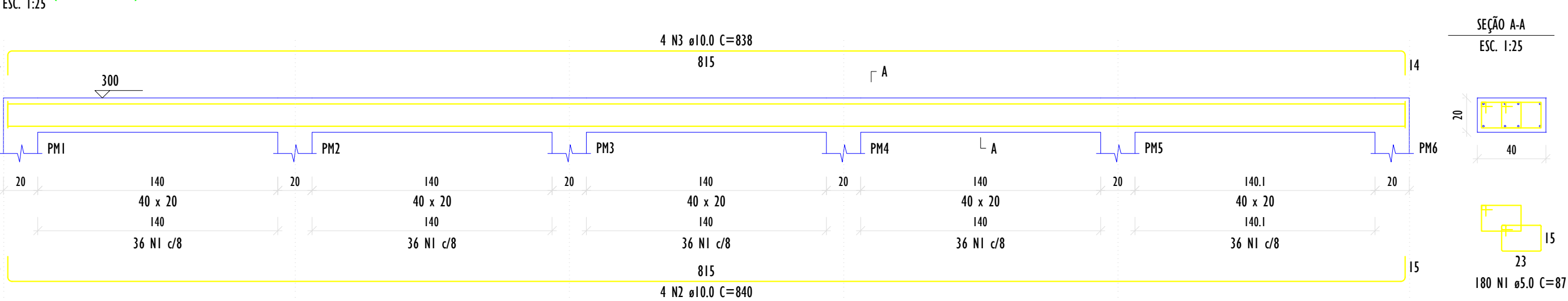
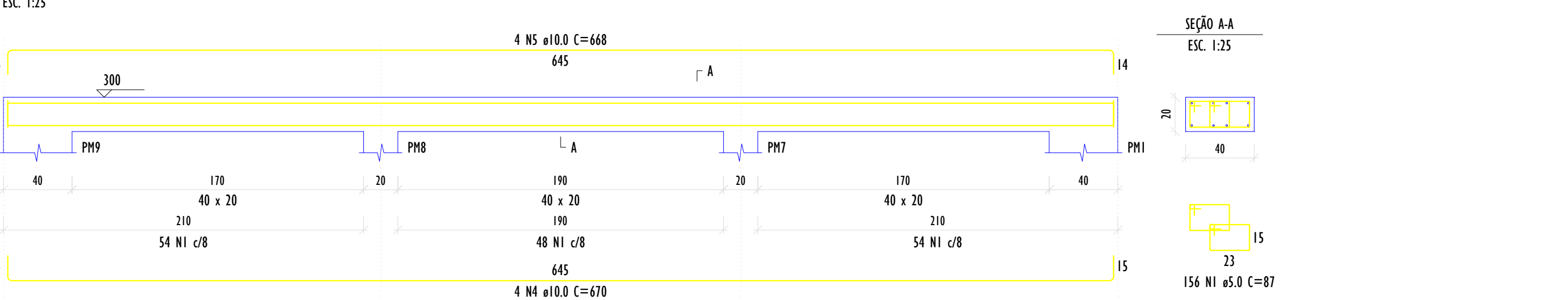


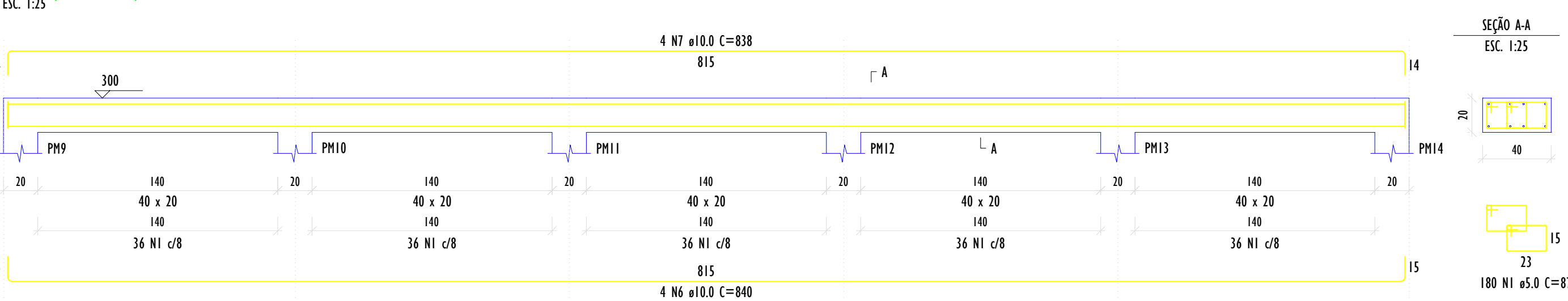
VM1 (40 x 20)



