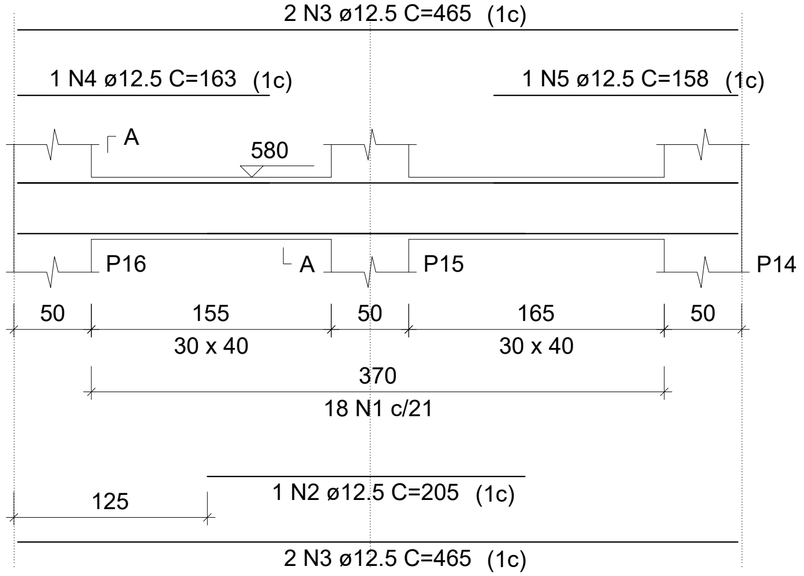
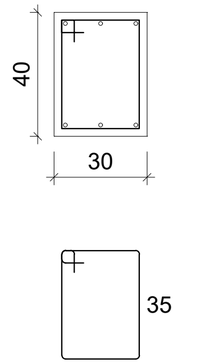
VIGA DE TRAVAMENTO-01

ESC 1:50



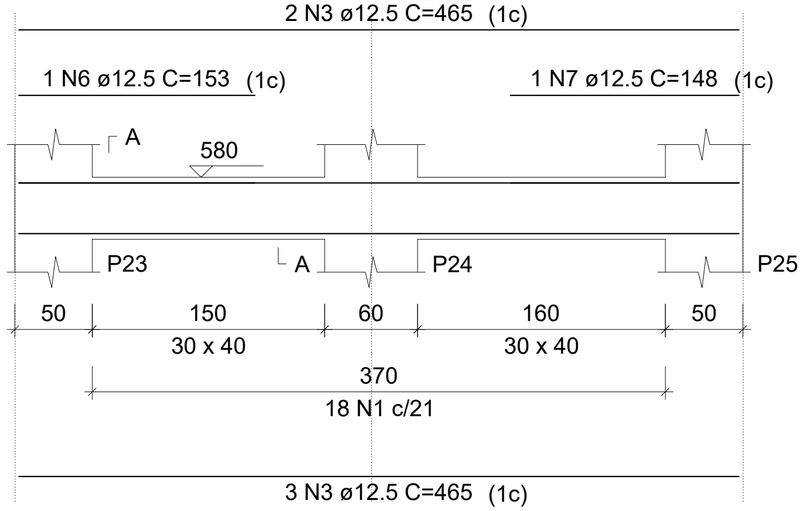
SEÇÃO A-A

ESC 1:25



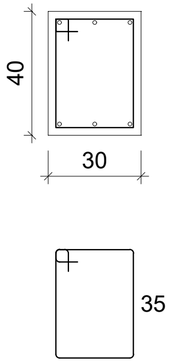
VIGA DE TRAVAMENTO -02

ESC 1:50



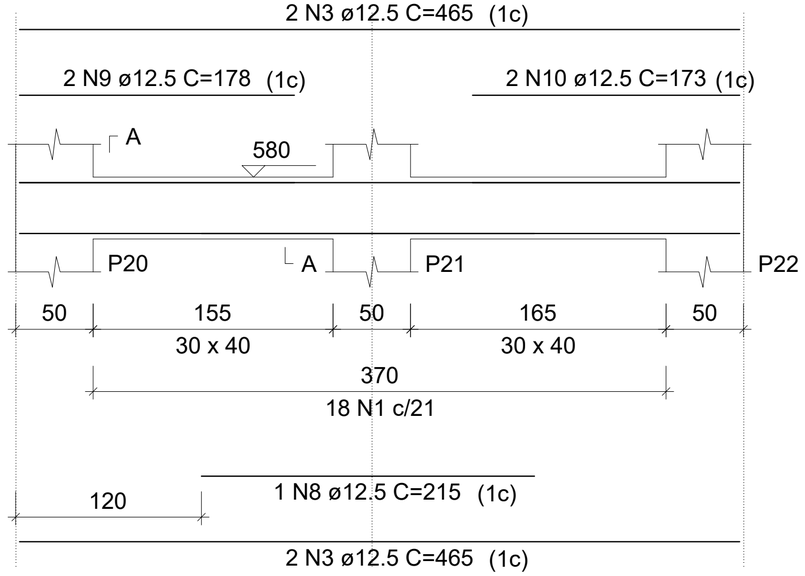
SEÇÃO A-A

ESC 1:25



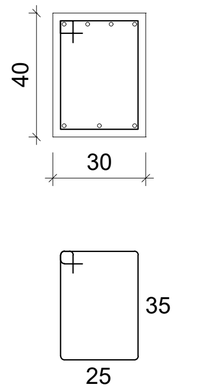
VIGA DE TRAVAMENTO-03

ESC 1:50



SEÇÃO A-A

ESC 1:25



RELAÇÃO DO AÇO

V1 V2 V3

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	8.0	54	132	7128
	2	12.5	1	205	205
	3	12.5	13	465	6045
	4	12.5	1	163	163
	5	12.5	1	158	158
	6	12.5	1	153	153
	7	12.5	1	148	148
	8	12.5	1	215	215
	9	12.5	2	178	356
	10	12.5	2	173	346

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	71.3	30.9
	12.5	77.9	82.5

PESO TOTAL (kg)	
CA50	113.5

Volume de concreto (C-25) = 1.14 m³

Área de forma = 10.45 m²

Projeto:
CONSTRUÇÃO DE PONTE DE CONCRETO ARMADO 5,00X65,00 M

Endereço:
VICINAL 180 SUL RIO URUARÁ-PA

Proprietário:
PREFEITURA MUNICIPAL DE URUARA-PA
CNPJ:34.593.541/0001-92

Responsável Técnico:
Jose Wellington Mourao Veras:16950739249 Assinado de forma digital por Jose Wellington Mourao Veras:16950739249
JOSÉ WELLINGTON MOURÃO VERAS
9177D/CREAPA

Observações: Conferir medidas in-loco

Desenhista: José Wellington

Escala: Indicada

Data: 27/10/2026

folha: PONTE **04/11**

FORMATO A2 TÉCNICO – ABNT NBR 16752:2020
Dimensões: 420x594 mm