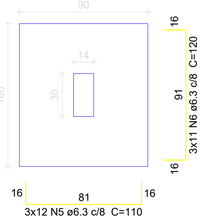
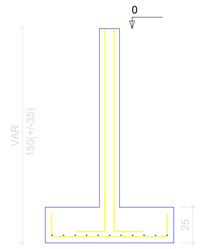
S_11=S_13=S_17

PLANTA
ESC 1:25



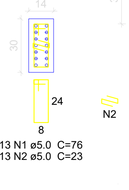
CORTE
ESC 1:25



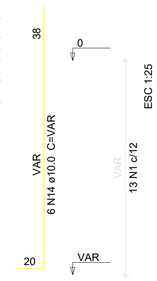
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P_11

FUNDAÇÃO - L50
ESC 1:20

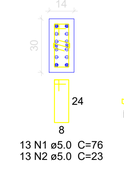


13 N1 ø5.0 C=76
13 N2 ø5.0 C=23

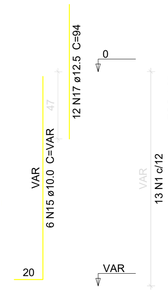


P_13

FUNDAÇÃO - L50
ESC 1:20

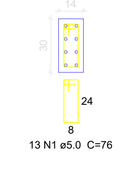


13 N1 ø5.0 C=76
13 N2 ø5.0 C=23



P_17

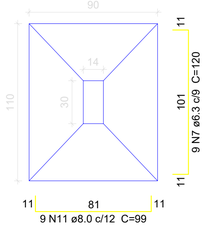
FUNDAÇÃO - L50
ESC 1:20



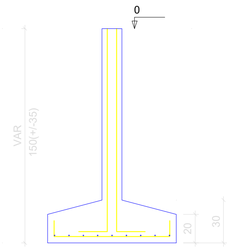
13 N1 ø5.0 C=76

S_15

PLANTA
ESC 1:25



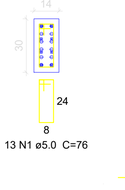
CORTE
ESC 1:25



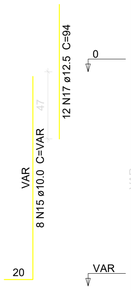
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P_15

FUNDAÇÃO - L50
ESC 1:20

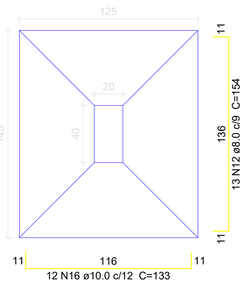


13 N1 ø5.0 C=76

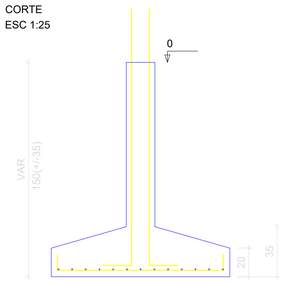


S_18=S_21=S_29=S_30

PLANTA
ESC 1:25



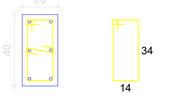
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P_18=P_21=P_29=P_30