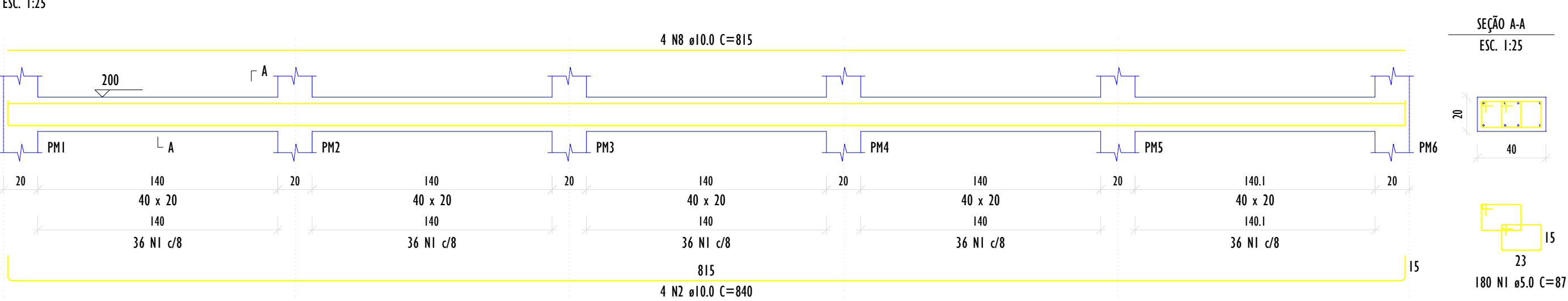
VM2 (40 x 20)



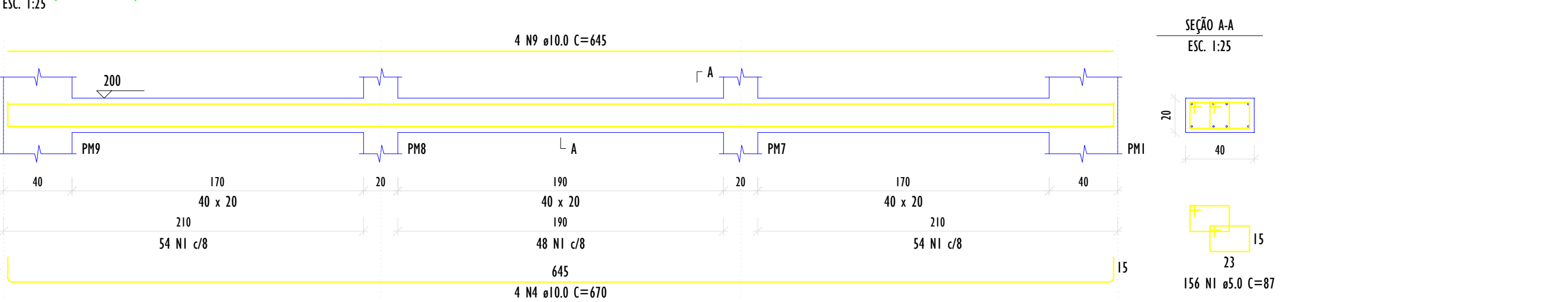
VM3 (40 x 20)



