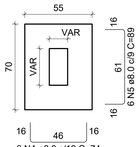
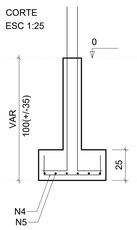
S1=S3=S6=S7

PLANTA
ESC 1:25

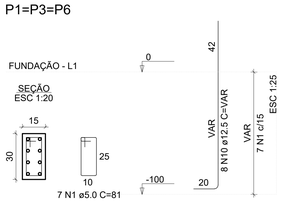


CORTE
ESC 1:25

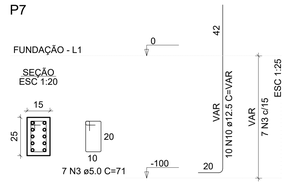


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P1=P3=P6

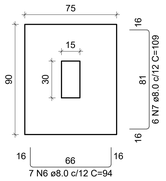


P7

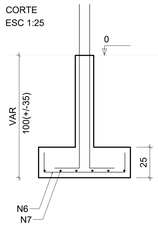


S2=S5

PLANTA
ESC 1:25

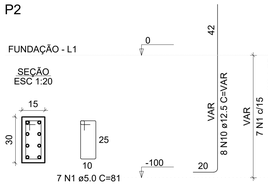


CORTE
ESC 1:25

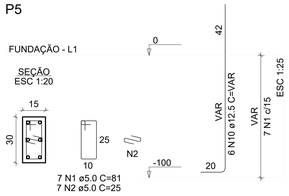


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P2

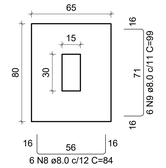


P5

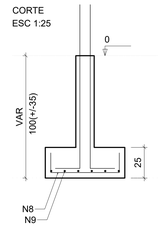


S4

PLANTA
ESC 1:25

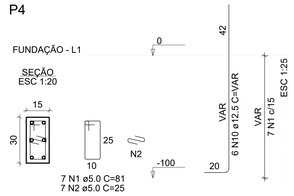


CORTE
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P4



RELAÇÃO DO AÇO
SAPATAS

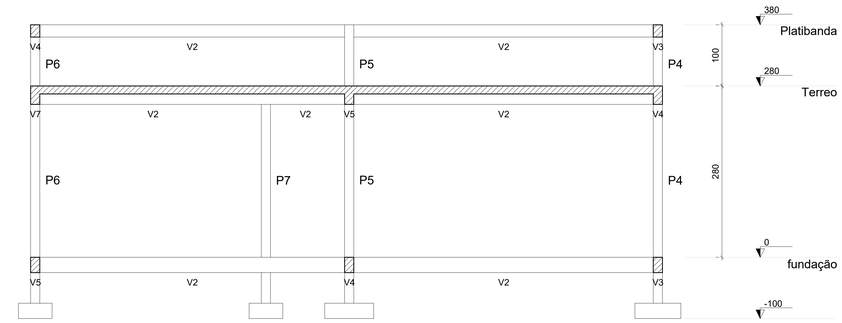
3xP1 P2 P4
P5 P7 4xS1
2xS2 S4

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	42	81	3402
	2	5.0	14	25	350
	3	5.0	7	71	497
CA50	4	8.0	24	74	1776
	5	8.0	24	89	2136
	6	8.0	14	94	1316
	7	8.0	12	109	1308
	8	8.0	6	84	504
	9	8.0	6	99	594
	10	12.5	54	VAR	VAR

RESUMO DO AÇO

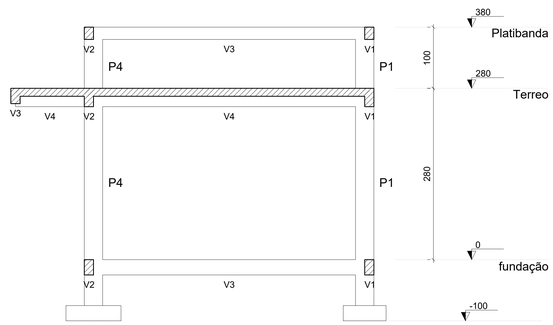
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	76.3	33.1
	12.5	83.7	88.7
CA60	5.0	42.5	7.2
PESO TOTAL (kg)			
CA50	121.8		
CA60	7.2		

