

VIGA BALDRAME

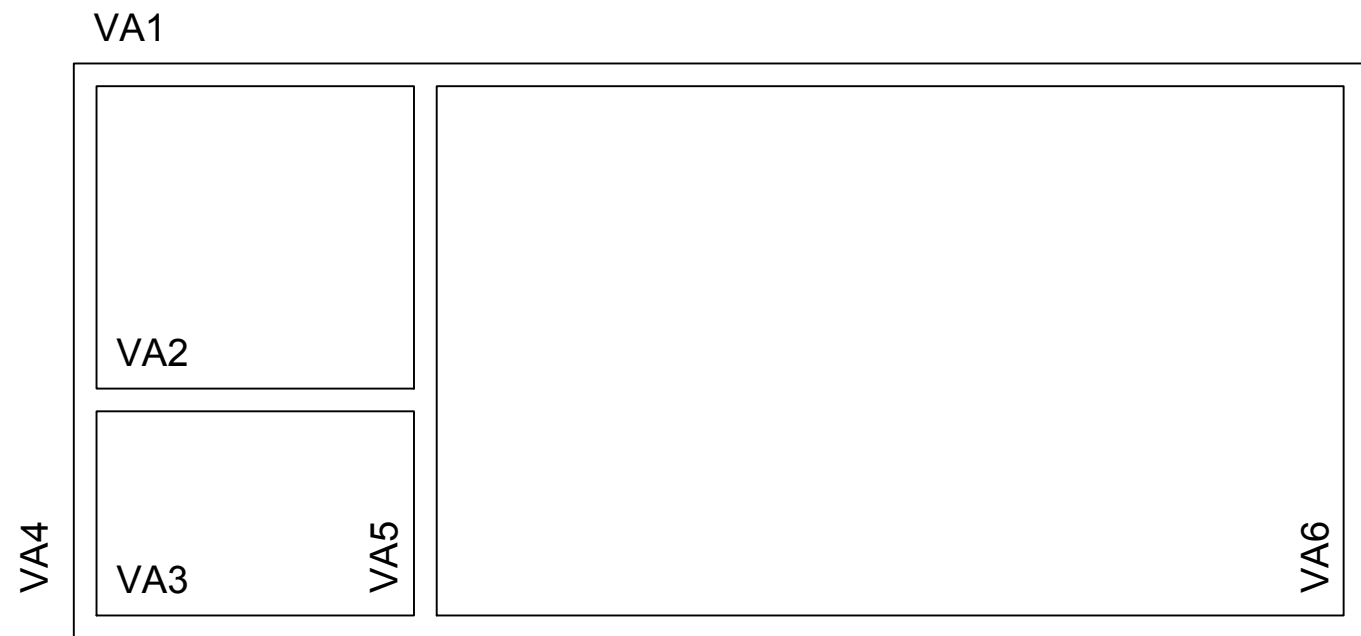


Relação do aço

VIGA BALDRAME					
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA50	1	10.0	4	895	3580
	2	10.0	4	855	3420
	3	10.0	2	290	580
	4	10.0	2	250	500
	5	10.0	6	420	2520
	6	10.0	6	380	2280
CA60	7	5.0	644	84	54096

