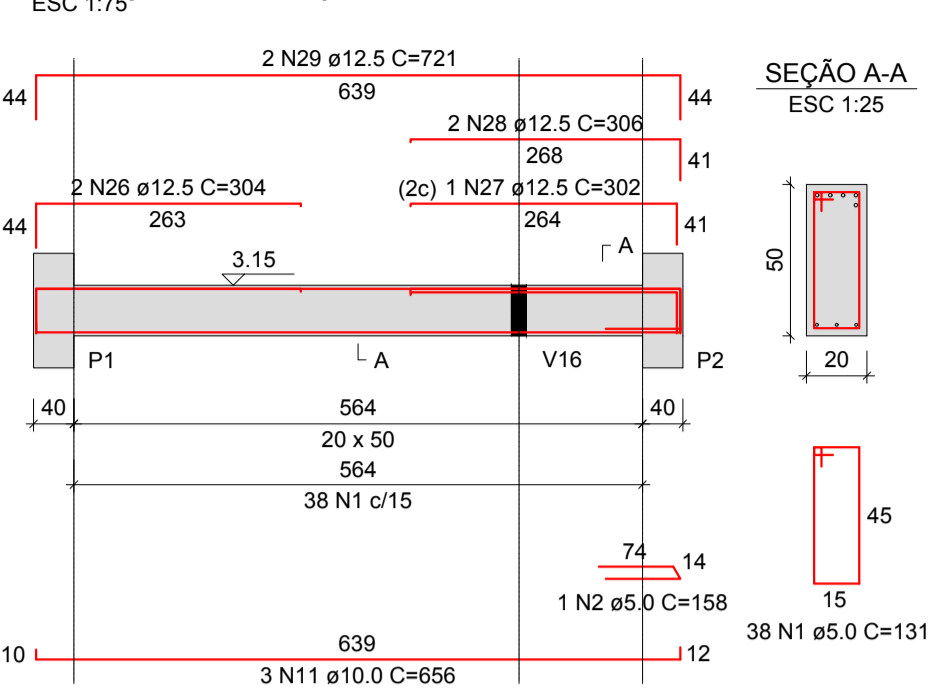
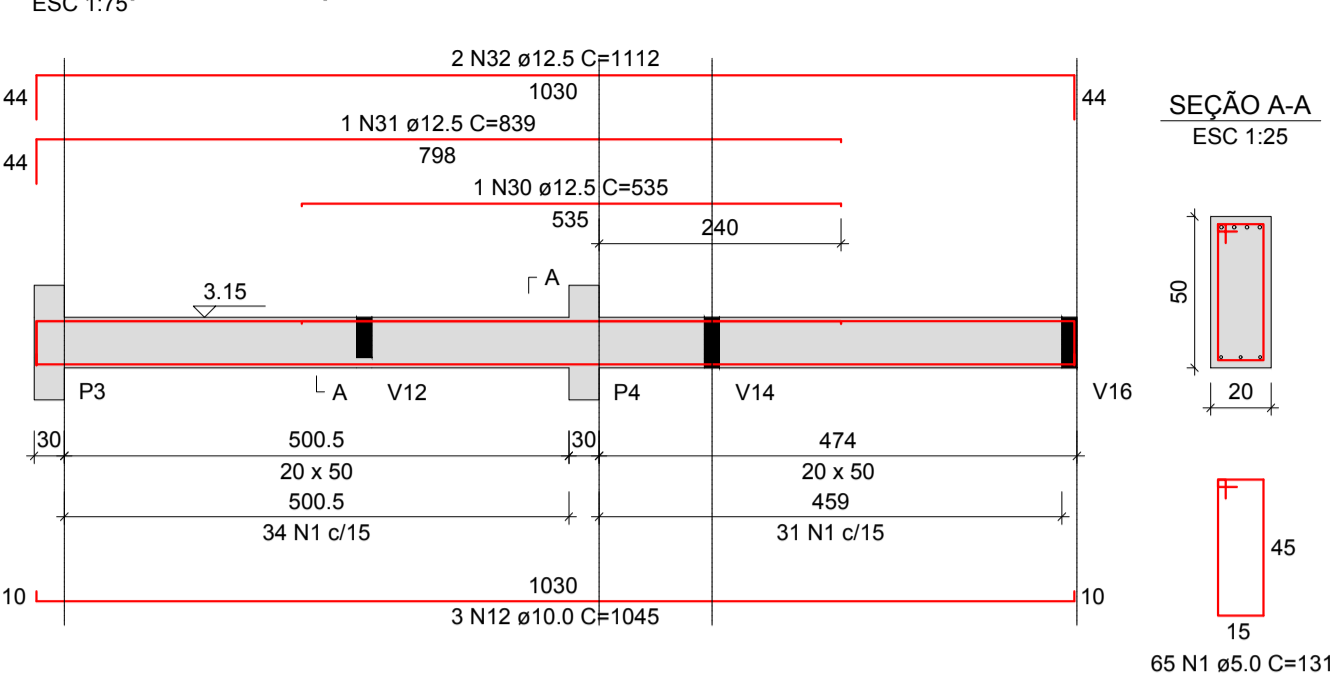


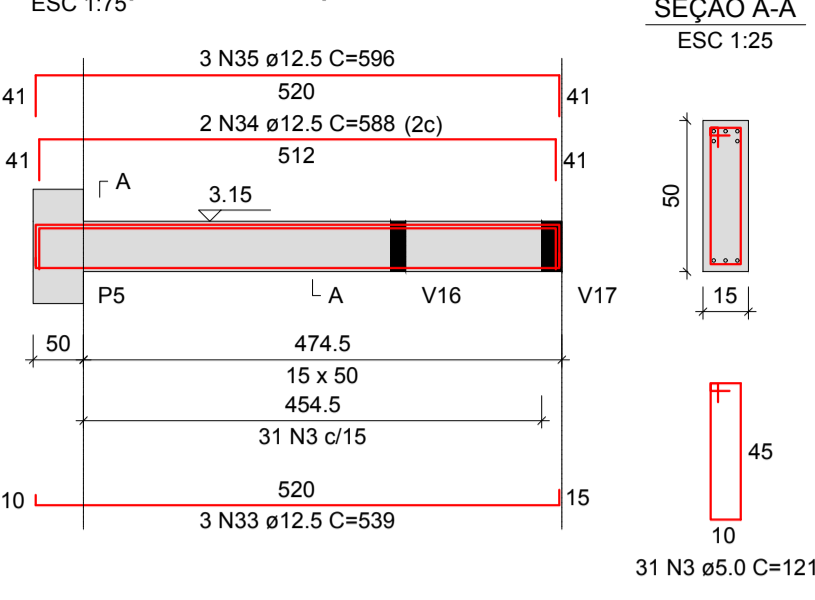
