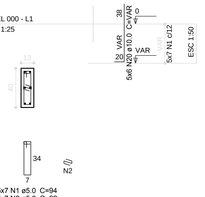
P10=P11=P14=P15=P34

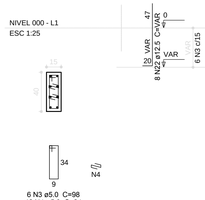
NIVEL 000 - L1
ESC 1:25



5x7 N1 ø5.0 C=94
5x7 N2 ø5.0 C=22

P36

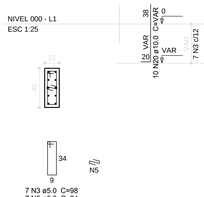
NIVEL 000 - L1
ESC 1:25



6 N3 ø5.0 C=98
12 N4 ø5.0 C=24

P37

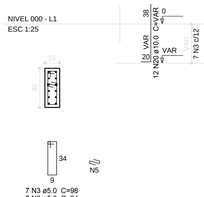
NIVEL 000 - L1
ESC 1:25



7 N3 ø5.0 C=98
7 N5 ø5.0 C=24

P62

NIVEL 000 - L1
ESC 1:25



7 N3 ø5.0 C=98
7 N5 ø5.0 C=24

S10=S11=S14=S15=S34=S36=S37=S62

PLANTA
ESC 1:50

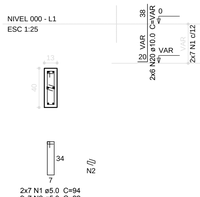
8x12 N10 ø6.3 c/8 C=109

Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:50

P27=P64

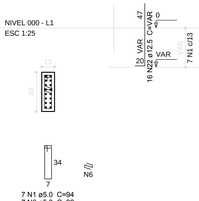
NIVEL 000 - L1
ESC 1:25



2x7 N1 ø5.0 C=94
2x7 N2 ø5.0 C=22

P73

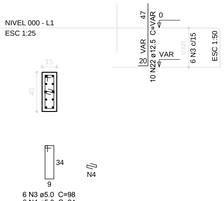
NIVEL 000 - L1
ESC 1:25



7 N1 ø5.0 C=94
7 N6 ø5.0 C=22

P97

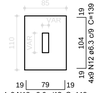
NIVEL 000 - L1
ESC 1:25



6 N3 ø5.0 C=88
6 N4 ø5.0 C=24

S27=S64=S73=S97

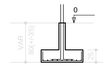
PLANTA
ESC 1:50



4x9 N16 ø8.0 c/12 C=113

Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:50



Relação do aço

S14	S17	S27	
S67	S95	S96	
S98	S101		

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	68	94	6392
	2	5.0	61	22	1342
	3	5.0	32	98	3136
	4	5.0	60	24	1440
	5	5.0	42	24	1008
	6	5.0	7	22	154
	7	5.0	32	118	3776
	8	5.0	14	116	1624
	9	5.0	14	39	546
CA50	10	6.3	96	109	10464
	11	6.3	72	129	9288
	12	6.3	49	139	6811
	13	6.3	45	149	6705
	14	6.3	13	149	1937
	15	6.3	12	78	936
	16	8.0	91	113	10283
	17	8.0	9	133	1197
	18	8.0	13	123	1599
	19	8.0	14	158	2212
	20	10.0	98	VAR	VAR
	21	10.0	12	142	1704
	22	12.5	76	VAR	VAR
	23	12.5	26	186	4836
	24	12.5	15	176	2640
	25	12.5	11	201	2211

Resumo do aço

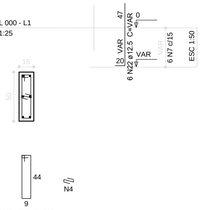
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	361.5	97.3
	8.0	153	66.4
	10.0	150.4	101.9
	12.5	206.4	218.6
CA60	5.0	194.2	32.9