Volume de concreto (C-25) = 1,39 m³
Área de forma = 18,54 m²

VIGA DE AMARRAÇÃO

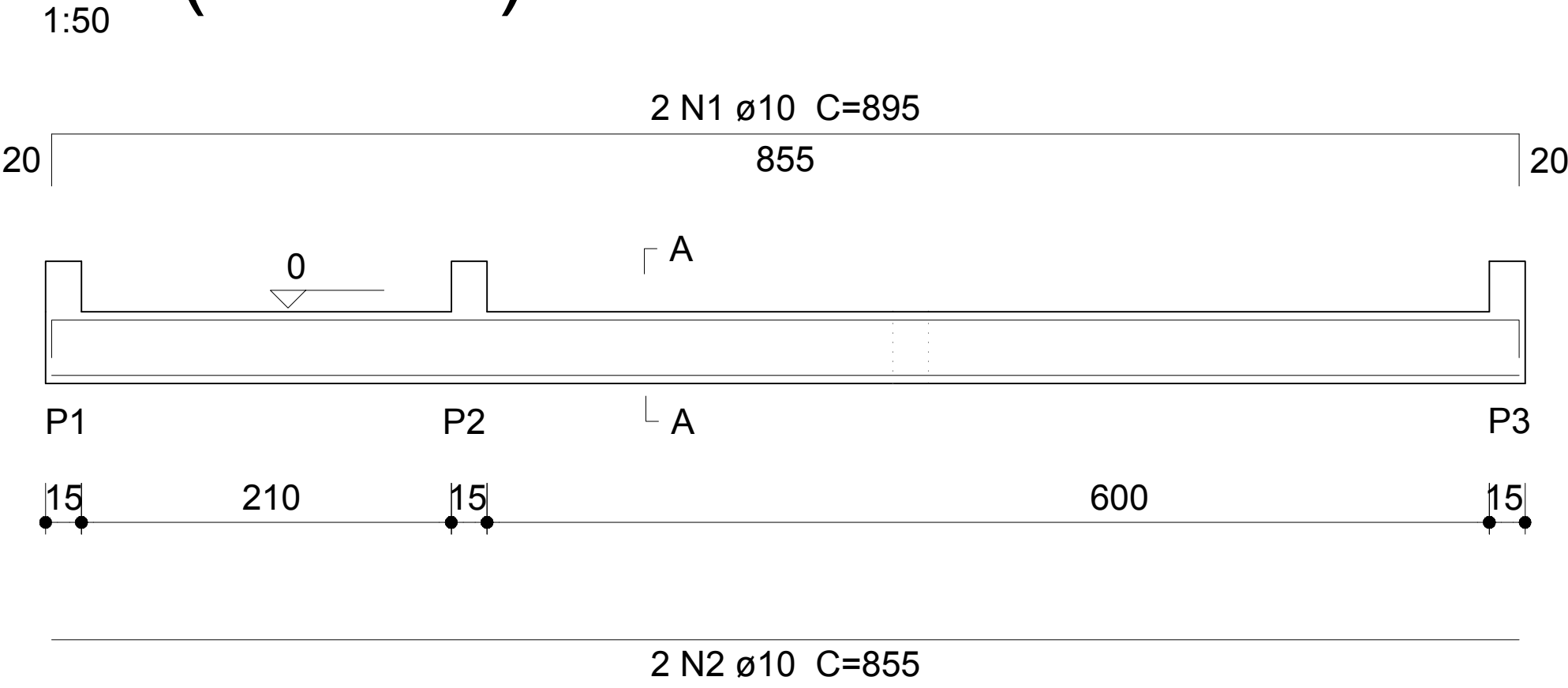


Relação do aço

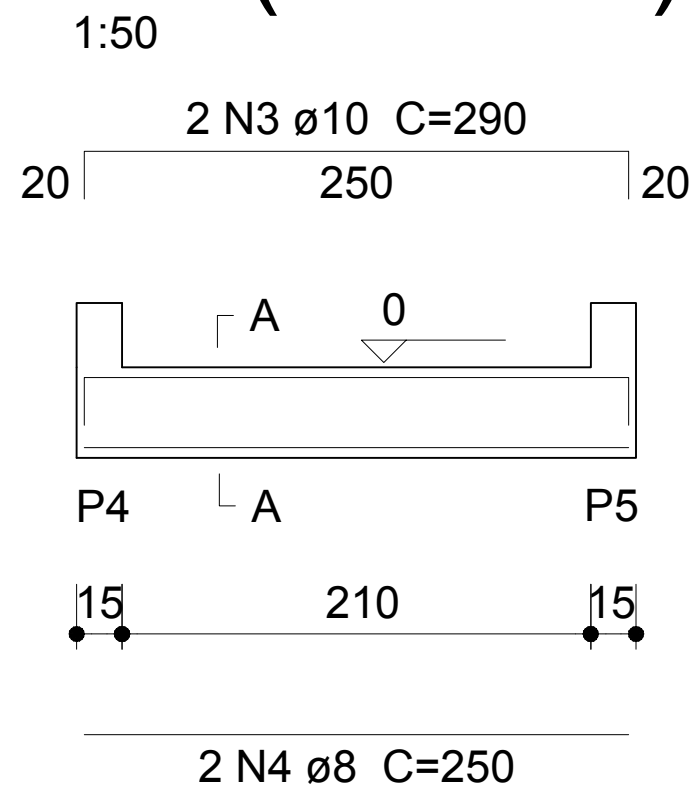
VIGA AMARRAÇÃO					
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA50	10	8.0	4	875	3500
	11	8.0	4	855	3420
	12	8.0	2	270	540
	13	8.0	2	250	500
	14	8.0	6	400	2400
	15	8.0	6	380	2280
CA60	16	5.0	644	84	54096

Volume de concreto (C-25) = 0,92 m³
Área de forma = 12,36 m²

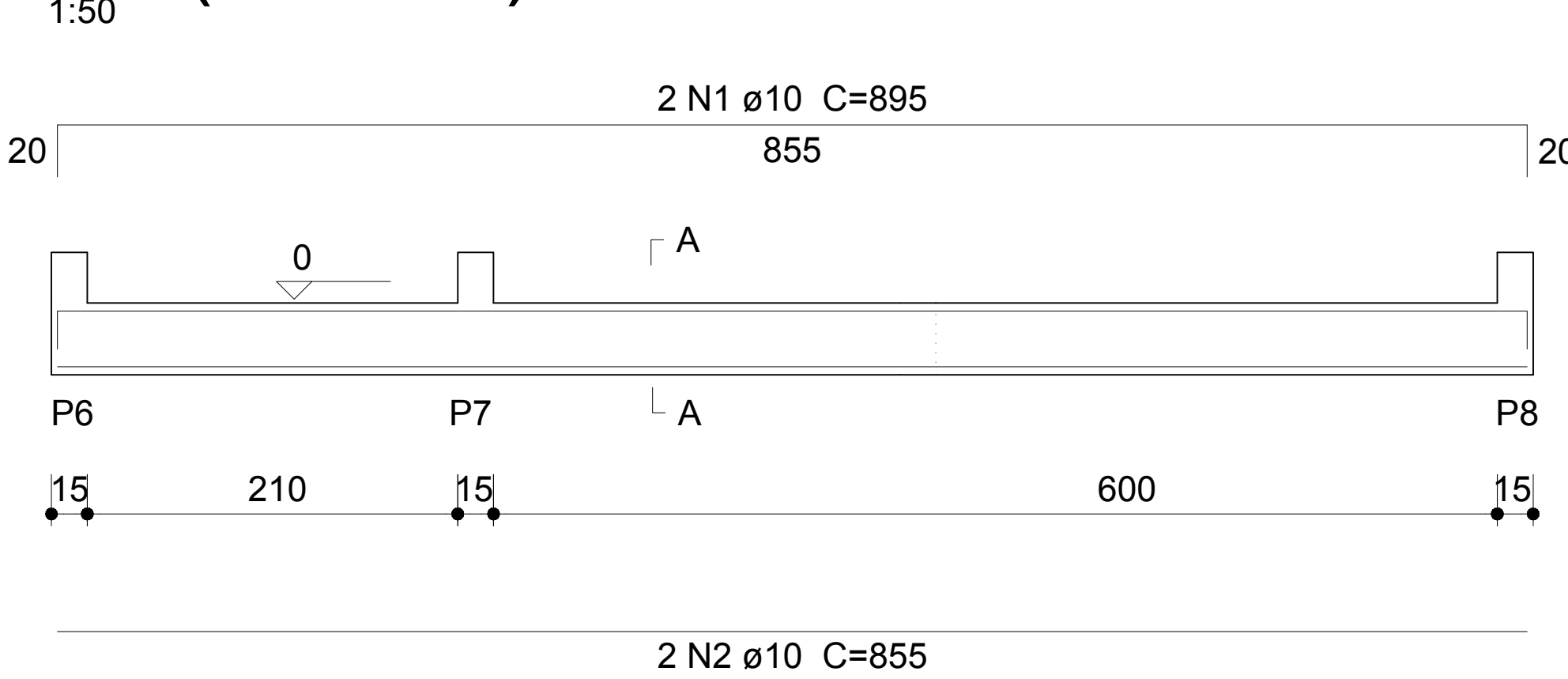
V1 (15 x 30)