V1 (20 x 50)



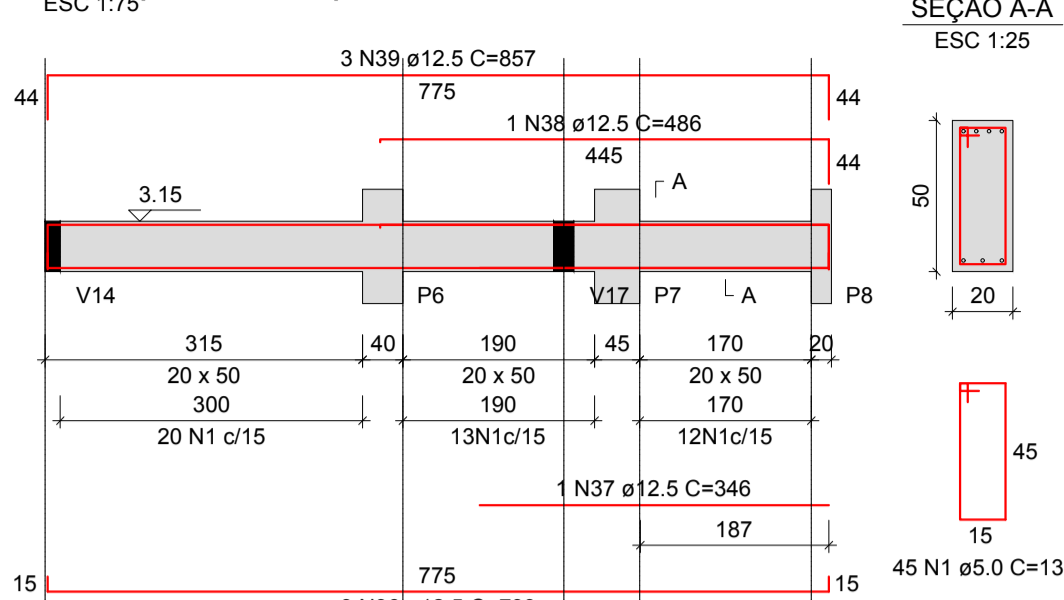
V2 (20 x 50)



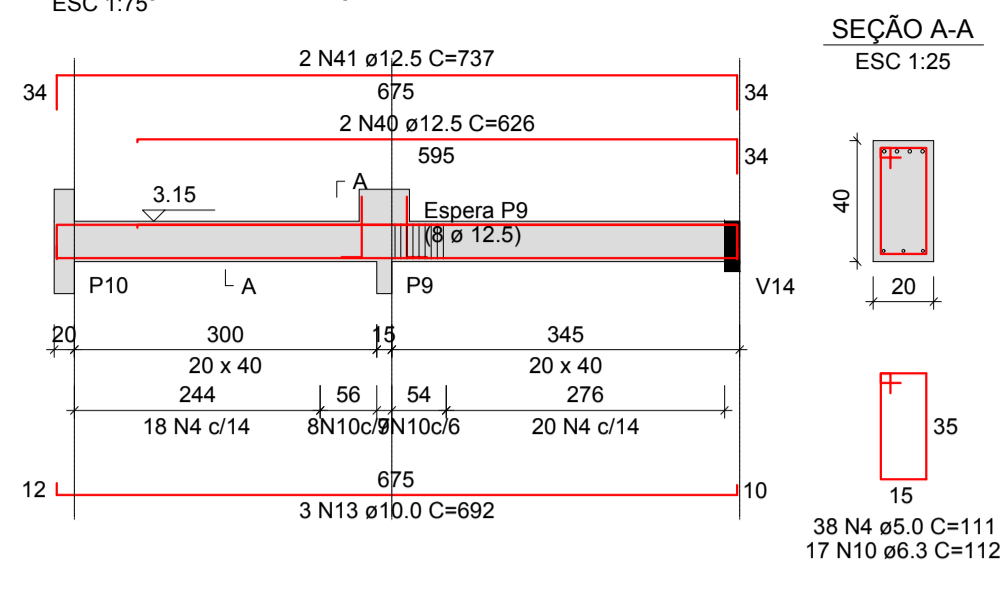