PESO TOTAL (kg)	
CA50	484.2
CA60	32.9

Volume de concreto (C-25) = 7.89 m³
Área de forma = 42.04 m²

P17

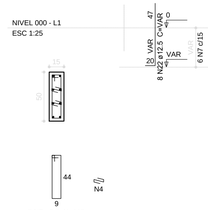
NIVEL 000 - L1
ESC 1:25



6 N7 ø5.0 C=118
6 N4 ø5.0 C=24

P24

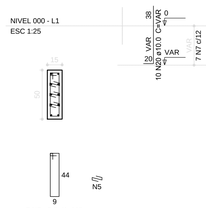
NIVEL 000 - L1
ESC 1:25



6 N7 ø5.0 C=118
12 N4 ø5.0 C=24

P25

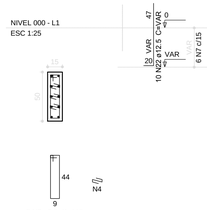
NIVEL 000 - L1
ESC 1:25



7 N7 ø5.0 C=118
21 N5 ø5.0 C=24

P32

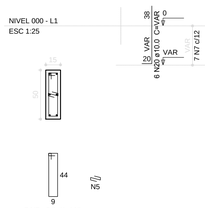
NIVEL 000 - L1
ESC 1:25



6 N7 ø5.0 C=118
18 N4 ø5.0 C=24

P68

NIVEL 000 - L1
ESC 1:25



7 N7 ø5.0 C=118
7 N5 ø5.0 C=24

S17=S24=S25=S32=S68

PLANTA
ESC 1:50

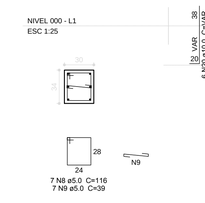
5x11 N16 ø8.0 c/11 C=113

Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:50

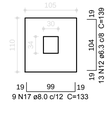
P96

NIVEL 000 - L1
ESC 1:25



S96

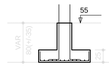
PLANTA
ESC 1:50



9 N17 ø8.0 c/12 C=133

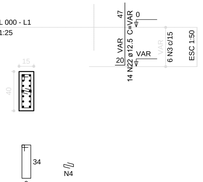
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:50



P67

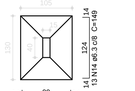
NIVEL 000 - L1
ESC 1:25



6 N3 ø5.0 C=98
6 N4 ø5.0 C=24

S67

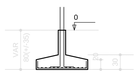
PLANTA
ESC 1:50



13 N18 ø8.0 c/10 C=123

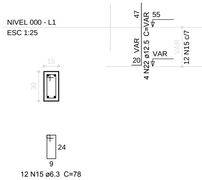
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:50



P101

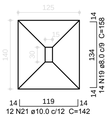
NIVEL 000 - L1
ESC 1:25



12 N15 ø6.3 C=78

S101

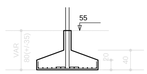
PLANTA
ESC 1:50



12 N21 ø10.0 c/12 C=142

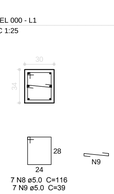
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:50



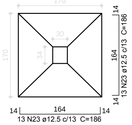
P95

NIVEL 000 - L1
ESC 1:25



S95

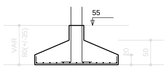
PLANTA
ESC 1:50



13 N23 ø12.5 c/13 C=186

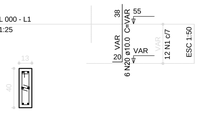
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:50



P98

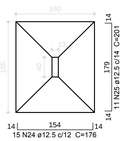
NIVEL 000 - L1
ESC 1:25



12 N1 ø5.0 C=94
12 N2 ø5.0 C=22

S98

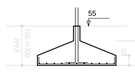
PLANTA
ESC 1:50



15 N24 ø12.5 c/12 C=176

Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:50



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:

PROJETO EXECUTIVO

PROGRAMA PROINFÂNCIA - PROJETO TIPO 1

PROJETO DE ESTRUTURA

COORDENAÇÃO
CGEST - Coordenação Geral de Infraestrutura Educacional

OPÇÃO1: FUNDAÇÃO SAPATAS
DETALHAMENTO DE SAPATAS

SFN

FORMATO (1050x594)

REVISÃO R.00

ESCALA INDICADA

DATA EMISSÃO JUNHO/2015

PRANCHA 05/16