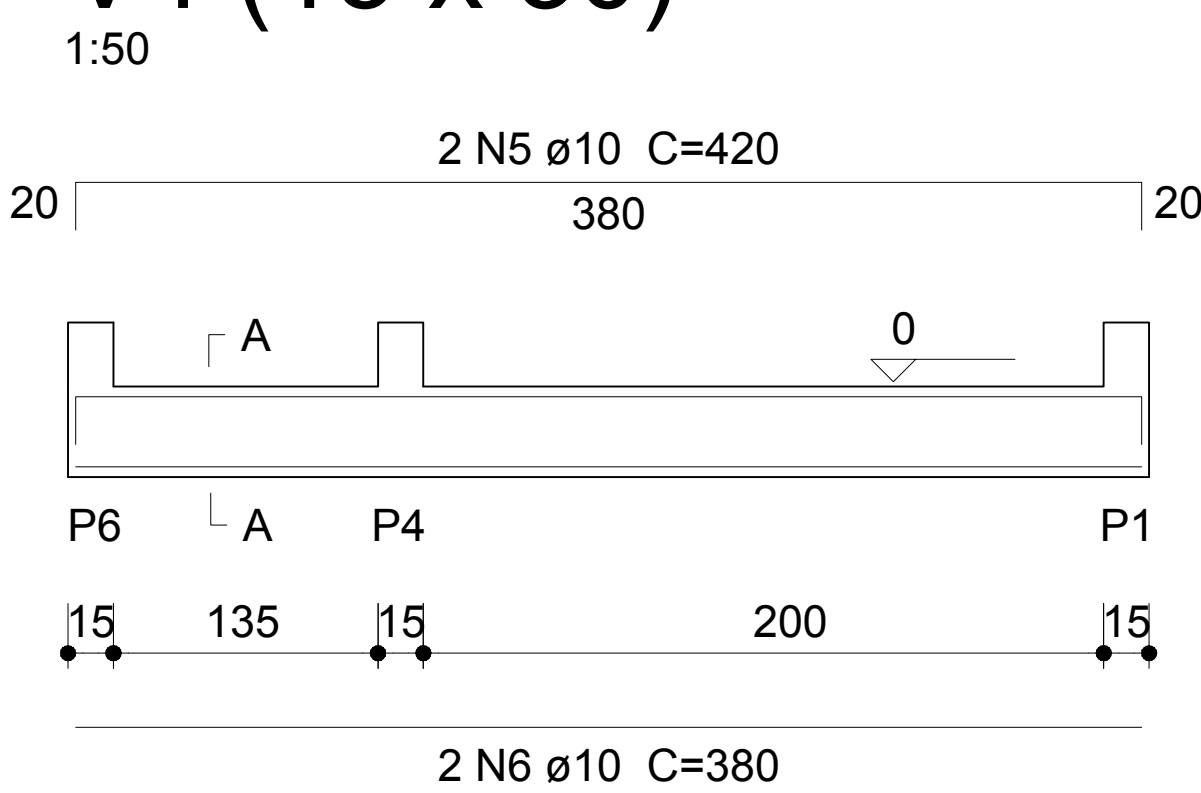
V2 (15 x 30)



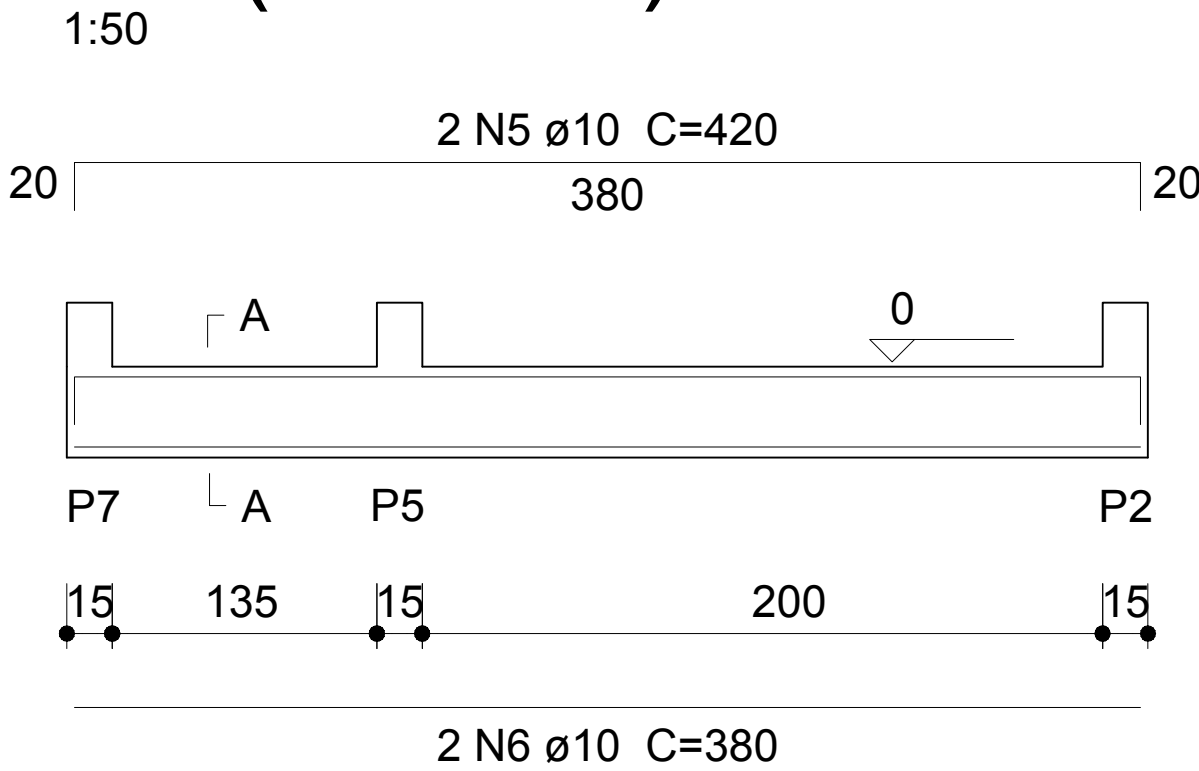
V3 (15 x 30)