V3 (15 x 50)



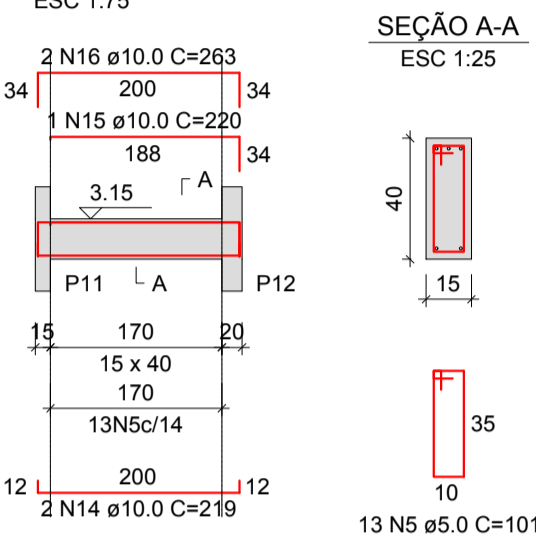
V4 (20 x 50)



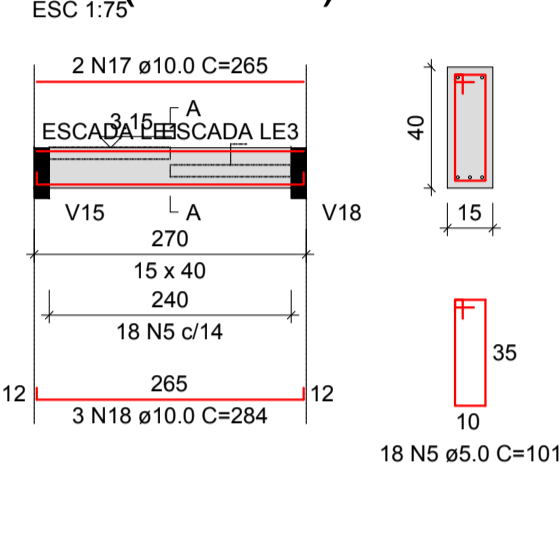