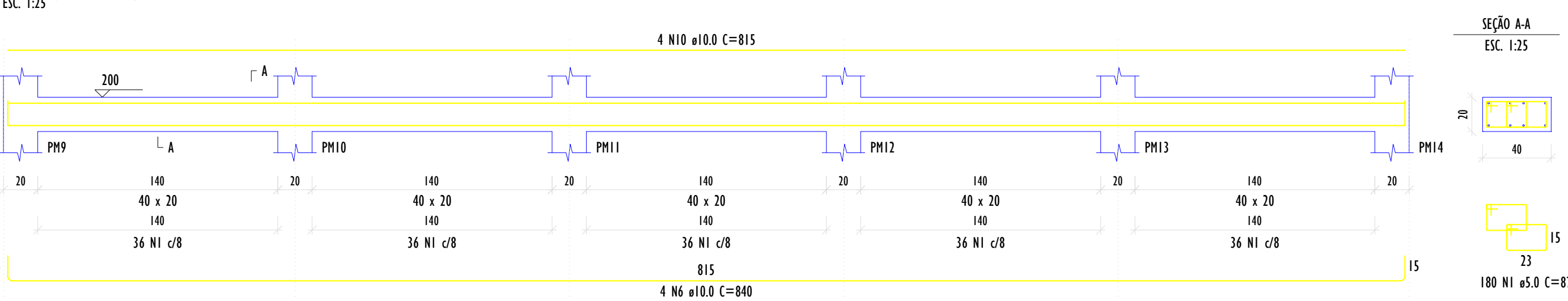
VM7 (40 x 20)



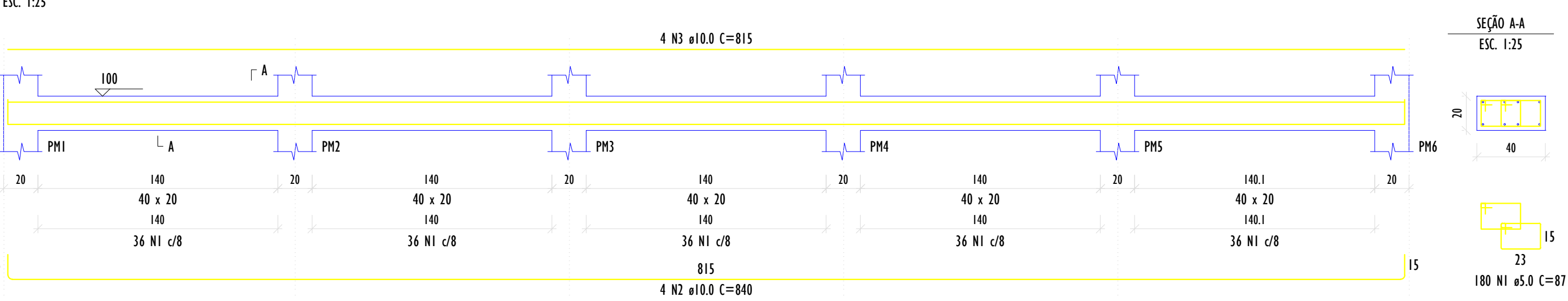
VM8 (40 x 20)



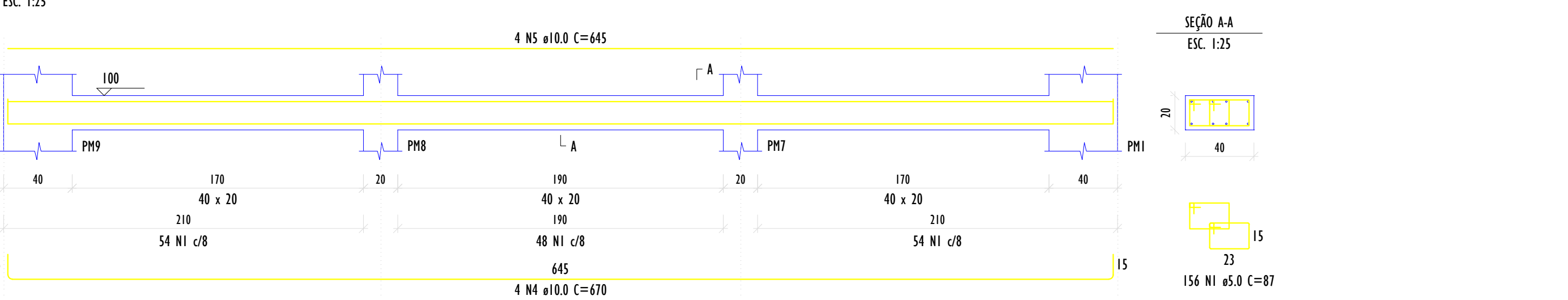
VM9 (40 x 20)