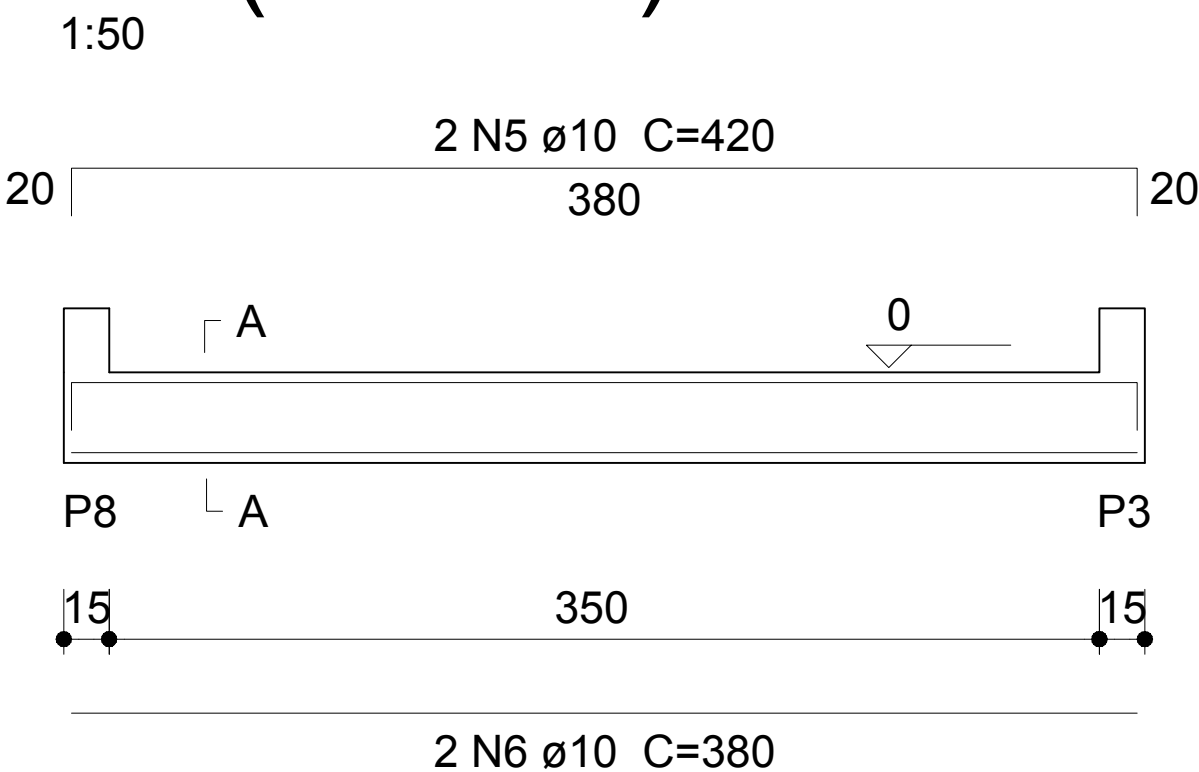
V4 (15 x 30)



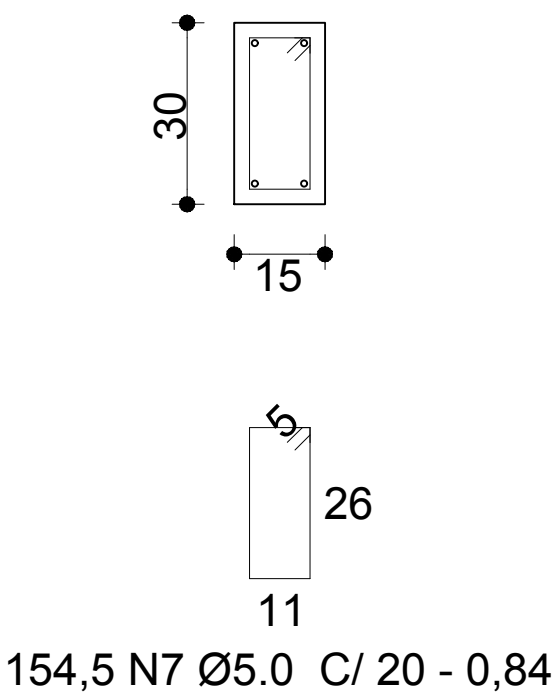
V5 (15 x 30)



V6 (15 x 30)