V5 (20 x 40)



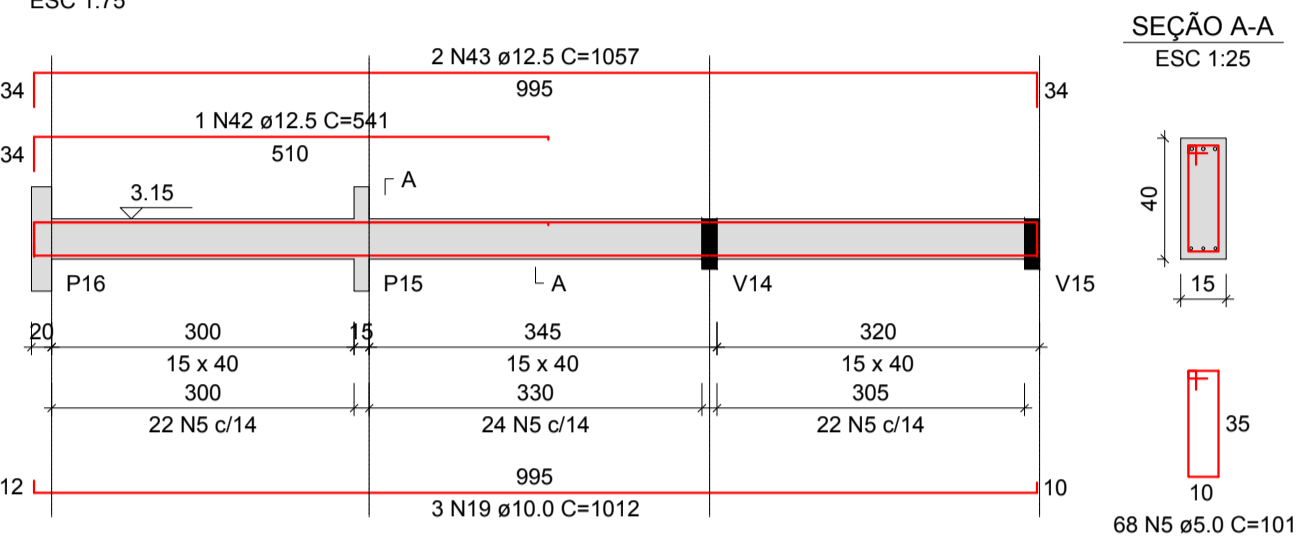
V6 (15 x 40)



