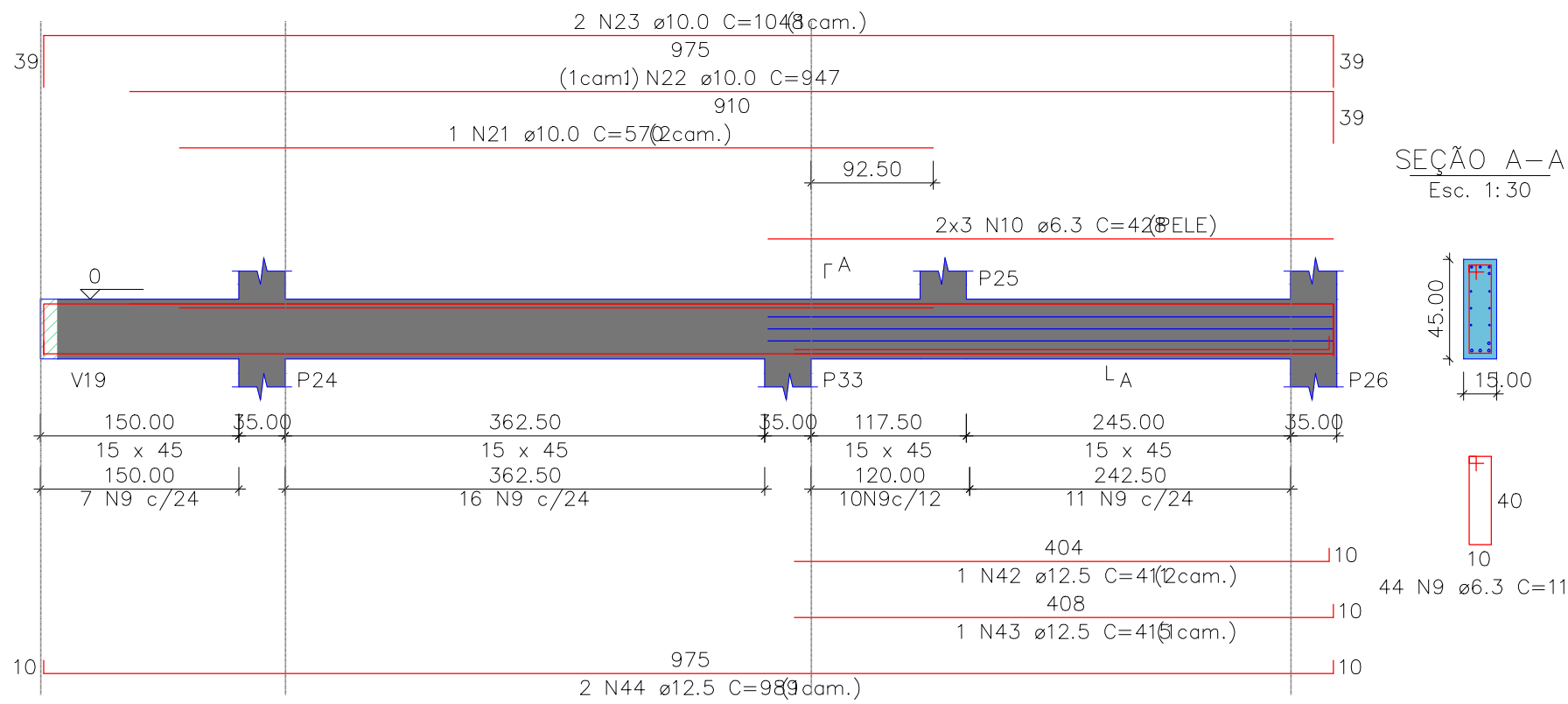