SEÇÃO A-A
ESC 1:25

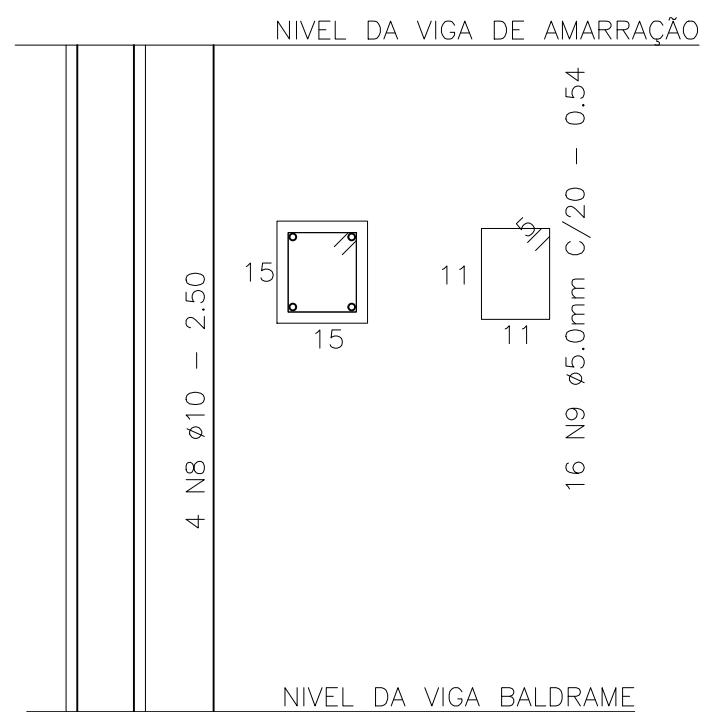


PILARES

DETALHE DOS PILARES

SEM ESCALA

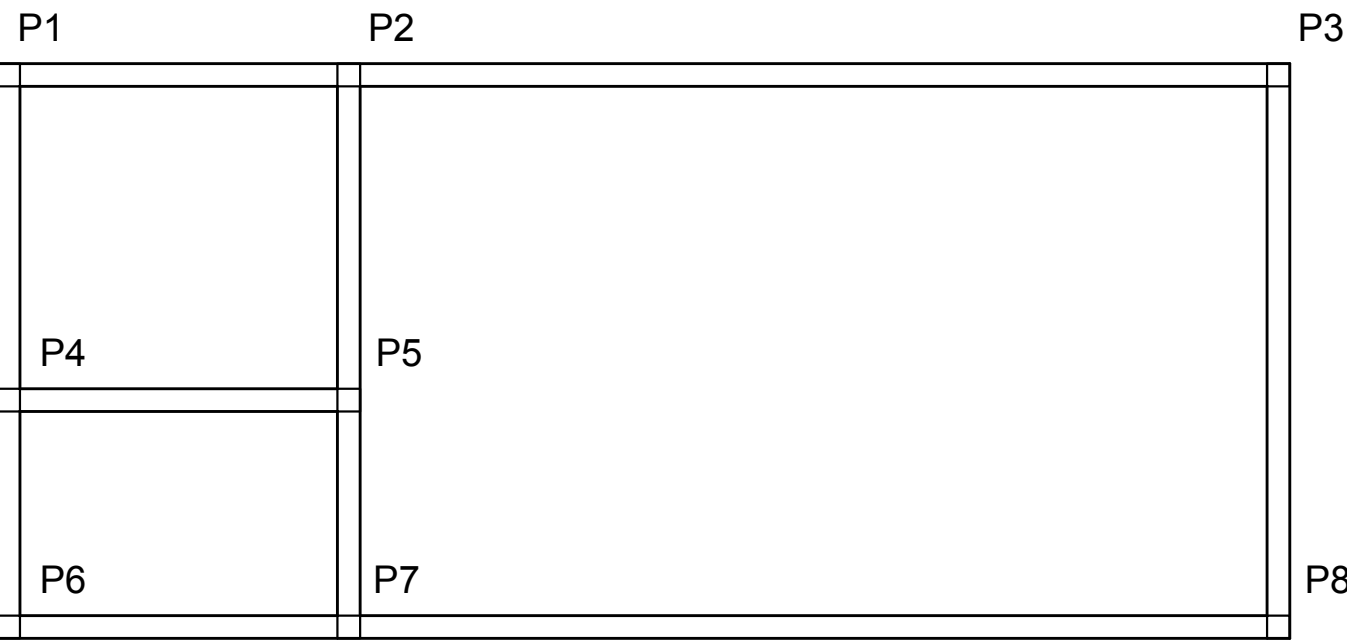
PILARES DE 15x15



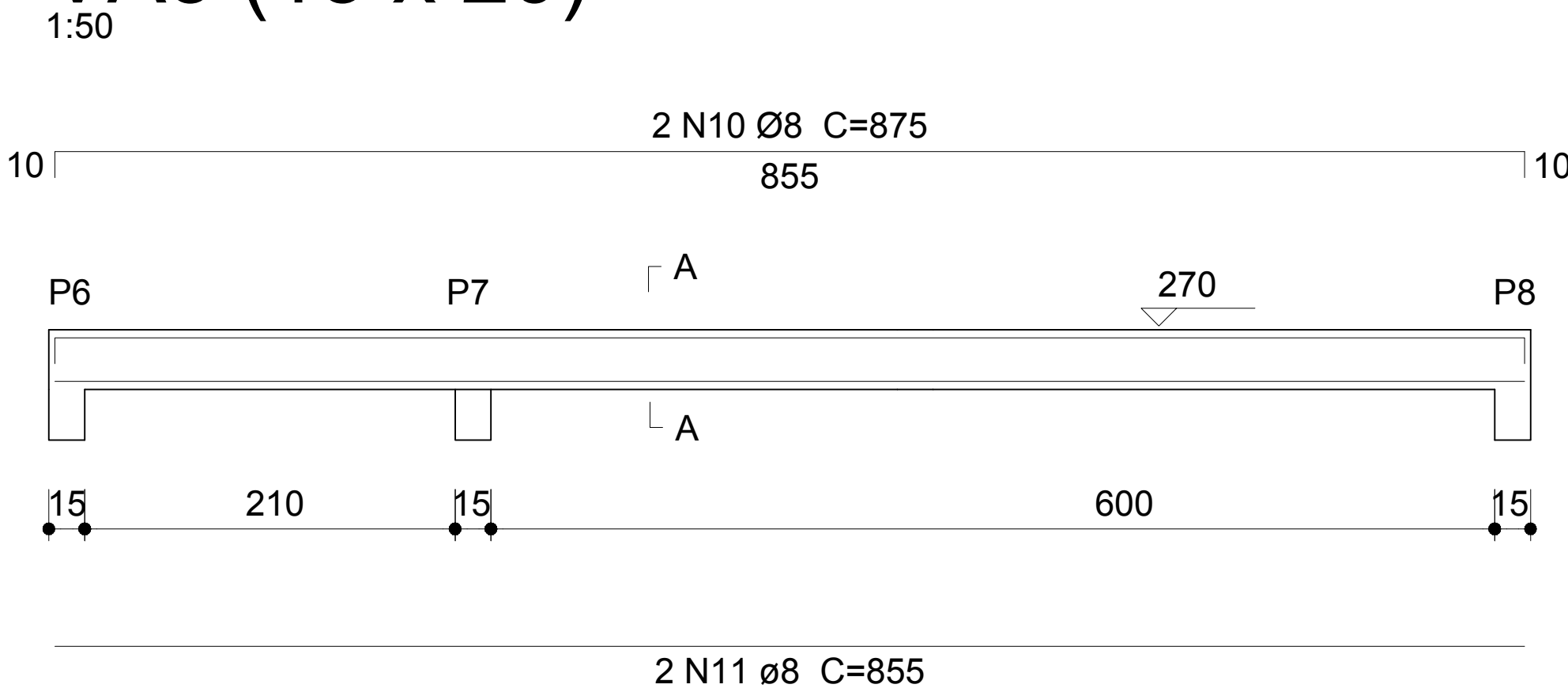
Relação do aço