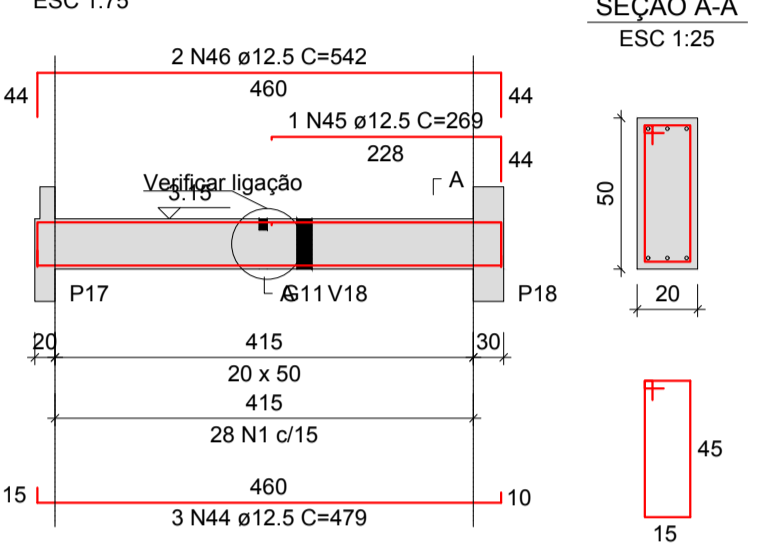
V7 (15 x 40)



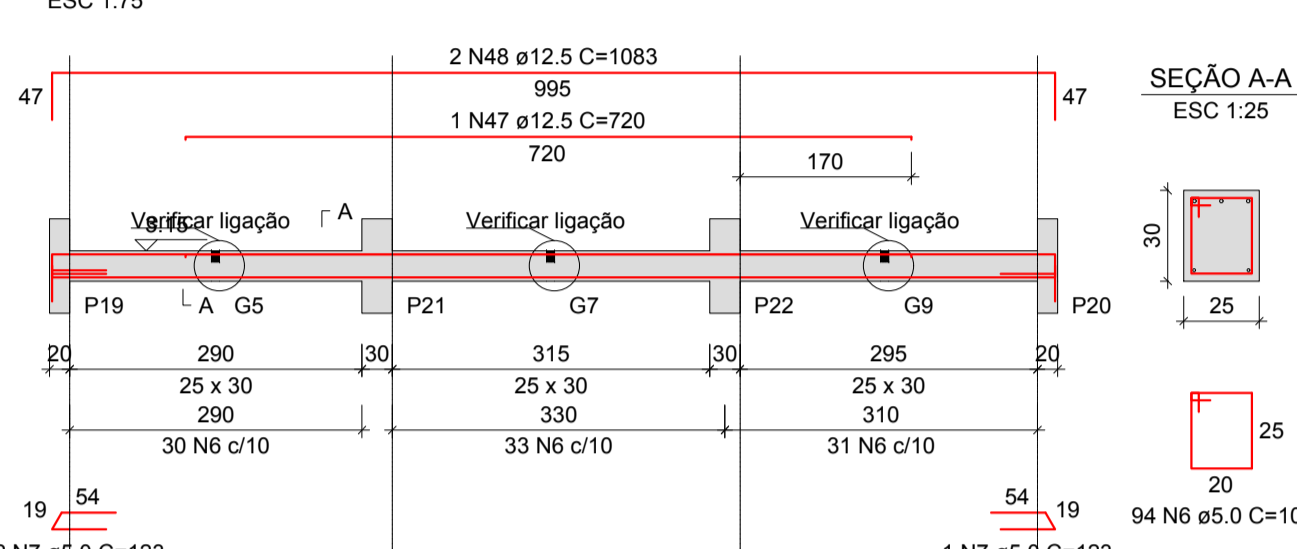
V8 (15 x 40)



