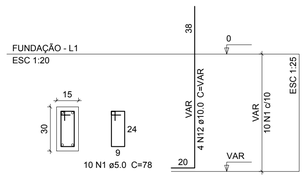
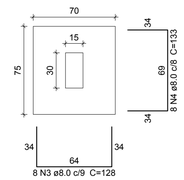
P1=P2=P7=P8

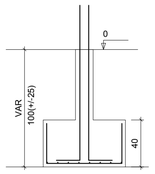


S1=S2=S7=S8

PLANTA
ESC 1:25

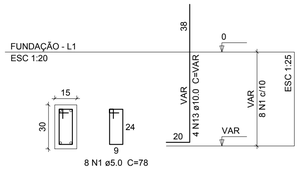


CORTE
ESC 1:25



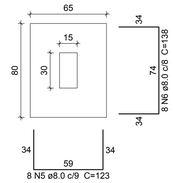
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P3=P4=P5=P6

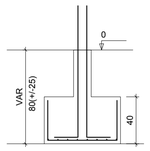


S3=S4=S5=S6

PLANTA
ESC 1:25

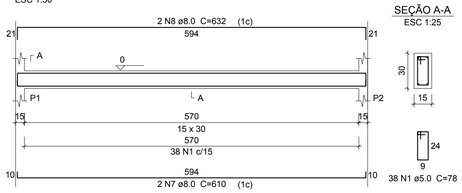


CORTE
ESC 1:25



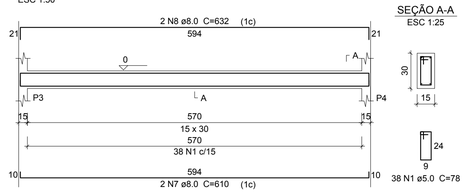
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

V1
ESC 1:50



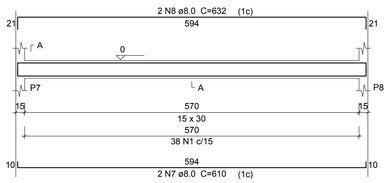
SEÇÃO A-A
ESC 1:25

V2
ESC 1:50

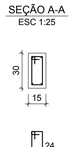


SEÇÃO A-A
ESC 1:25

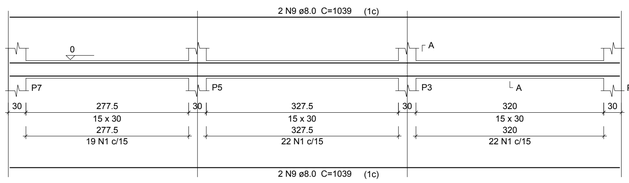
V4
ESC 1:50



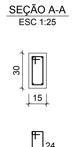
SEÇÃO A-A
ESC 1:25



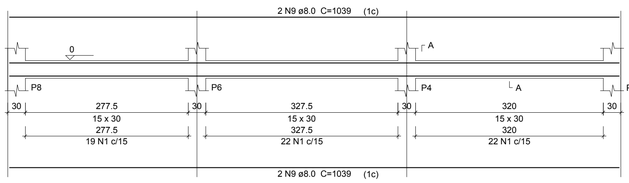
V5
ESC 1:50



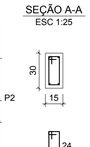
SEÇÃO A-A
ESC 1:25



V6
ESC 1:50



SEÇÃO A-A
ESC 1:25



Relação do aço

FUNDAÇÃO:	4xS1	4xS5
	V1	V2
	V3	V4
	V5	V6
TERREO:	8xP1	V1
	V2	V3
	V4	V5
	V6	

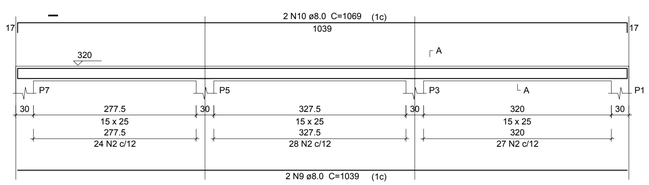
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	606	78	47268
	2	5.0	350	68	23800
CA50	3	8.0	32	128	4096
	4	8.0	32	133	4256
	5	8.0	32	123	3936
	6	8.0	32	138	4416
	7	8.0	16	610	9760
	8	8.0	12	632	7584
	9	8.0	12	1039	12468
	10	8.0	4	1069	4276
	11	8.0	4	634	2536
	12	10.0	16	VAR	VAR
	13	10.0	16	VAR	VAR
	14	10.0	32	317	10144

Resumo do aço

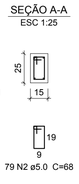
AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	533.3	231.5
	10.0	148.2	100.5
CA60	5.0	710.7	120.5
PESO TOTAL			
CA50	331.9		
CA60	120.5		