Volume de concreto (C-25) = 1.16 m³
Área de forma = 11.08 m²



Corte A-A

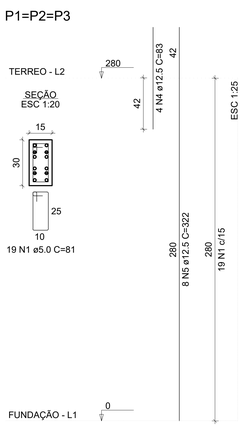
escala 1:50



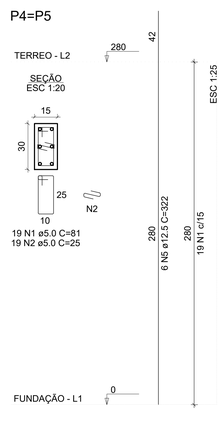
Corte B-B

escala 1:50

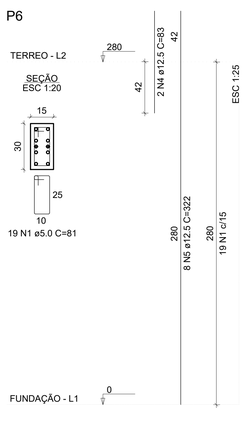
P1=P2=P3



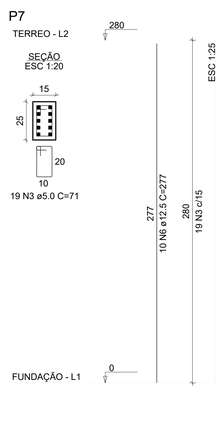
P4=P5



P6



P7



RELAÇÃO DO AÇO
PILARES

3xP1 2xP4 P6
P7

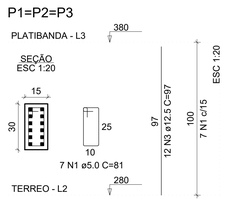
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	114	81	9234
	2	5.0	38	25	950
	3	5.0	19	71	1349
CA50	4	12.5	14	83	1162
	5	12.5	44	322	14168
	6	12.5	10	277	2770

RESUMO DO AÇO

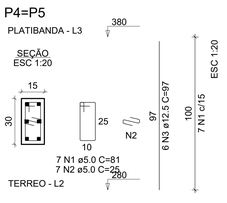
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	12.5	181	191.8
CA60	5.0	115.3	19.6
PESO TOTAL (kg)			
CA50	191.8		
CA60	19.6		

Volume de concreto (C-25) = 0.86 m³
Área de forma = 17.36 m²

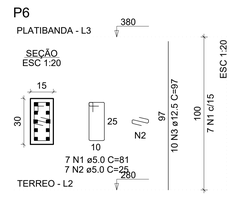
P1=P2=P3



P4=P5



P6



RELAÇÃO DO AÇO
PILARES PLATIBANDA

3xP1 2xP4 P6

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	42	81	3402
	2	5.0	21	25	525
CA50	3	12.5	58	97	5626

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	12.5	56.3	59.6
CA60	5.0	39.3	6.7
PESO TOTAL (kg)			
CA50	59.6		
CA60	6.7		

Volume de concreto (C-30) = 0.27 m³
Área de forma = 5.40 m²

Aprovação:

PREFEITURA MUNICIPAL DE ARAPIRACA
DEPARTAMENTO DE PROJETOS
APROVADO EM
26/07/2021
Valder de Souza Belinho Junior
Eng. Civil
CREA/AL Nº 020853774-0

PREFEITURA MUNICIPAL DE ARAPIRACA
Secretaria Municipal de Infraestrutura

PROJETO ESTRUTURAL

Título/ Obra:
REFORMA E AMPLIAÇÃO DO MERCADO PUBLICO DE ARAPIRACA

Localização:
RUA TEODORICO COSTA, CENTRO ARAPIRACA - AL

Proprietário/ Responsável:
Prefeitura Municipal de Arapiraca - CNPJ: 12198693/ 0001-58

MARCUS VINICIUS NUNES SILVA CREA 0216086124

Dados do Projeto:
CT: 1067893-83 /2019

Assunto:
DETALHES SAPATAS E PILARES - BANHEIROS

Atenção: Conferir as Medidas no Local

Prancha Nº: 03/05

Desenho: Gráfico - SEMINFRA
Data: MAR/ 2020
Escala: Indicada