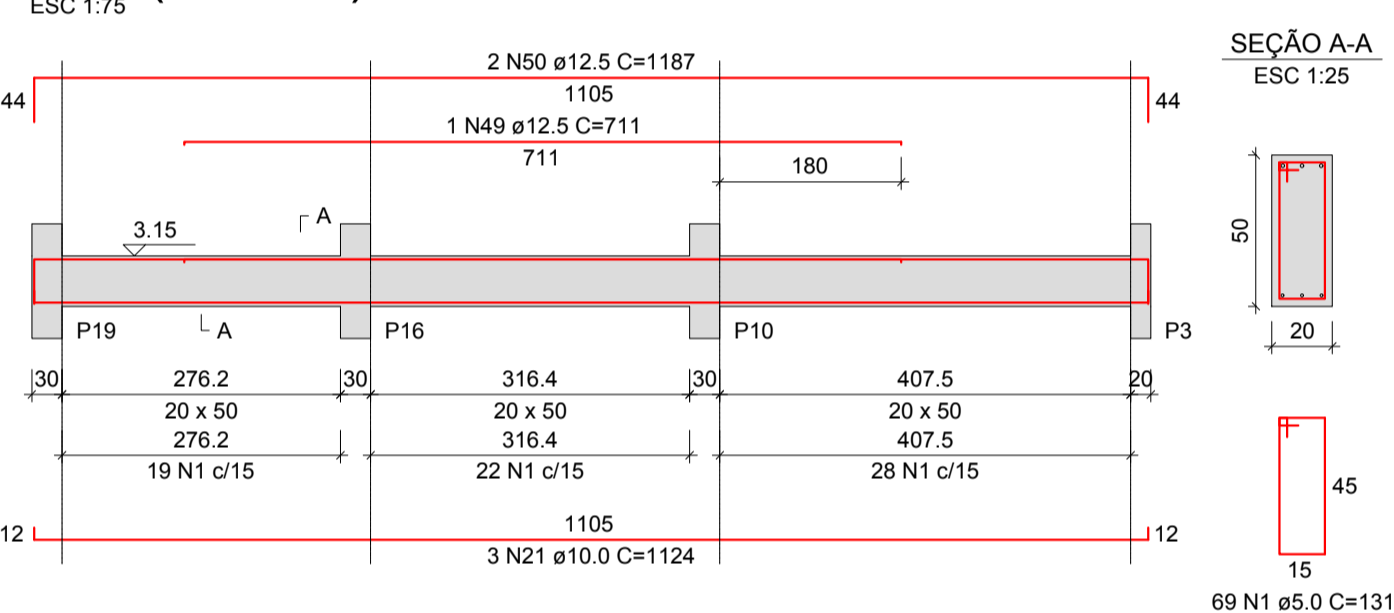
V9 (20 x 50)



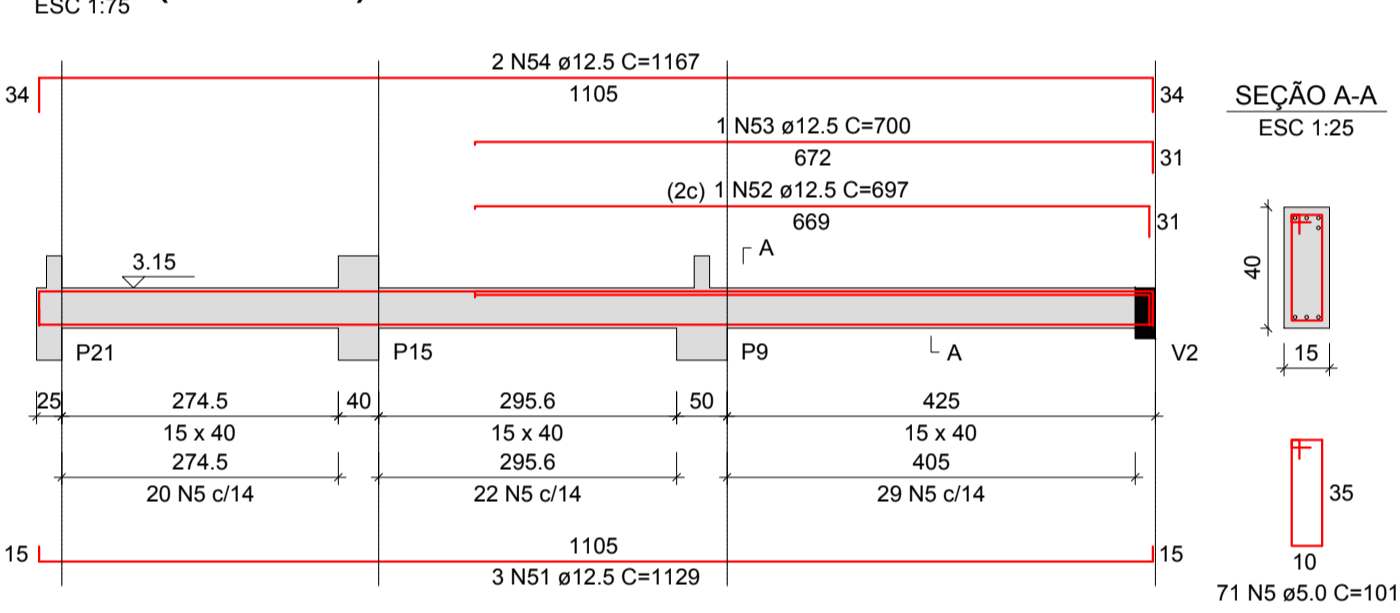
V10 (25 x 30)



