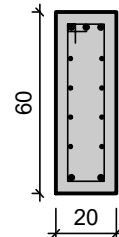
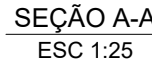
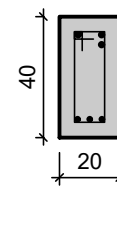


ESC 1:50



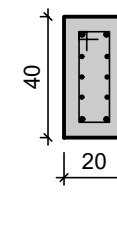
33 N1 ø5.0 C=139

ESC 1:50



109 N1 ø5.0 C=91

ESC 1:50

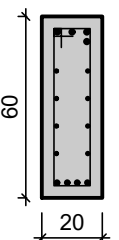
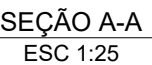


158 N1 $\phi 5.0$ C=9

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	609.6	164.1
	8.0	22	9.5
	10.0	223.1	151.3
	12.5	283.8	300.7
CA60	5.0	762.9	129.3
PESO TOTAL (kg)			
CA50	625.6		
CA60	129.3		

Volume de concreto (C-30) = 9.78 m³
Área de forma = 87.88 m²

ESC 1:5M



7 N1 ø5.0 C=139

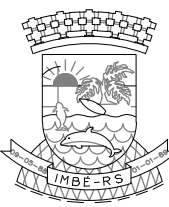


JOSÉ VILMAR P. DE FRAGA
ARQUITETO E URBANISTA

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ENGENHEIRO CIVIL

ANA CAROLINA M. SANTOS
ARQUITETA E URBANISTA

HENRIQUE RODRIGUES DE
AUX. ENGENHARIA CIVIL



ESTADO DO RIO GRANDE DO SUL
PREFEITURA MUNICIPAL DE IMBÉ
AVENIDA PARAGUASSU, 2070 - CENTRO - IMBÉ - RS
FONE: 51.3627.8515 - CEP: 95.625-000

E. M. E. F. RUI BARBOSA
NOVAS INSTALAÇÕES

ADMINISTRAÇÃO
2025/2028

BAIRRO MARILUZ - IMBÉ - RS
AVENIDA MARILUZ, 1180
TERRENO URBANO - SETOR 35

SECRETARIA
MUNICIPAL
DE
EDUCAÇÃO

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ENGENHEIRO CIVIL



ESTRUTURAL
AS DAS VIGAS DA COBERTURA - BLOCO 01 - 03

APRIL 2001

AREA:
2.491,91m²

24/5