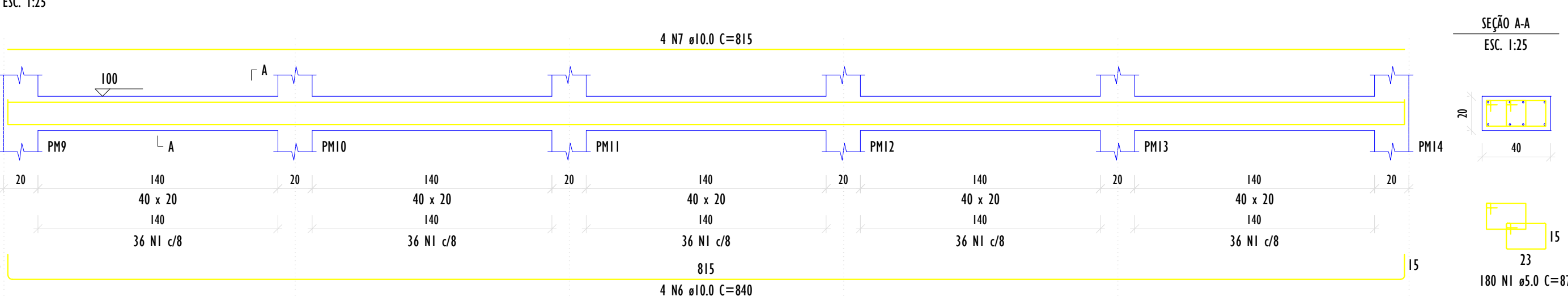
VM13 (40 x 20)



VM14 (40 x 20)



VM15 (40 x 20)



RELAÇÃO DO AÇO

VM13		VM14		VM15	
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	516	87	44892
CASO	2	10.0	4	840	3360
	3	10.0	4	815	3260
	4	10.0	4	670	2680
	5	10.0	4	645	2580
	6	10.0	4	840	3360
	7	10.0	4	815	3260

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	PESO + 0% (kg)
CASO	10.0	185	16	114.1
CA60	5.0	448.9	38	69.2
PESO TOTAL (kg)				
CASO	114.1			
CA60	69.2			

Volume de concreto (C-30) = 1.59 m³
Área de forma = 15.92 m²

RELAÇÃO DO AÇO

VM1 VM7		VM2 VM8		VM3 VM9	
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1032	87	89784
CASO	2	10.0	8	840	6720
	3	10.0	4	838	3352
	4	10.0	8	670	5360
	5	10.0	4	668	2672
	6	10.0	8	840	6720
	7	10.0	4	838	3352
	8	10.0	4	815	3260
	9	10.0	4	645	2580
	10	10.0	4	815	3260

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	PESO + 0% (kg)
CASO	10.0	372.8	32	229.8
CA60	5.0	897.8	75	138.4
PESO TOTAL (kg)				
CASO	229.8			
CA60	138.4			

Volume de concreto (C-30) = 3.18 m³
Área de forma = 31.84 m²



ProSen



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

OBJETO

REFORMA E AMPLIAÇÃO DO CENTRO COMUNITÁRIO NA COMUNIDADE DE CHACRINHA

RESPONSÁVEL TÉCNICO PELO PROJETO

Eng. Civil WILSON DIAS DA FONSECA JR.

PREFETO MUNICIPAL

GILMAR DE PAULA LIMA

CONTEÚ

DETALHES ESTRUTURAIS

LOCALIZAÇÃO

Zona Rural de Santa Cruz do Escalvado (MG)

PROGRAMA

RECURSOS RENOVA

NO OPERAÇÃO

DATA

JAN / 26

CREA

61.924 / D

CPF

697.293.526-15

ESCALA

Indicadas

FOLHA

08/10