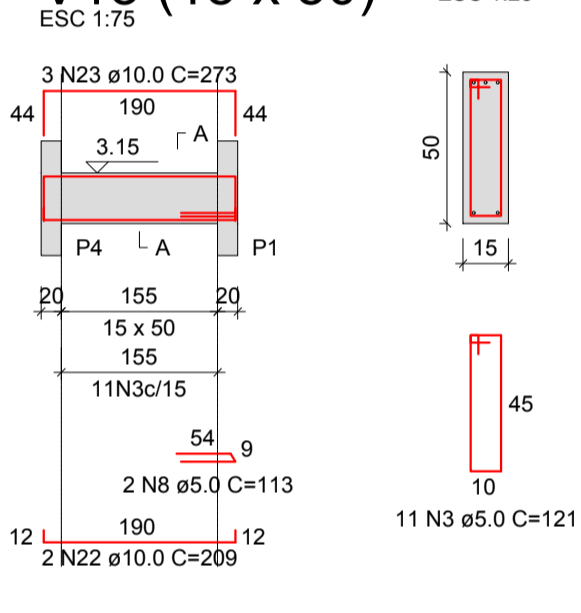
V11 (20 x 50)



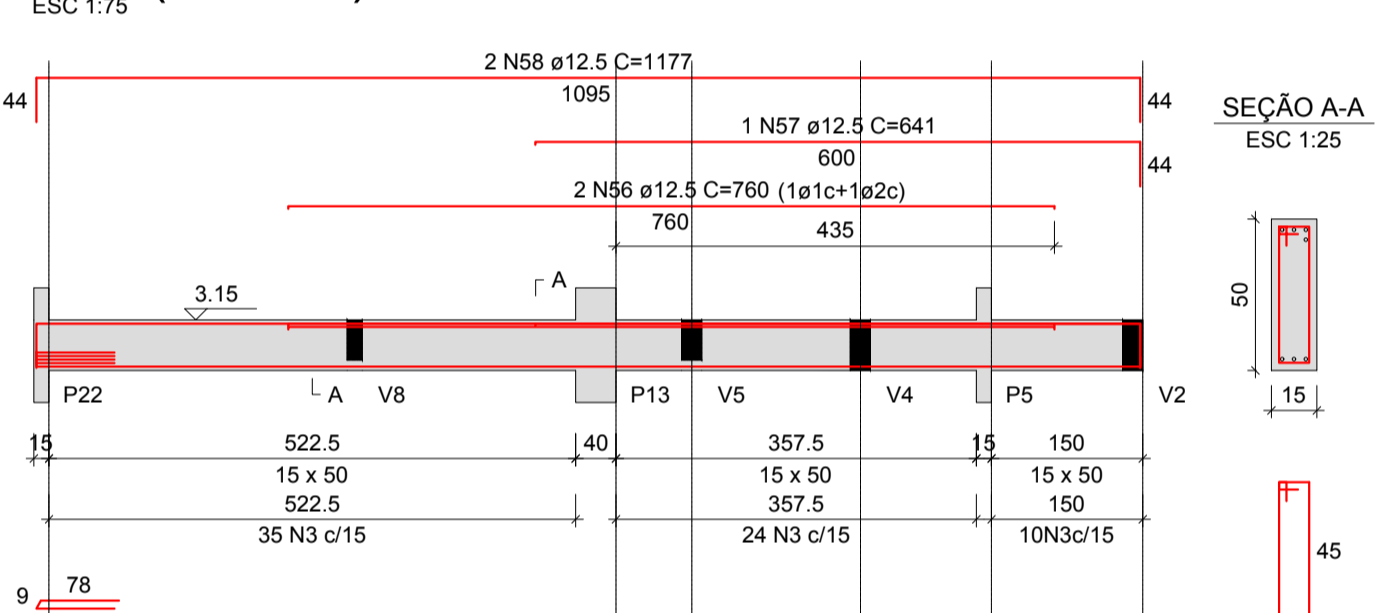
V12 (15 x 40)