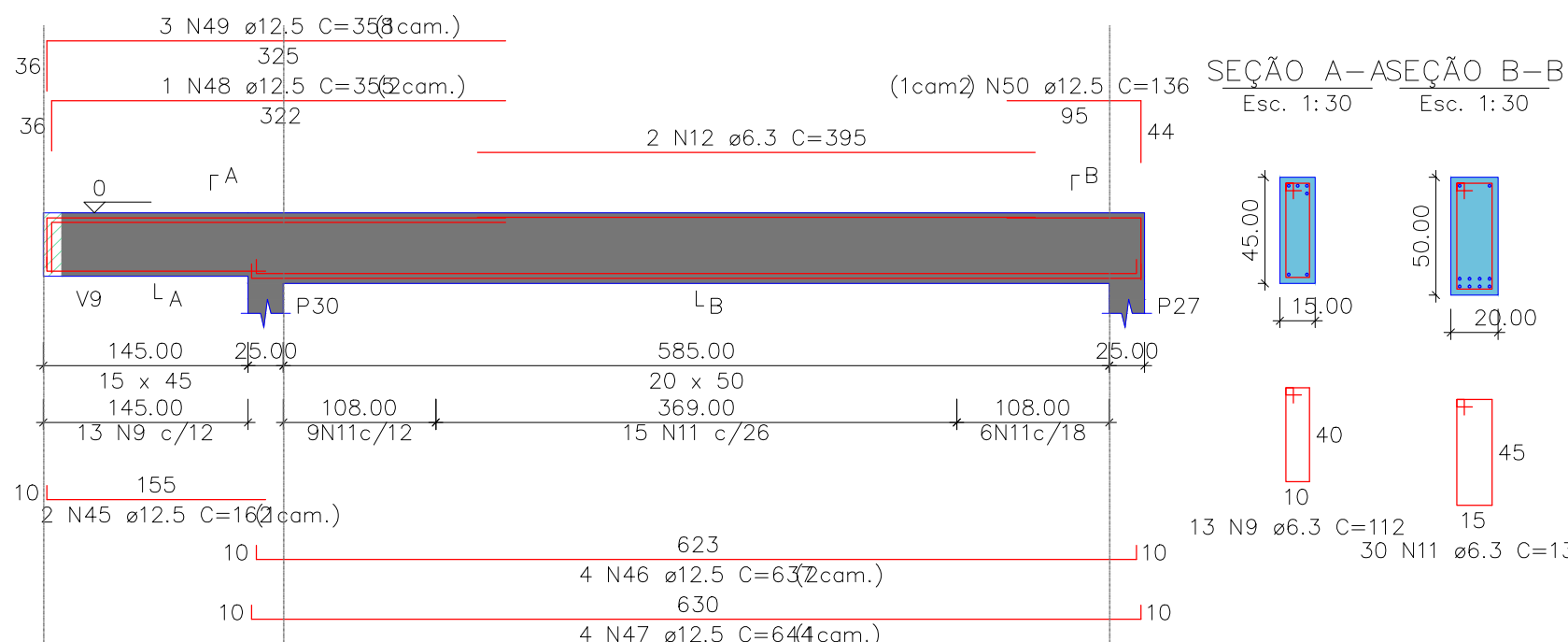