PILAR	AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA50	CA50	8	10.0	32	250	80
		9	5.0	128	54	6912

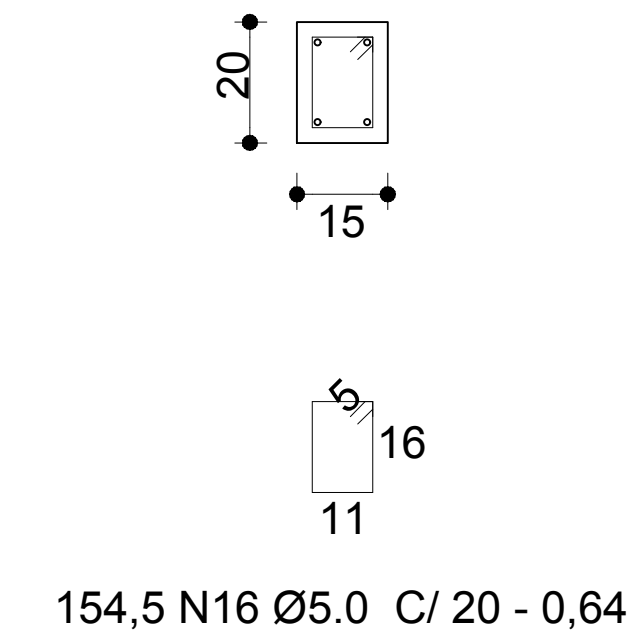
Volume de concreto (C-25) = 0.3 m³
Área de forma = 12 m²



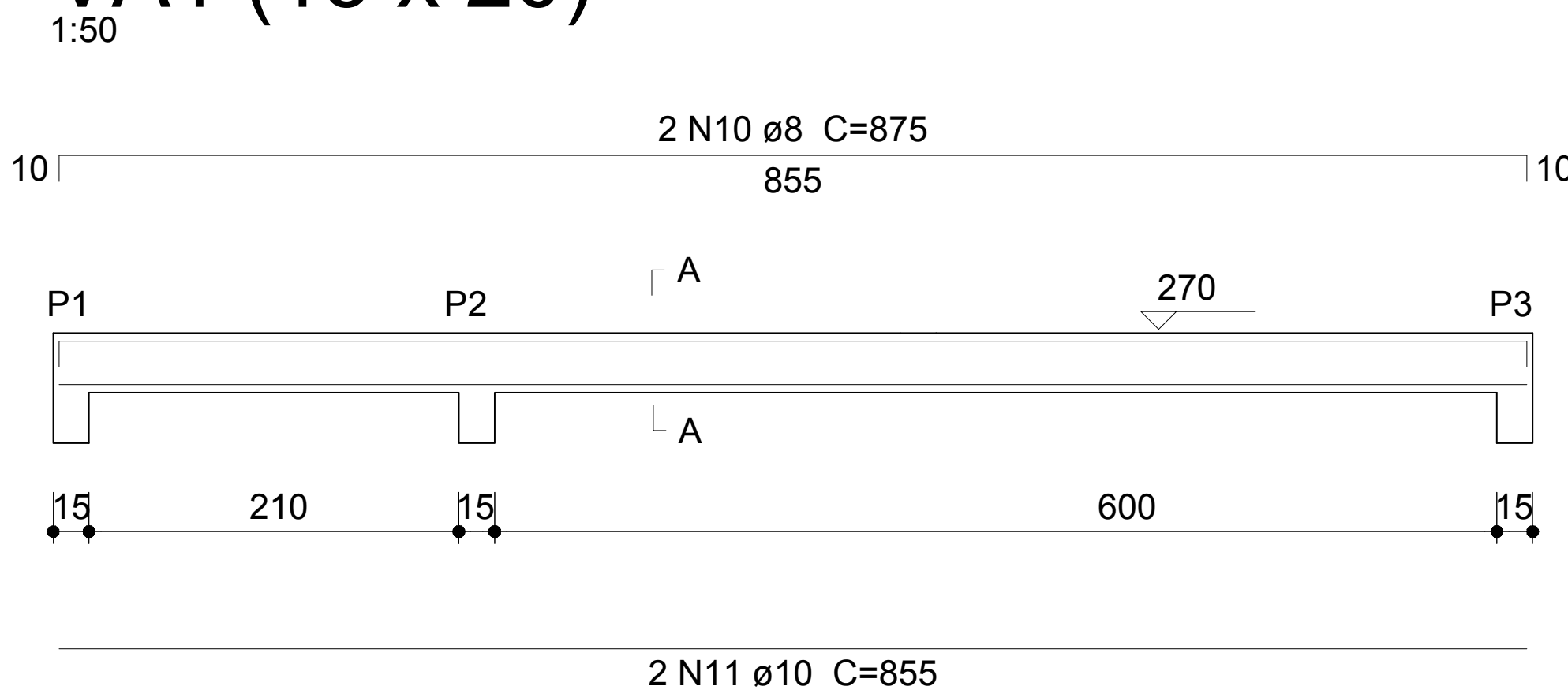
VA3 (15 x 20)



