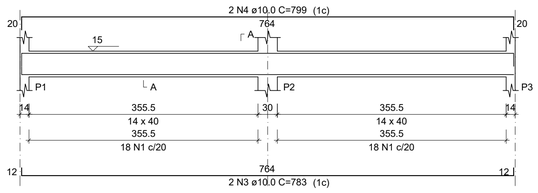
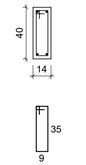
V1
ESC 1:50

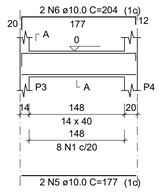


SEÇÃO A-A
ESC 1:25

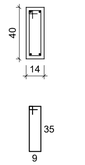


36 N1 ø5.0 C=99

V2
ESC 1:50

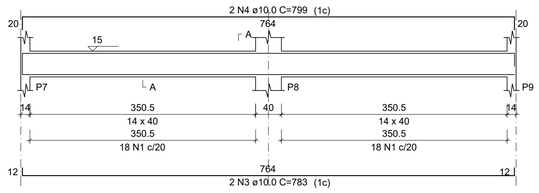


SEÇÃO A-A
ESC 1:25

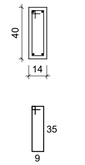


8 N1 ø5.0 C=99

V3
ESC 1:50

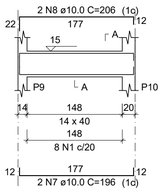


SEÇÃO A-A
ESC 1:25

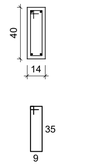


36 N1 ø5.0 C=99

V4
ESC 1:50

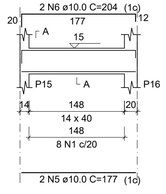


SEÇÃO A-A
ESC 1:25

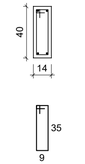


8 N1 ø5.0 C=99

V6
ESC 1:50

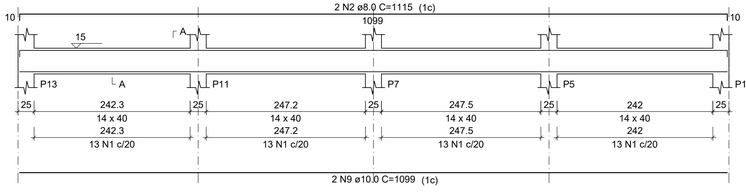


SEÇÃO A-A
ESC 1:25

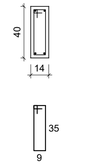


8 N1 ø5.0 C=99

V7
ESC 1:50

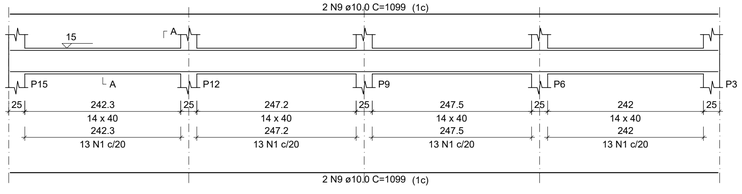


SEÇÃO A-A
ESC 1:25

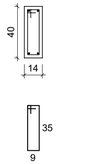


52 N1 ø5.0 C=99

V8
ESC 1:50

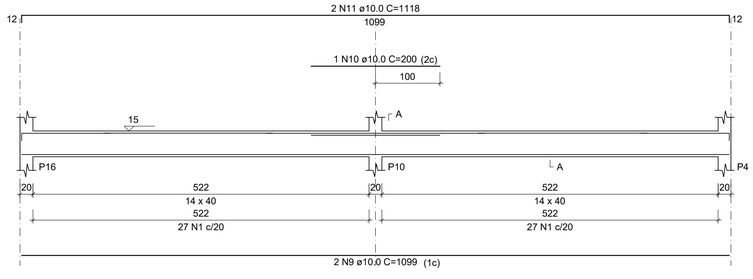


SEÇÃO A-A
ESC 1:25

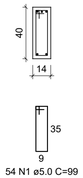


52 N1 ø5.0 C=99

V9
ESC 1:50

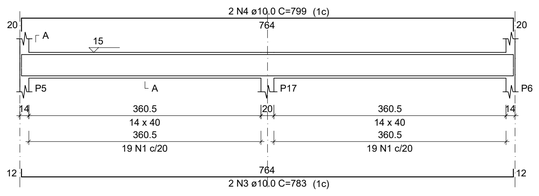


SEÇÃO A-A
ESC 1:25

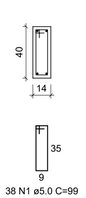


54 N1 ø5.0 C=99

V10
ESC 1:50

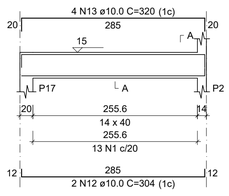


SEÇÃO A-A
ESC 1:25

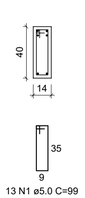


38 N1 ø5.0 C=99

V11
ESC 1:50

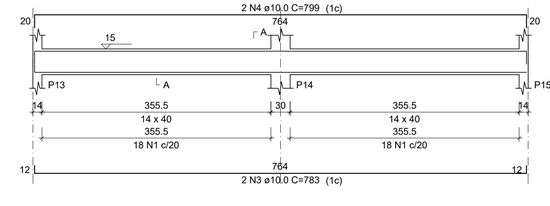


SEÇÃO A-A
ESC 1:25

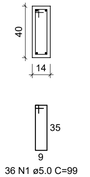


13 N1 ø5.0 C=99

V5
ESC 1:50



SEÇÃO A-A
ESC 1:25



36 N1 ø5.0 C=99

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	22.3	9.7
	10.0	274.6	186.2
CA60	5.0	337.6	57.2

PESO TOTAL (kg)	
CA50	195.9
CA60	57.2

Volume de concreto (C-25) = 4.05 m³
Área de forma = 67.90 m²
Área de Impermeabilização = 85,0m²

PREFEITURA MUNICIPAL DO RIO GRANDE

GABINETE DE PROGRAMAS E PROJETOS ESPECIAIS

E.M.E.F. SÃO JOÃO BATISTA
Rua Pandiá Calogeras Nº598
Bairro São João - Rio Grande/RS

GPPE 07.2026

PROJETO ESTRUTURAL
PLANTA FUNDAÇÃO
ARMAÇÃO DAS VIGAS BALDRAME

PAULO CESAR FERRARI PIRES:00102794073 — Assinado de forma digital por PAULO CESAR FERRARI PIRES:00102794073 Dados: 2026.07.14 06:45:34 -03'00'

Paulo Cesar Ferrari Pires
Eng Civil - CREA-RS 139940

Secretária Arq. Urb. Giovana Trindade

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