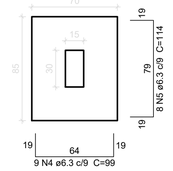
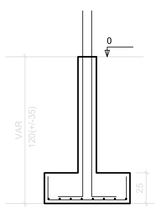
S1
PLANTA
ESC 1:25

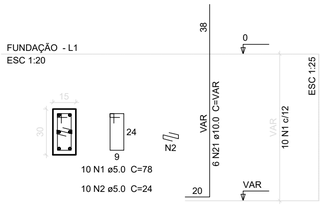


CORTE
ESC 1:25

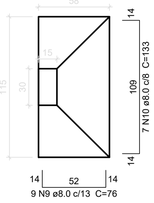


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

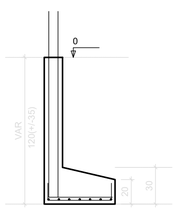
P1



S2=S4
PLANTA
ESC 1:25

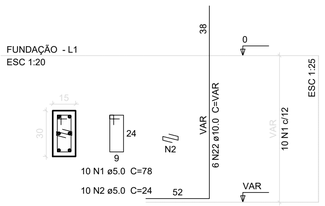


CORTE
ESC 1:25

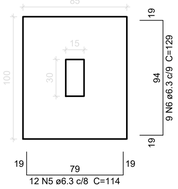


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

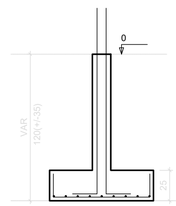
P2=P4



S3
PLANTA
ESC 1:25

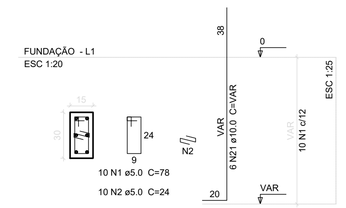


CORTE
ESC 1:25

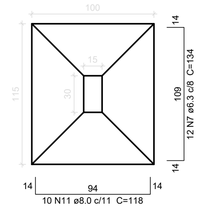


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

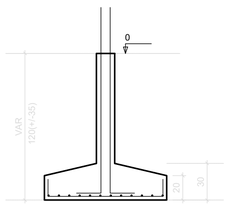
P3



S5
PLANTA
ESC 1:25

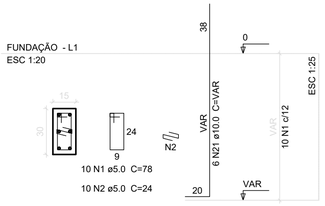


CORTE
ESC 1:25

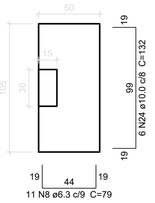


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

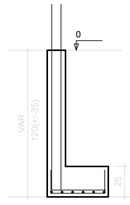
P5



S6
PLANTA
ESC 1:25

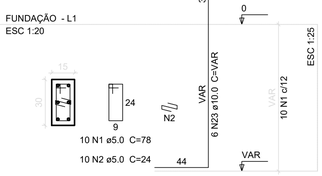


CORTE
ESC 1:25

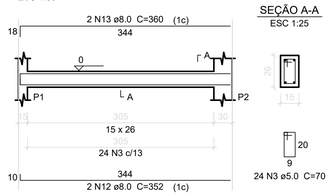


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P6

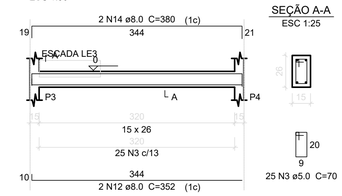


VB1
ESC 1:50



SEÇÃO A-A
ESC 1:25

VB2
ESC 1:50



SEÇÃO A-A
ESC 1:25

Relação do aço

FUNDAÇÃO :	S1	2xS2
	S3	S5
	S6	VB1
	VB2	VB3
	VB4	VB5
TERREO:	6xP1	V101
	V102	V103
	V104	V105

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	210	78	16380
	2	5.0	210	24	5040
	3	5.0	313	70	21910
CA50	4	6.3	9	99	891
	5	6.3	20	114	2280
	6	6.3	9	129	1161
	7	6.3	12	134	1608
	8	6.3	11	79	869
	9	8.0	18	76	1368
	10	8.0	14	133	1862
	11	8.0	10	118	1180
	12	8.0	10	352	3520
	13	8.0	4	360	1440
	14	8.0	2	380	760
	15	8.0	2	344	688
	16	8.0	2	378	756
	17	8.0	4	598	2392
	18	8.0	8	614	4912
	19	8.0	4	606	2424
	20	8.0	4	379	1516
	21	10.0	18	VAR	VAR
	22	10.0	12	VAR	VAR
	23	10.0	6	VAR	VAR
	24	10.0	6	132	792
	25	10.0	36	328	11808

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	68.1	16.47
	8.0	228.2	89.1
	10.0	194.7	118.8
CA60	5.0	433.3	66.15
PESO TOTAL			
CA50	224.37		
CA60	66.15		

Vol. de concreto total (C-25) = 3.96 m³
Área de forma total = 57.35 m²

VB3
ESC 1:50

SEÇÃO A-A
ESC 1:25

VB4
ESC 1:50

SEÇÃO A-A
ESC 1:25

VB5
ESC 1:50

SEÇÃO A-A
ESC 1:25

P1=P2=P3=P4=P5=P6

V101
ESC 1:50

SEÇÃO A-A
ESC 1:25

V102
ESC 1:50

SEÇÃO A-A
ESC 1:25

V103
ESC 1:50

SEÇÃO A-A
ESC 1:25

V104
ESC 1:50

SEÇÃO A-A
ESC 1:25

V105
ESC 1:50

SEÇÃO A-A
ESC 1:25

NOTAS

1 – Medidas em metros.

LEGENDA

ATUALIZAÇÃO

REV.	DESCRIÇÃO	DATA	A.M.P.J EXEC.	G.V.M VERIF.	G.V.M APROV.
0	EMISSÃO INICIAL	29/01/21			

CONTRATANTE: PREFEITURA MUNICIPAL DE JAPONVAR/MG
CNPJ Nº: 01.612.476/0001-46
Rua Curitiba, 112
Centro, Japonvar-MG
CEP: 39335-000

CONTRATADA: CARVALHO AMARAL ENGENHARIA
CNPJ Nº: 16.783.066/0001-35
Avenida Mestra Fininha, nº 726,
1º andar, Centro, Montes Claros/MG,
CEP: 39401-074

OBRA: PROJETO ESTRUTURAL
REFORMA E AMPLIAÇÃO DA PREFEITURA
FUNDAÇÃO, PILARES E VIGAS

RESPONSÁVEL TÉCNICO: GABRIEL VINICIUS MARTINS — CREA: MG 230.779/D
MUNICÍPIO/ÁREA: MUNICÍPIO DE JAPONVAR/MG
ENDEREÇO DA OBRA: RUA CURITIBA, 112 – CENTRO
DATA: 29/03/2021 — ESCALA: INDICADA — PRANCHA: 02/03
ARQUIVO: DE-2020.1419-MG.JAP-EST-EXE.001=0