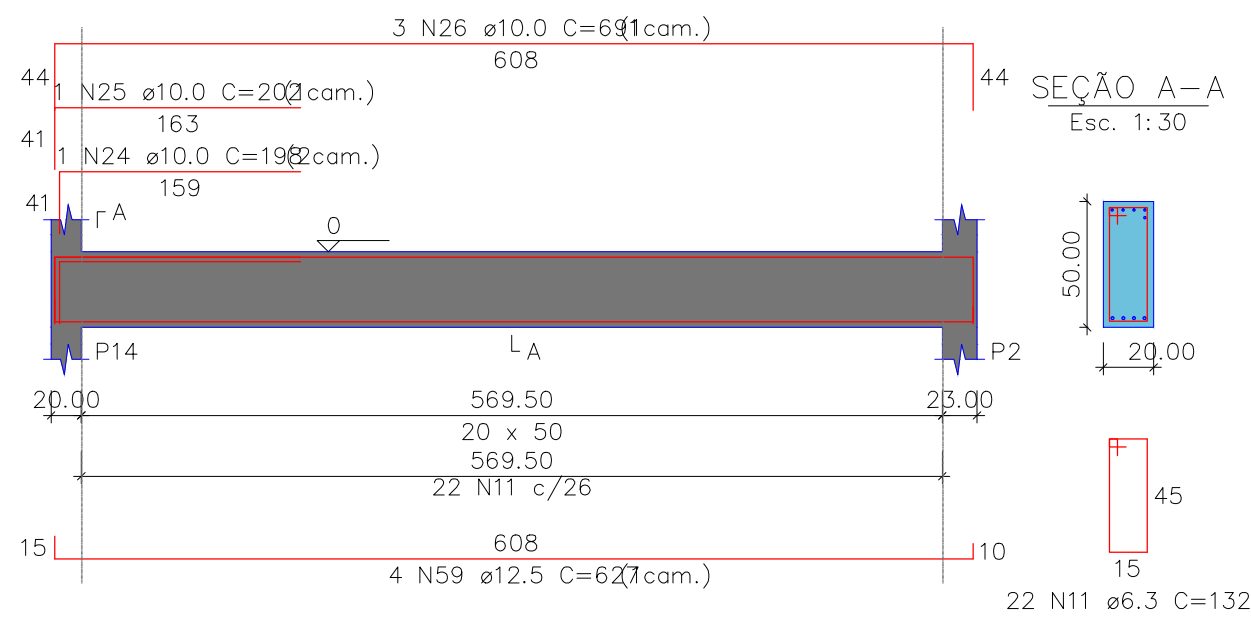
V11. (15 x 45)
Esc. 1:50



V14. (var)
Esc. 1:50



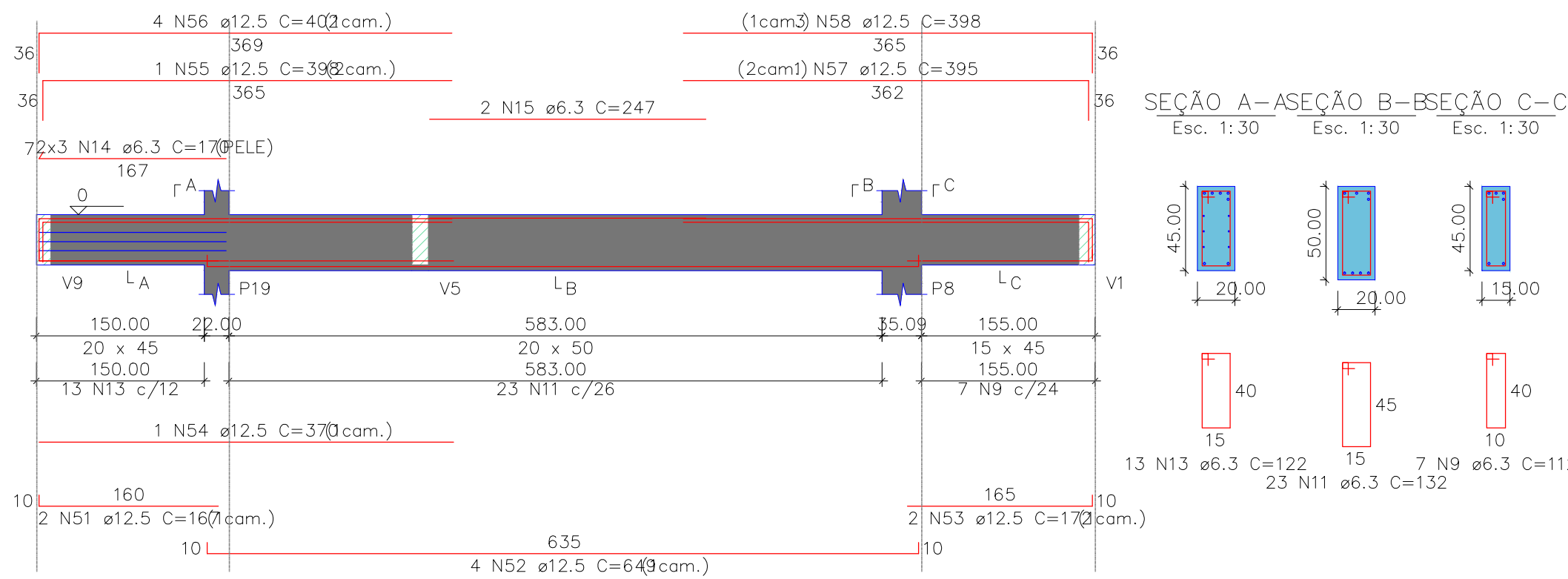
V16. (20 x 50)
Esc. 1:50



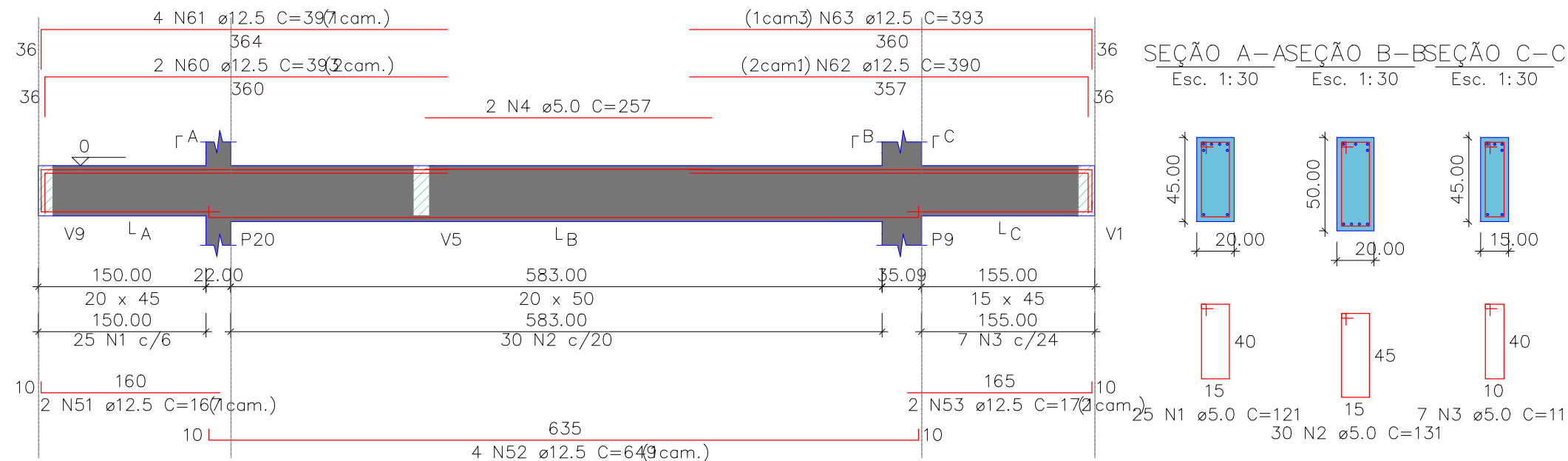
RESUMO DO AÇO				
AÇO	DIAM (mm)	C. TOTAL (m)	QUANT + 10% (Barros)	PESO + 10% (kg)
CA50	6.3	435	40	117.1
	8.0	33.7	4	14.6
	10.0	236.9	22	160.6
CA60	5.0	464.7	43	492.4
	12.5	196	1	33.2
PESO TOTAL (kg)				784.7
CA50				33.2
CA60				33.2