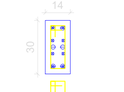
FUNDAÇÃO - L50
ESC 1:20



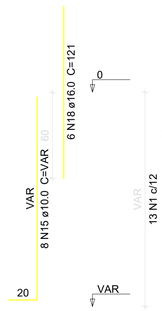
13 N3 ø5.0 C=108
13 N4 ø5.0 C=29

P_26

FUNDAÇÃO - L50
ESC 1:20

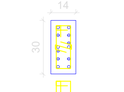


13 N1 ø5.0 C=76



P_24=P_33

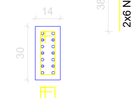
FUNDAÇÃO - L50
ESC 1:20



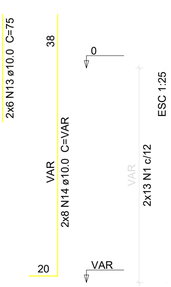
2x13 N1 ø5.0 C=76
2x13 N2 ø5.0 C=23

P_38=P_39

FUNDAÇÃO - L50
ESC 1:20

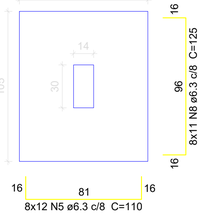


2x13 N1 ø5.0 C=76

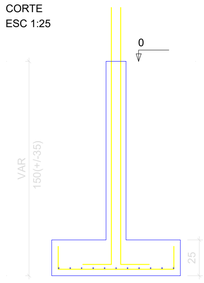


S_19=S_20=S_22=S_24=S_26=S_33=S_38=S_39

PLANTA
ESC 1:25



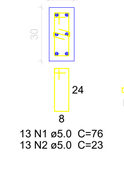
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P_19

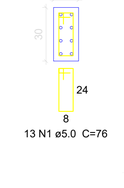
FUNDAÇÃO - L50
ESC 1:20



13 N1 ø5.0 C=76
13 N2 ø5.0 C=23

P_20

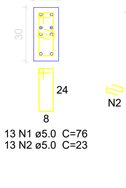
FUNDAÇÃO - L50
ESC 1:20



13 N1 ø5.0 C=76

P_22

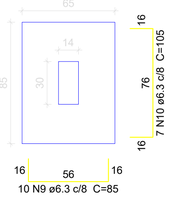
FUNDAÇÃO - L50
ESC 1:20



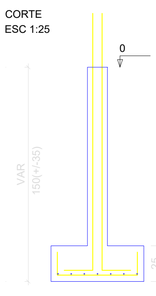
13 N1 ø5.0 C=76
13 N2 ø5.0 C=23

S_42=S_43

PLANTA
ESC 1:25



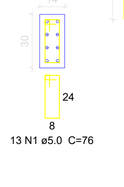
CORTE
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P_42=P_43

FUNDAÇÃO - L50
ESC 1:20



13 N1 ø5.0 C=76

Relação do aço

S_13 S_15 4xS_18
S_20 2xS_42

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	182	76	13832
	2	5.0	78	23	1794
	3	5.0	52	108	5616
	4	5.0	52	29	1508
CA50	5	6.3	132	110	14520
	6	6.3	33	120	3960
	7	6.3	9	120	1080
	8	6.3	88	125	11000
	9	6.3	20	85	1700
	10	6.3	14	105	1470
	11	8.0	9	99	891
	12	8.0	52	154	8008
	13	10.0	42	75	3150
	14	10.0	88	VAR	VAR
	15	10.0	28	VAR	VAR
	16	10.0	48	133	6384
	17	12.5	30	94	2820
	18	16.0	6	121	726

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	337.3	90.8
	8.0	89	38.6
	10.0	317.9	215.6
	12.5	28.2	29.9
	16.0	7.3	12.6
CA60	5.0	227.5	38.6

PESO TOTAL (kg)
CA50 387.5
CA60 38.6

Volume de concreto (C-25) = 6.35 m³
Área de forma = 42.95 m²

JOSIEL NASCIMENTO DOS SANTOS FILHO:84733535287
Assinado de forma digital por JOSIEL NASCIMENTO DOS SANTOS FILHO:84733535287
Dados: 2022.08.17 12:31:24 -03'00'

CLIENTE: PREFEITURA MUNICIPAL DE SENADOR JOSÉ PORFÍRIO
CNPJ: 05.421.110/0001-40
OBRA: ESCOLA PADRÃO RURAL 04 SALAS VILA MOCOTÓ

EST-02/16

PROJETO DE ARQUITETURA
VERSÃO: 00
DESENHO: SAPATAS
INÍCIO: JUNHO/2022
TÉRMINO: AGOSTO/ 2022
ESCALA: 1 /100
REVISÃO 00
CONTROLE ARQUIVO: 2022 V.03SJP

EQUIPE TÉCNICA DO PROJETO

Responsável Projeto: Josiel Nascimento dos santos filho CREA 20.299 D/PA
Projetista e Coordenação Técnica: DEPARTAMENTO DE ENGENHARIA
Tec.Projetista CAD: