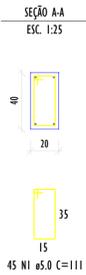
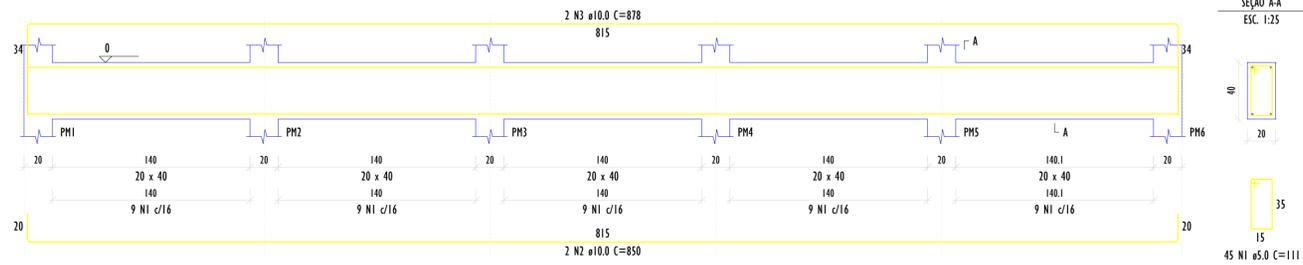
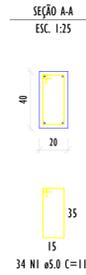
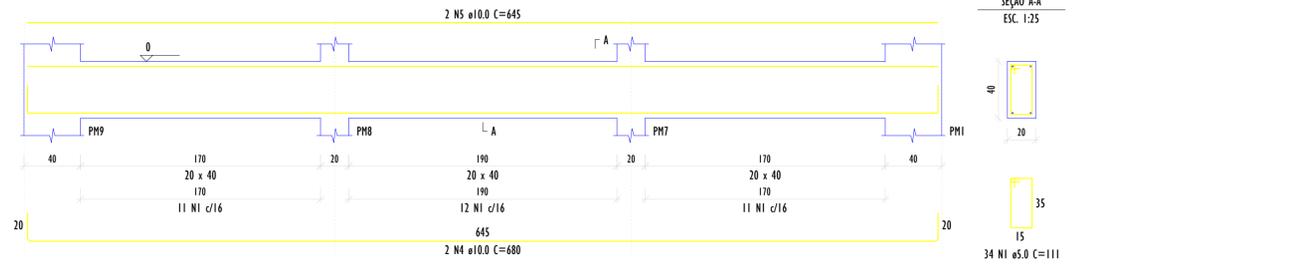


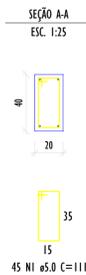
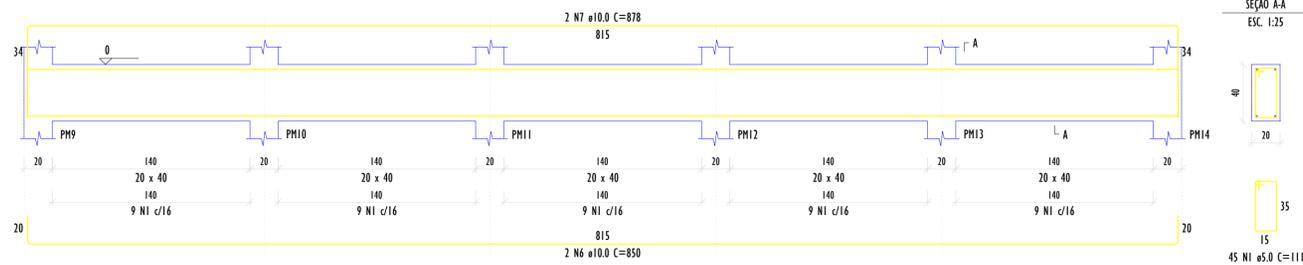
VB1 (20 x 40)
ESC. 1:25



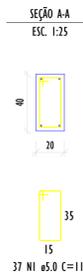
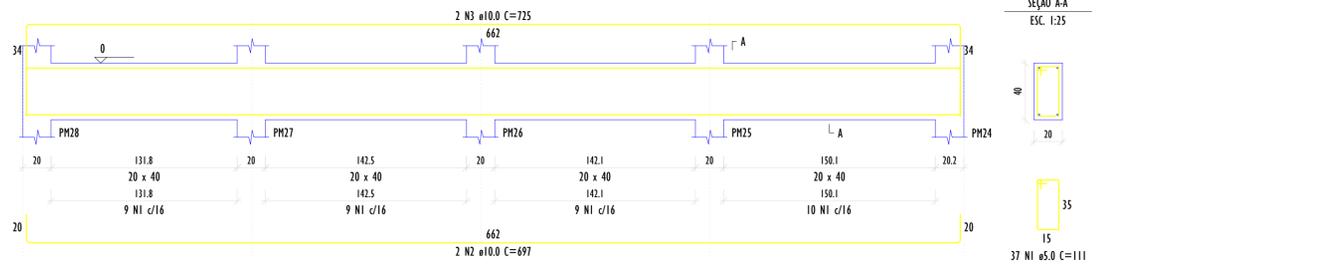
VB2 (20 x 40)
ESC. 1:25



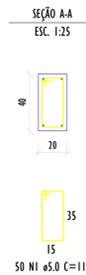
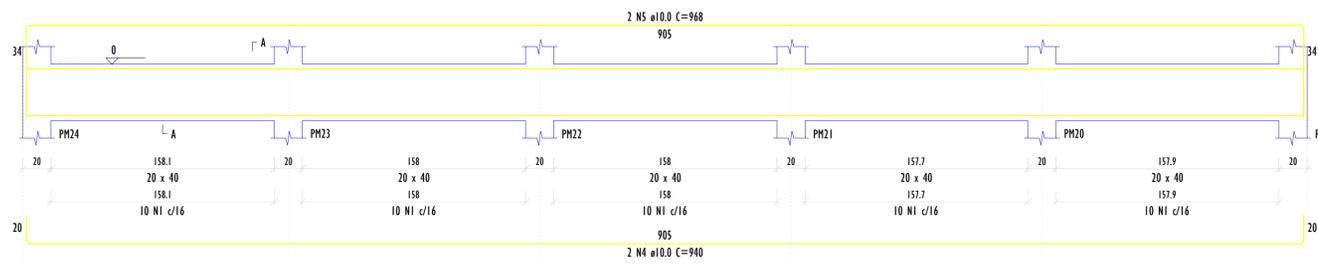
VB3 (20 x 40)
ESC. 1:25



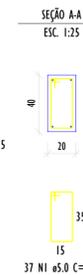
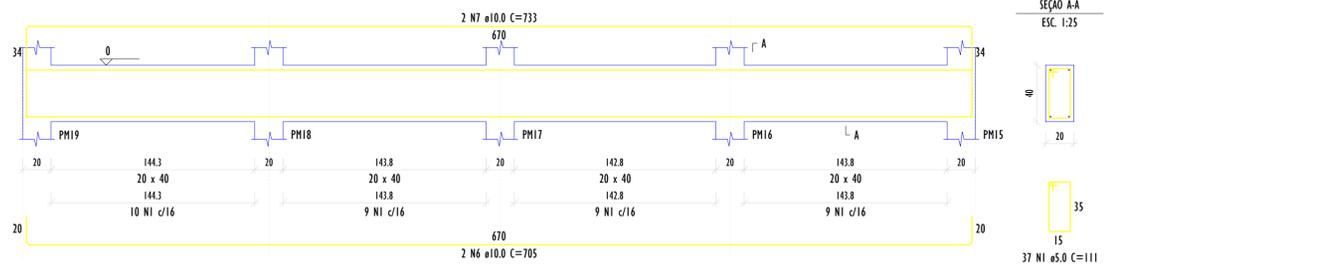
VB4 (20 x 40)
ESC. 1:25



VB5 (20 x 40)
ESC. 1:25



VB6 (20 x 40)
ESC. 1:25



RELAÇÃO DO AÇO

VB1	VB2	VB3			
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CASO	1	5.0	124	111	13764
CASO	2	10.0	2	850	1700
CASO	3	10.0	2	878	1756
CASO	4	10.0	2	680	1360
CASO	5	10.0	2	645	1290
CASO	6	10.0	2	850	1700
CASO	7	10.0	2	878	1756

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	PESO + 0% (kg)
CASO	10.0	95.6	8	59
CASO	5.0	137.6	12	21.2
PESO TOTAL (kg)				59
CASO				21.2

Volume de concreto (C-30) = 1.59 m³
Área de forma = 19.90 m²

RELAÇÃO DO AÇO

VB4	VB5	VB6			
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CASO	1	5.0	124	111	13764
CASO	2	10.0	2	697	1394
CASO	3	10.0	2	725	1450
CASO	4	10.0	2	940	1880
CASO	5	10.0	2	968	1936
CASO	6	10.0	2	705	1410
CASO	7	10.0	2	733	1466

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	PESO + 0% (kg)
CASO	10.0	95.4	8	58.8
CASO	5.0	137.6	12	21.2
PESO TOTAL (kg)				58.8
CASO				21.2

Volume de concreto (C-30) = 1.62 m³
Área de forma = 20.23 m²



ProSen Projetos & Serviços de Engenharia Ltda.



Prefeitura Municipal
Santa Cruz do Escalvado
ESTADO DE MINAS GERAIS
Administração 2025-2028

OBJETO REFORMA E AMPLIAÇÃO DO CENTRO COMUNITÁRIO NA COMUNIDADE DE CHACRINHA	NO OBRERAÇÃO DATA JAN / 26
RESPONSÁVEL TÉCNICO PELO PROJETO Eng. Civil WILSON DIAS DA FONSECA JR.	CREA 61.924 / D
PREF. MUNICIPAL GILMAR DE PAULA LIMA	CPF 697.293.526-15
CONTÉM DETALHES ESTRUTURAIS	INDICAÇÃO Indicadas
LOCALIZAÇÃO Zona Rural de Santa Cruz do Escalvado (MG)	TÓRRE 06/10
PRELIMINAR RECURSOS RENOVA	