Volume de concreto (C=25) = 8.27 m³
Área de forma = 113.13 m²

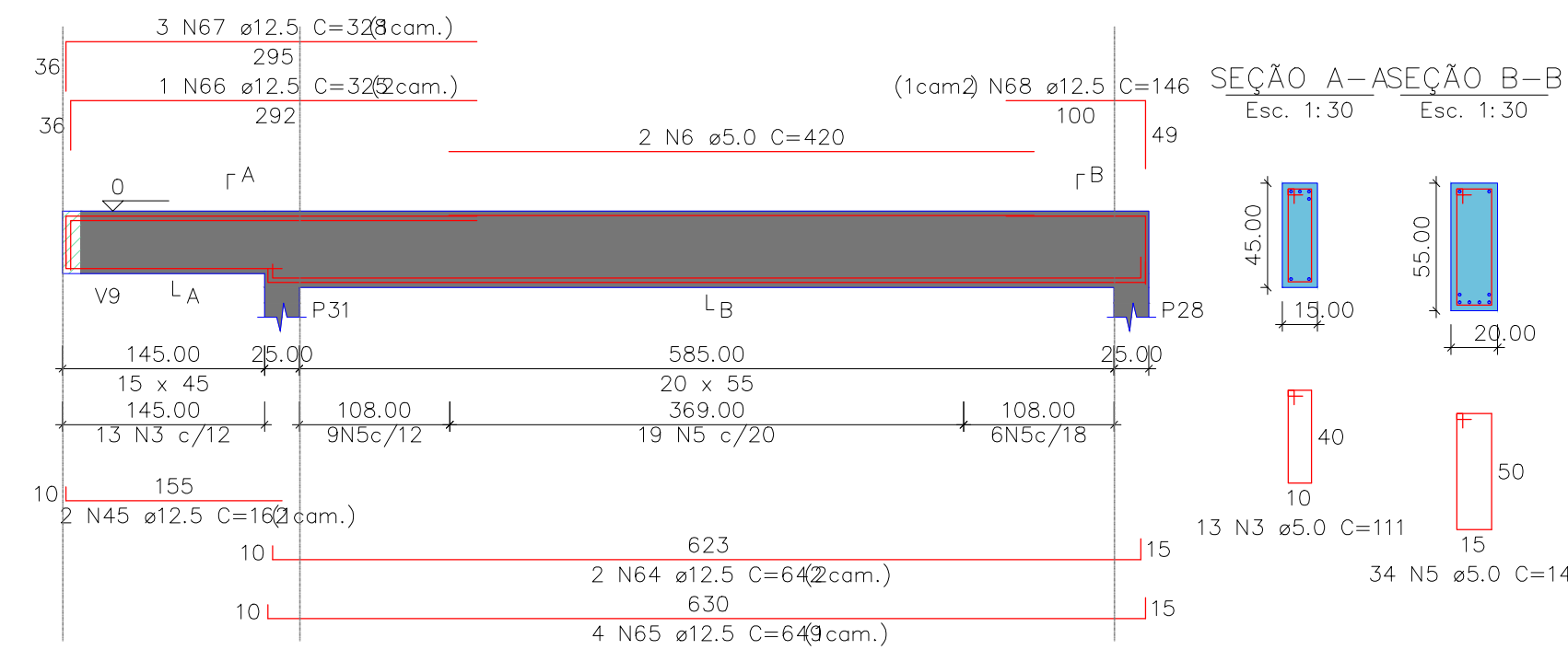
V15. (var)
Esc. 1:50



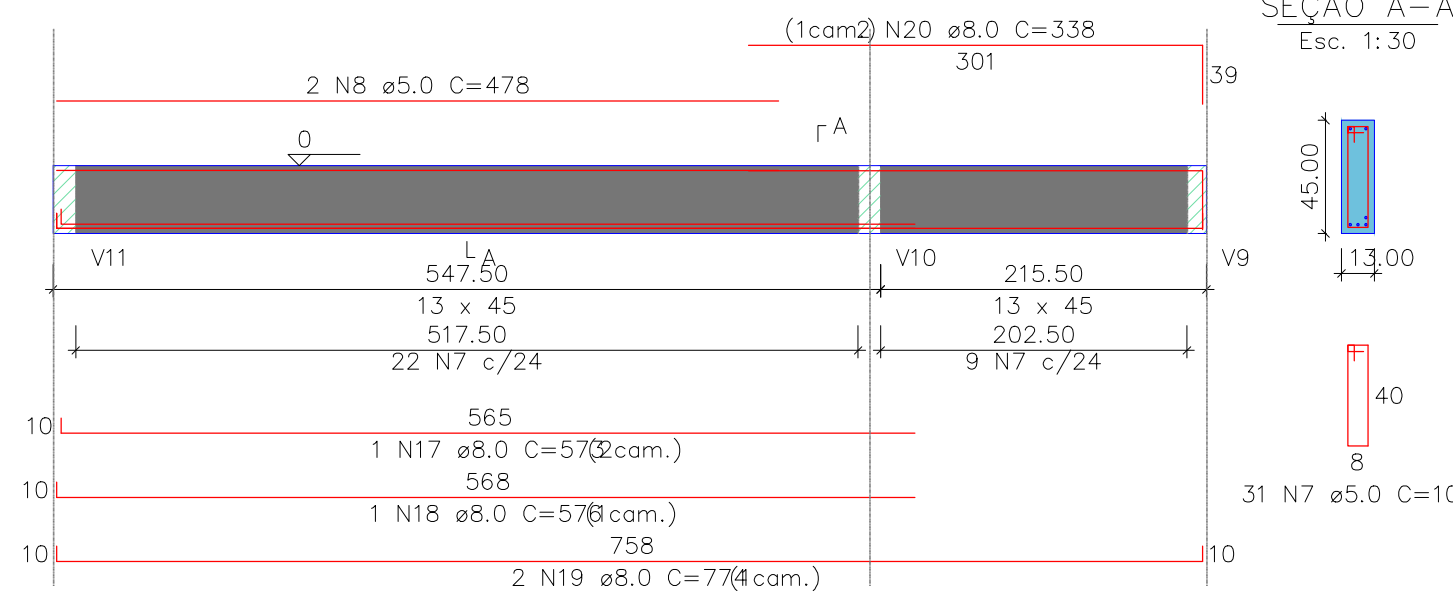
V17. (var)
Esc. 1:50



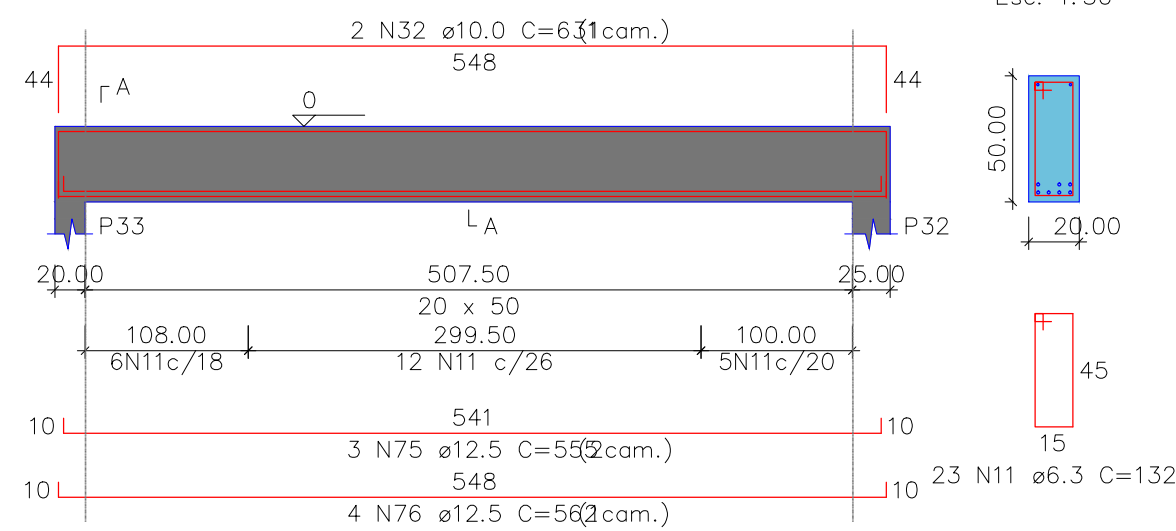
V18. (var)
Esc. 1:50



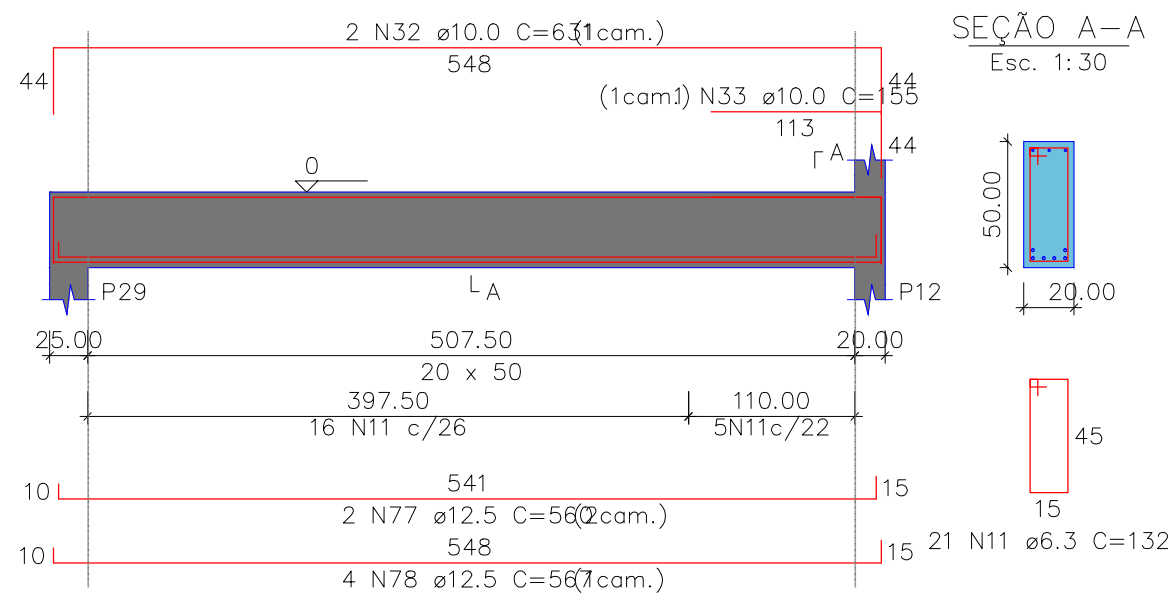
V19. (13 x 45)
Esc. 1:50



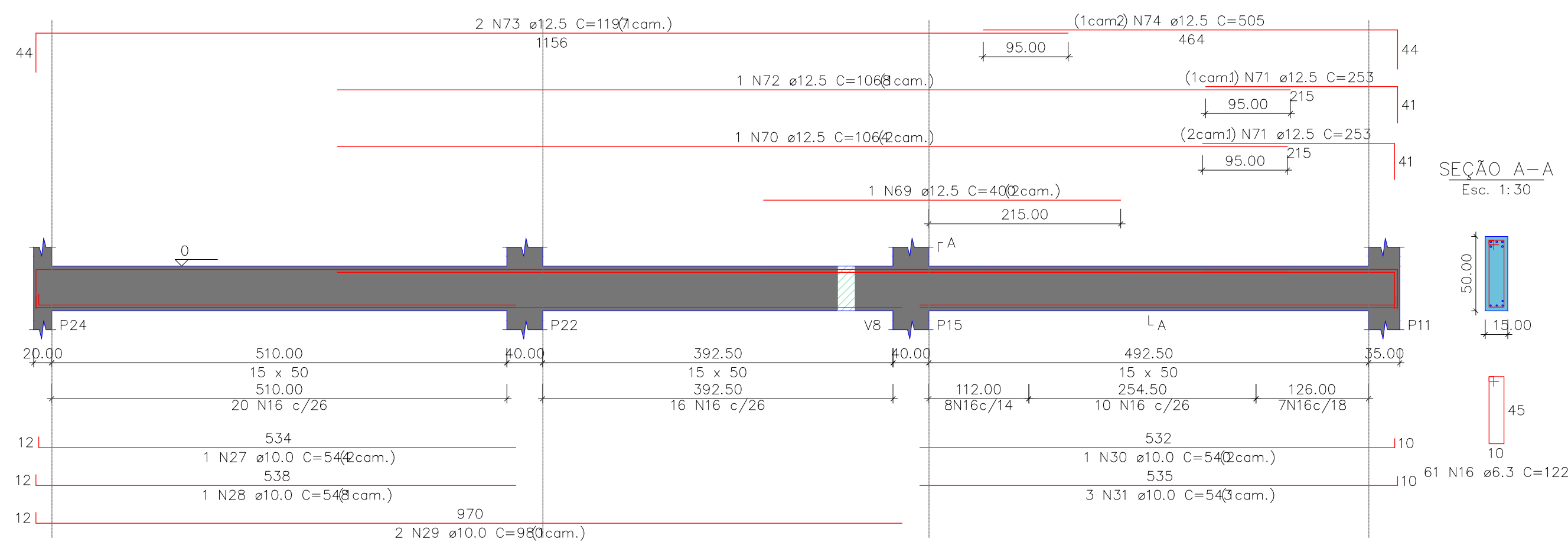
V21. (20 x 50)
Esc. 1:50



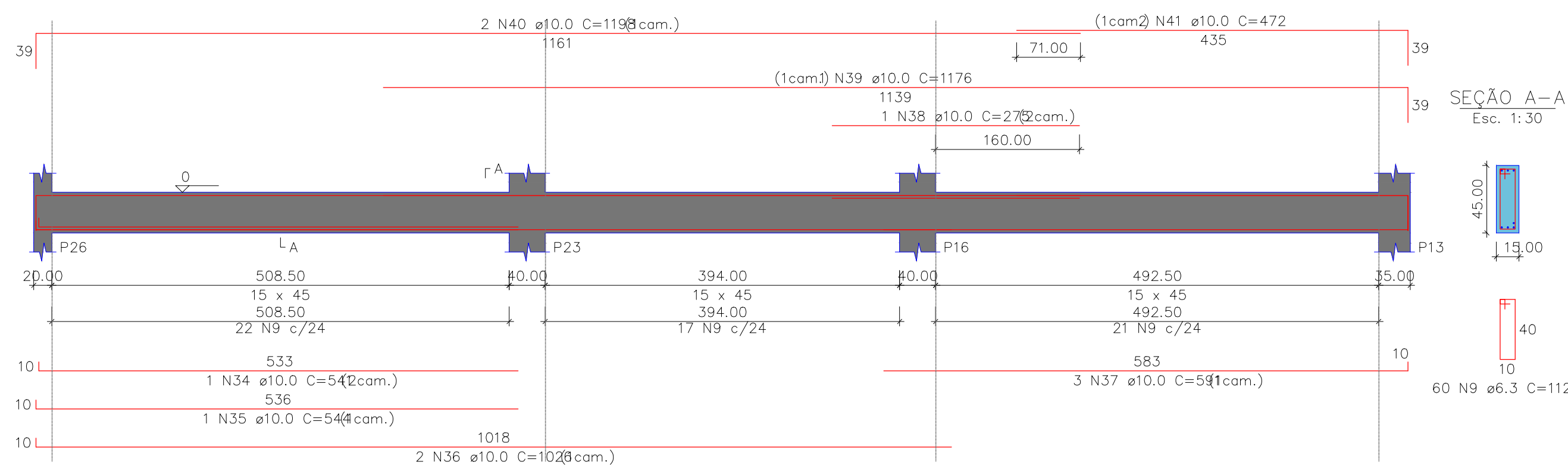
V22. (20 x 50)
Esc. 1:50




V20. (15 x 50)
Esc. 1:50



V23. (15 x 45)
Esc. 1:50



ASSINATURAS			
ZILMA MÔNICA SANSÃO BENEVENUTTI SECRETÁRIA MUNICIPAL DE EDUCAÇÃO CPF: 816.825.269-00 zilma@gaspar.sc.gov.br		EDMUNDO DE J. ARAÚJO JR. ENGENHEIRO CIVIL CREA-SC: 053875-8 CPF: 648.748.859-34 edmund@gaspar.sc.gov.br	
INTERVENÇÃO:		DIREITOS AUTORAIS RESERVADOS POR LEI.	
REFORMA E AMPLIAÇÃO			
			
PREFEITURA MUNICIPAL DE GASPAR SECRETARIA MUNICIPAL DE EDUCAÇÃO - SEMED RUA SÃO PEDRO Nº 128 - CENTRO - GASPAR - CEP 89110-082			
CDI DORVALINA FACHINI		PROJETO ESTRUTURAL	
ENDEREÇO: RUA PREFEITO JULIO SCHRAMM, Nº 635 - BAIRRO: SETE DE SETEMBRO - GASPAR/SC		ESCALA: INDICADA	
CONTEÚDO: DETALHAMENTO DAS VIGAS - PARTE 02 PVTO. BALDRAME		FRANCHA: ES09	
Nº DE FRANCHAS: 15		DESENHISTA: EDMUNDO	
		DATA: 04/02/2019	