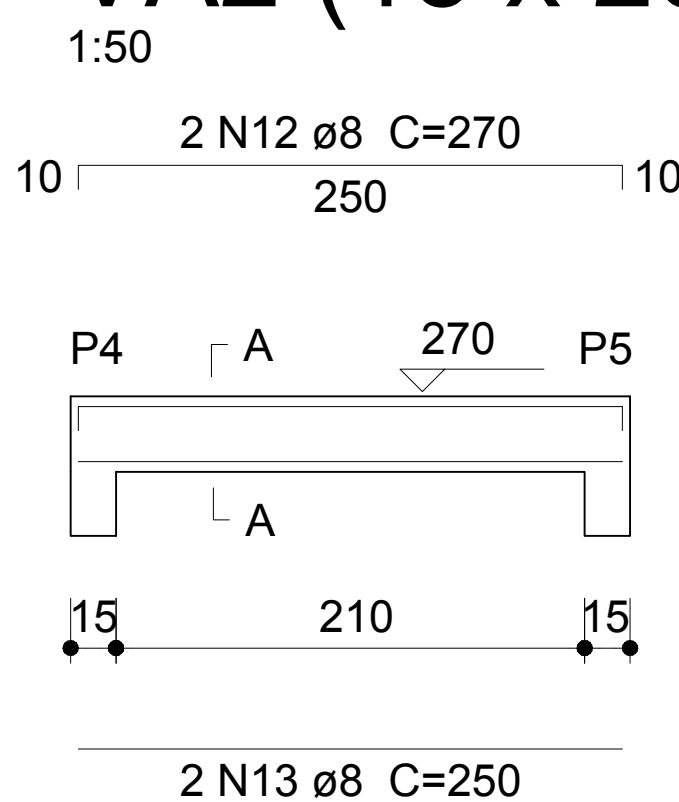
VIGA DE AMARRAÇÃO



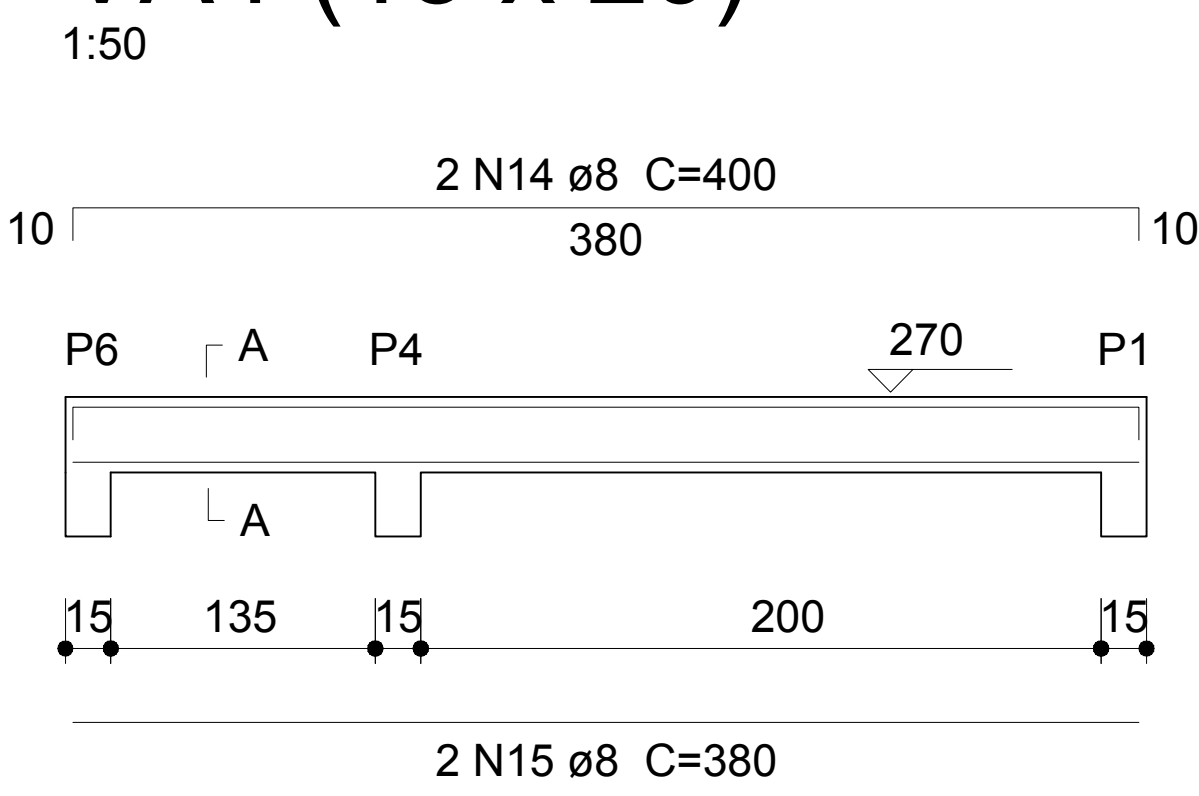
VA1 (15 x 20)



