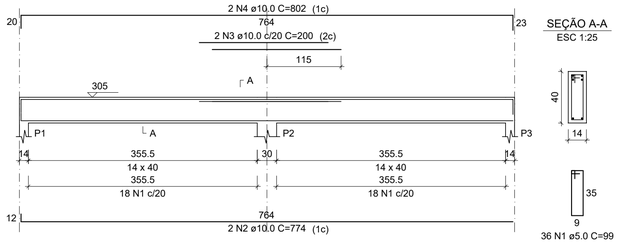
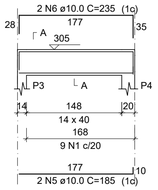
V1
ESC 1:50

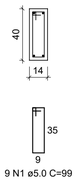


SEÇÃO A-A
ESC 1:25

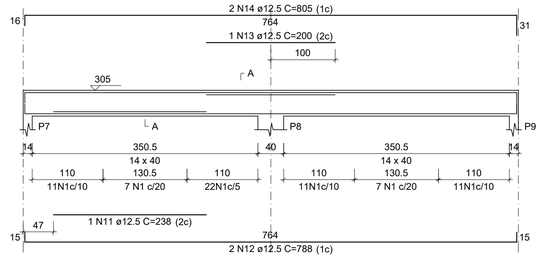
V2
ESC 1:50



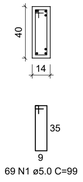
SEÇÃO A-A
ESC 1:25



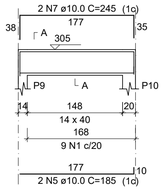
V3
ESC 1:50



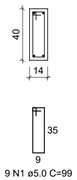
SEÇÃO A-A
ESC 1:25



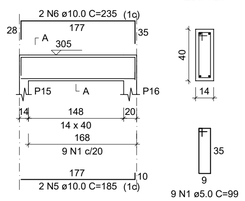
V4
ESC 1:50



SEÇÃO A-A
ESC 1:25

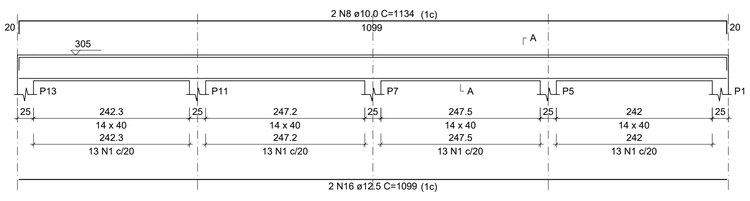


V6
ESC 1:50

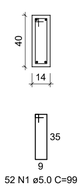


SEÇÃO A-A
ESC 1:25

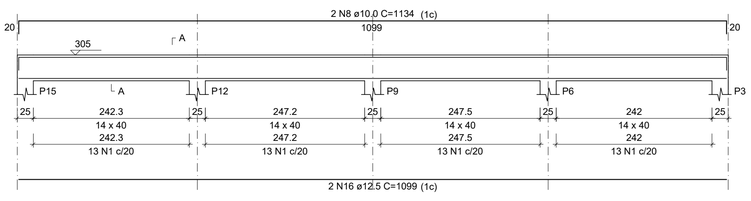
V7
ESC 1:50



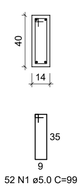
SEÇÃO A-A
ESC 1:25



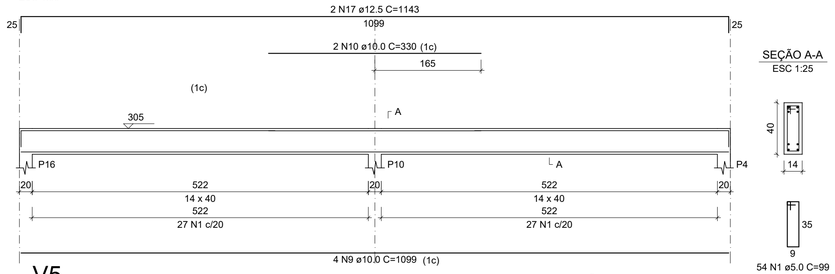
V8
ESC 1:50



SEÇÃO A-A
ESC 1:25



V9
ESC 1:50



SEÇÃO A-A
ESC 1:25

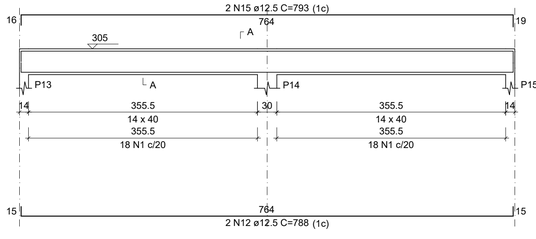
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	156.8	106.4
	12.5	134.7	142.7
CA60	5.0	322.7	54.7

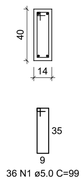
PESO TOTAL (kg)	
CA50	249.1
CA60	54.7

Volume de concreto (C-25) = 3.45 m³
Área de forma = 57.95 m²

V5
ESC 1:50



SEÇÃO A-A
ESC 1:25



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

ARMAÇÃO VIGAS COBERTURA

PAULO CESAR FERRARI PIRES:00102794073
Assinado de forma digital por PAULO CESAR FERRARI PIRES:00102794073
Dados: 2026.07.14 06:44:53 -03'00'

Paulo Cesar Ferrari Pires
Eng Civil - CREA-RS 139940

Secretária Arq. Urb. Giovana Trindade

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