Vol. de concreto total (C-25) = 6.85 m³
Área de forma total = 101.66 m²

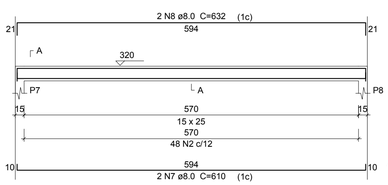
V2
ESC 1:50



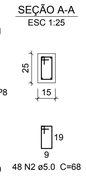
SEÇÃO A-A
ESC 1:25



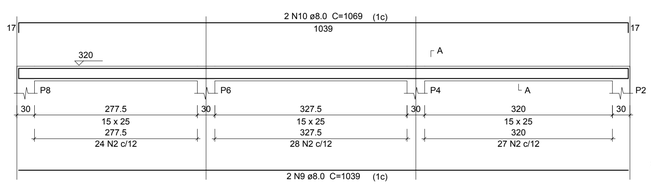
V3
ESC 1:50



SEÇÃO A-A
ESC 1:25

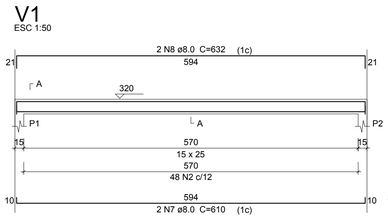


V4
ESC 1:50

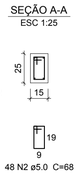


SEÇÃO A-A
ESC 1:25

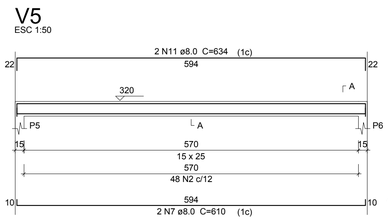
V1
ESC 1:50



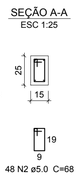
SEÇÃO A-A
ESC 1:25



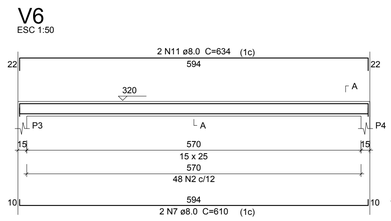
V5
ESC 1:50



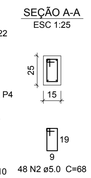
SEÇÃO A-A
ESC 1:25



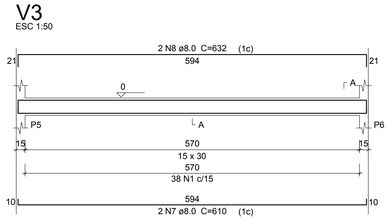
V6
ESC 1:50



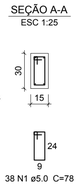
SEÇÃO A-A
ESC 1:25



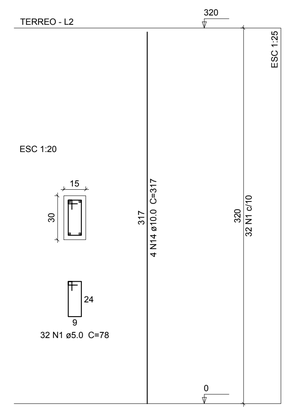
V3
ESC 1:50



SEÇÃO A-A
ESC 1:25



P1=P2=P3=P4=P5=P6=P7=P8



PREFEITURA MUNICIPAL DE TUCUMÃ
Rua do Canaval, s/n – Morumbi – CEP: 68.385-000 – CNPJ: 22.981.088/0001-02 - Tucumã – PA
FONE: (94) 3433-1316 / 3433-1074

PROJETO: REFORMA E AMPLIAÇÃO EMEF ELCIONE BARBALHO

ORGÃO PROPONENTE: SECRETARIA MUNICIPAL DE EDUCAÇÃO DE TUCUMÃ
PREFEITURA MUNICIPAL DE TUCUMÃ
PREFEITO MUNICIPAL: ADELAR PELEGRINI - PREFEITO MUNICIPAL
RESPONSÁVEL TÉCNICO: GLAUDER MARTINS MACHADO - ENGENHEIRO CIVIL CREA/PA 13.559-D

REFERÊNCIA: PROJETO ESTRUTURAL (AMPLIAÇÃO)
PRANCHA: 01/02

ÁREA CONSTRUÍDA: 60.25 m²	ESCALA: INDICADA	PROJETO NÚMERO: -
DESENHO CAD: ELIEL DIAS RIBEIRO	DATA: ABRIL/2019	REVISÃO: 00

DIREITOS RESERVADOS - A REPRODUÇÃO OU EXECUÇÃO NO SEU TODO OU PARTE DESTE PROJETO, SEM A PRÉVIA AUTORIZAÇÃO DE SEU AUTOR, FICAM SUJEITA AS MEDIDAS LEGAIS CABÍVEIS.
AS INFORMAÇÕES DO PROJETO ENSEJAM SUPORTE PARA ADITIVOS OU APARADEIRAS PARA ANÁLISES POSTERIORES.
LEI 5772 DE 21/12/71

PRANCHA FORMATO A1- 594 x 841 cm