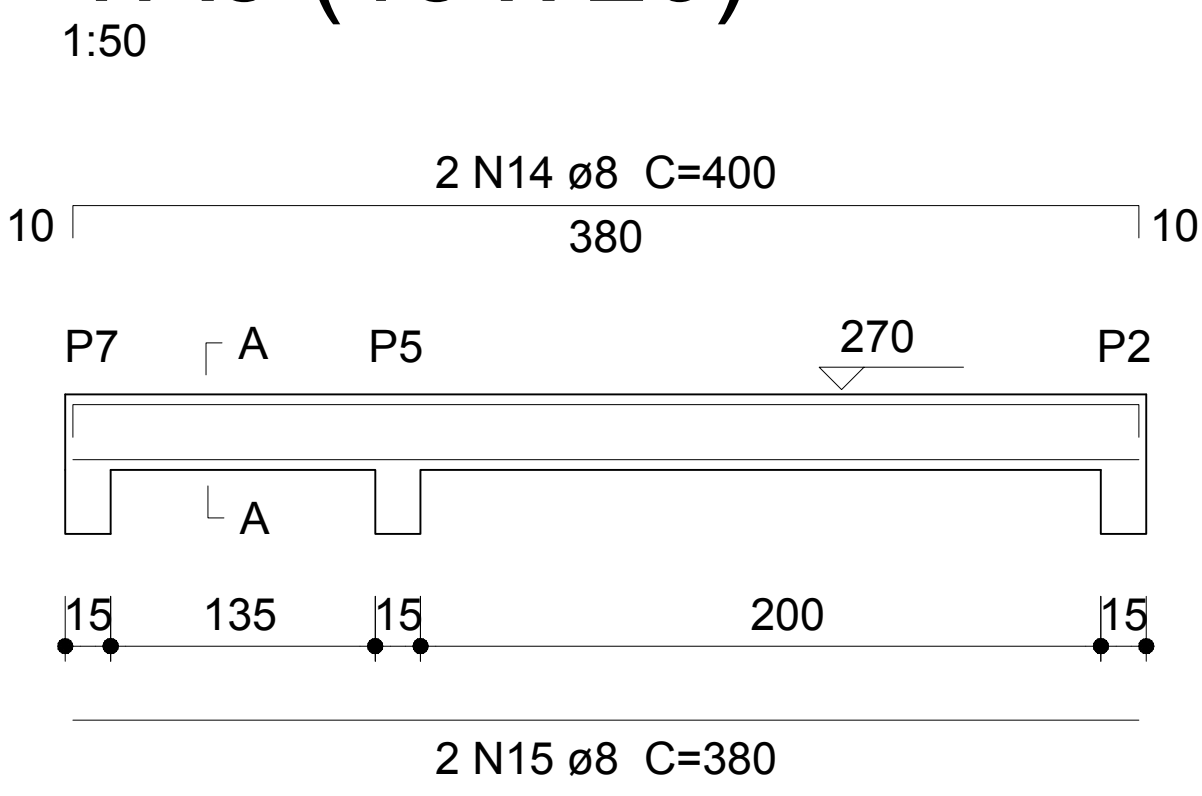
VA2 (15 x 20)



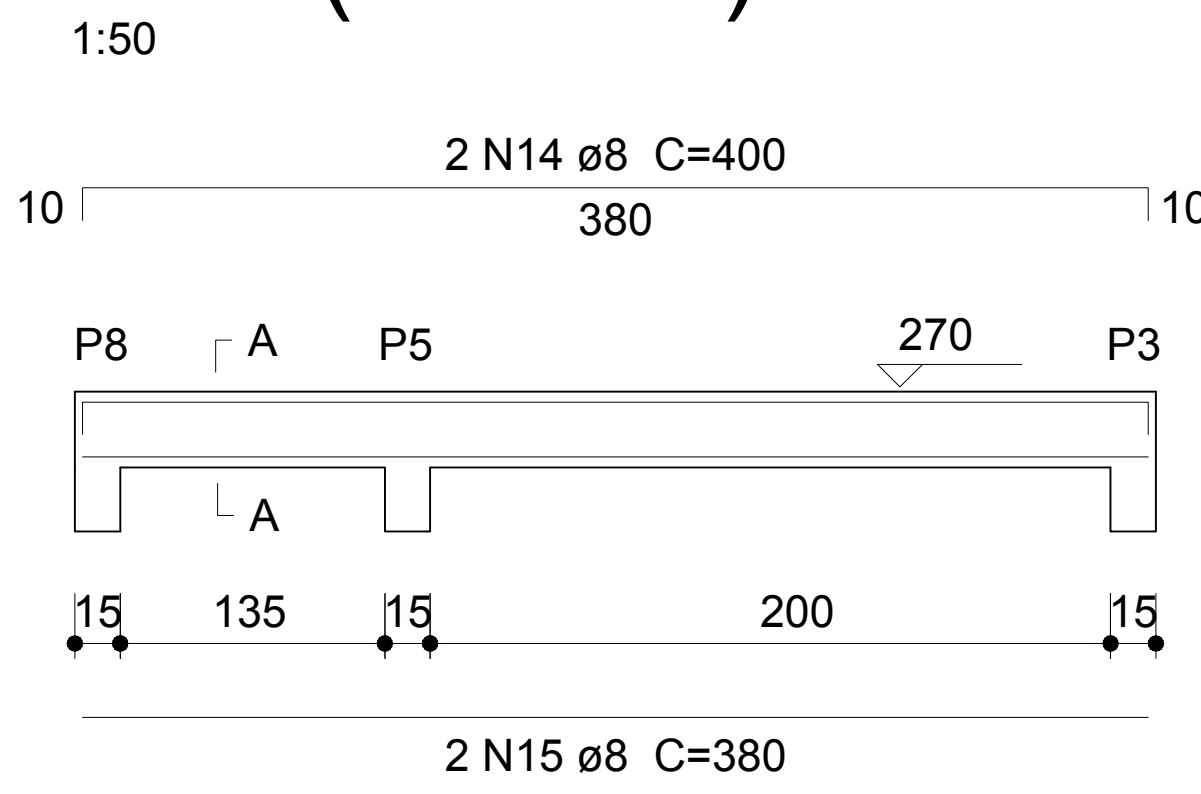
VA4 (15 x 20)




VA5 (15 x 20)



VA6 (15 x 20)



	PODER EXECUTIVO MUNICIPAL BALNEÁRIO PINHAL		PREFEITA MARCIA ROSANE TEDESCO DE OLIVEIRA					
	DEPARTAMENTO MUNICIPAL DE PLANEJAMENTO		SECRETARIA DE EDUCAÇÃO FABIANE SILVEIRA DA FONSECA RODRIGUES					
	PROJETO GARAGEM - EDUCAÇÃO Local: Rua Almeida Luiz Horn (Ala Sul) - Setor 151 Balneário Pinhal Sede - Balneário Pinhal/RS		EQUIPE TÉCNICA Engº Civil RAUL D. MAGGI_CREA 172.453					
	CONTEÚDO DETALHAMENTO ESTRUTURAL		Arq. Uib: FABRICIO DEVES_CAU A147858/3					
Escala:	1/50	Data:	Novembro 2021	Área:	32,49 m²	Prancha:	03	Anderson Deves da Silveira - Desenho