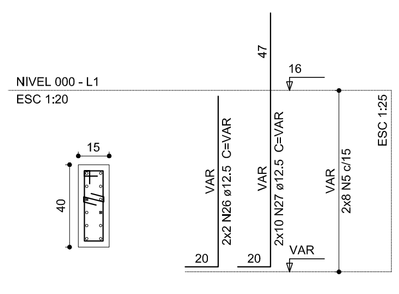
9 N12 ø6.3 c/9 C=104

CORTE
ESC 1:25



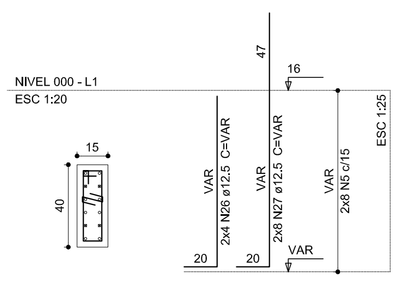
Solo compactado sobre a sapata
peso especifico > 1600,00 kgf/m³

P7=P10



2x8 N5 ø5.0 C=98
2x8 N7 ø5.0 C=24

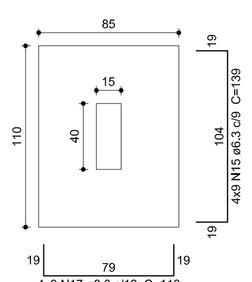
P15=P18



2x8 N5 ø5.0 C=98
2x8 N7 ø5.0 C=24

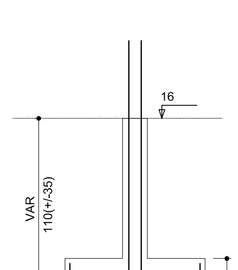
S7=S10=S15=S18

PLANTA
ESC 1:25



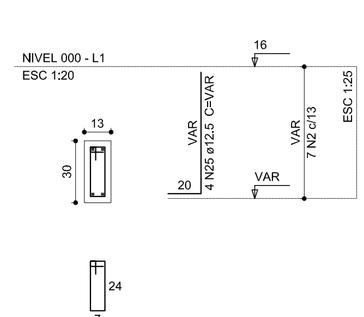
4x9 N17 ø8,0 c/12 C=113

CORTE
ESC 1:25



Solo compactado sobre a sapata
peso especifico > 1600,00 kgf/m³

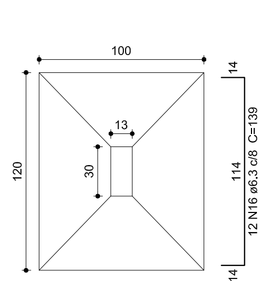
P8



7 N2 ø5.0 C=74

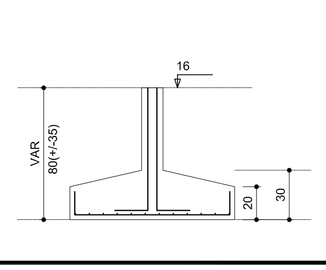
S8

PLANTA
ESC 1:25



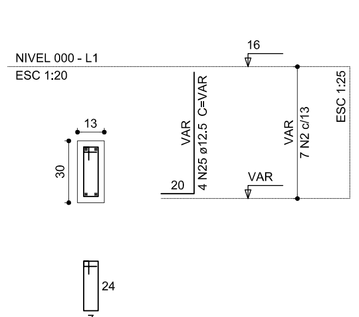
11 N18 ø8,0 c/11 C=118

CORTE
ESC 1:25



Solo compactado sobre a sapata
peso especifico > 1600,00 kgf/m³

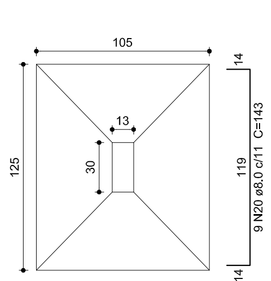
P9



7 N2 ø5.0 C=74

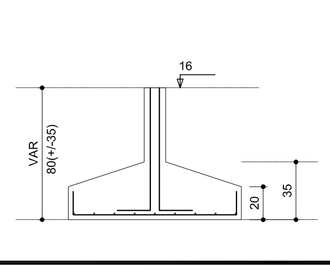
S9

PLANTA
ESC 1:25



14 N19 ø8,0 c/9 C=123

CORTE
ESC 1:25



Solo compactado sobre a sapata
peso especifico > 1600,00 kgf/m³

Relação do aço

S1	S8	S9
S10	S11	S12
S13	S14	S17
S23	2xS25	

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	17	78	1326
	2	5.0	108	74	7992
	3	5.0	14	22	308
	4	5.0	20	68	1360
	5	5.0	72	98	7056
	6	5.0	40	24	960
	7	5.0	32	24	768
CA50	8	6.3	92	84	7728
	9	6.3	79	99	7821
	10	6.3	36	94	3384
	11	6.3	24	109	2616
	12	6.3	16	104	1664
	13	6.3	32	114	3648
	14	6.3	8	119	952
	15	6.3	36	139	5004
	16	6.3	12	139	1668
	17	8.0	36	113	4068
	18	8.0	11	118	1298
	19	8.0	14	123	1722
	20	8.0	9	143	1287
	21	10.0	28	VAR	VAR
	22	10.0	32	VAR	VAR
	23	10.0	8	VAR	VAR
	24	12.5	28	VAR	VAR
	25	12.5	20	VAR	VAR
	26	12.5	16	VAR	VAR
	27	12.5	40	VAR	VAR

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	344.9	92.8
	8.0	83.8	36.4
	10.0	93.7	63.5
	12.5	145.5	154.1
CA60	5.0	197.7	33.5

PESO TOTAL (kg)	
CA50	346.8
CA60	33.5

Volume de concreto (C-25) = 4.95 m³
Área de forma = 42.34 m²

FNDE Fundo Nacional de Desenvolvimento da Educação — Ministério da Educação — GOVERNO FEDERAL BRASIL PÁTRIA EDUCADORA

PROJETO PADRÃO - FNDE

PROPRIETÁRIO: :

ENDEREÇO:

MUNICÍPIO – UF:

PROPRIETÁRIO

RESP. TÉCNICO — CREA

AUTOR DO PROJETO — CAU

DLFO

CREA

RA

OBSERVAÇÕES:

MÓDULO DE EDUCAÇÃO INFANTIL

PROJETO ESTRUTURAL

COORDENAÇÃO
CGEST - Coordenação Geral de Infraestrutura Educacional

FUNDAÇÕES
OPÇÃO SAPATAS

SCF

FORMATO
pers(940x630)

REVISÃO
R.00

ESCALA
INDICADA

DATA EMISSÃO
AGOSTO/2015

PRANCHA
04/05