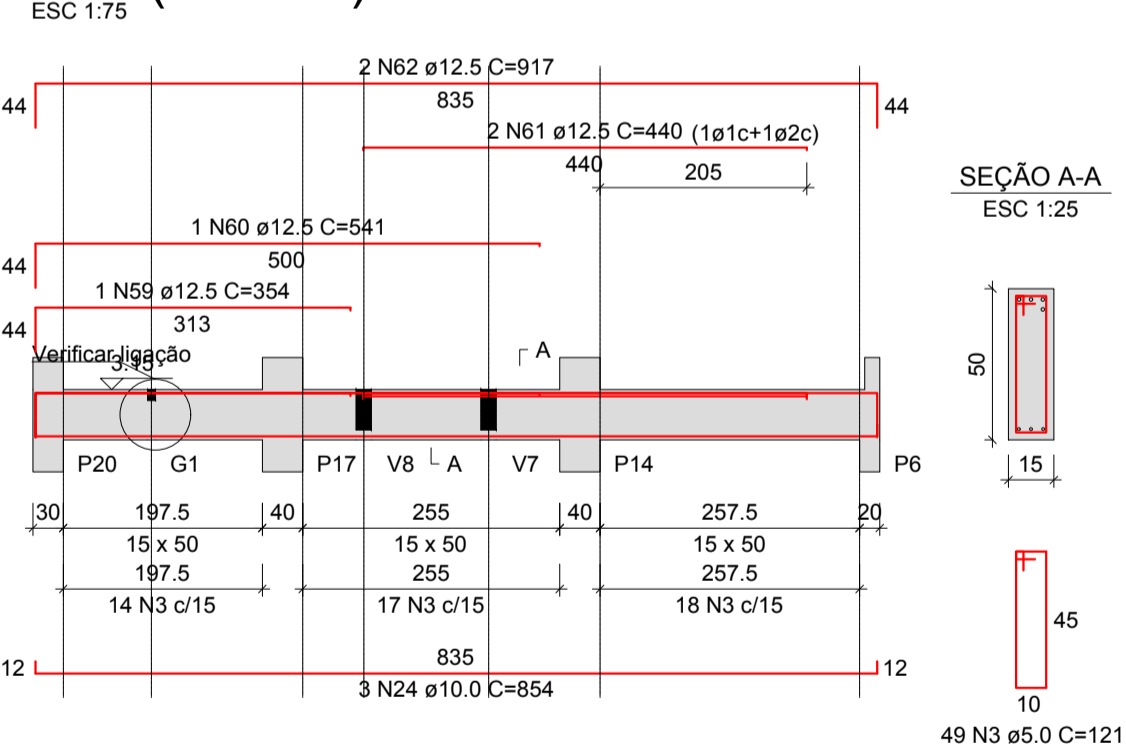
V13 (15 x 50)



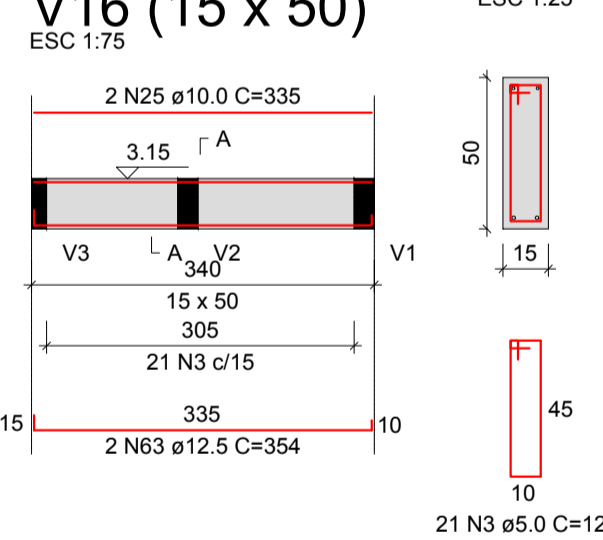
V14 (15 x 50)



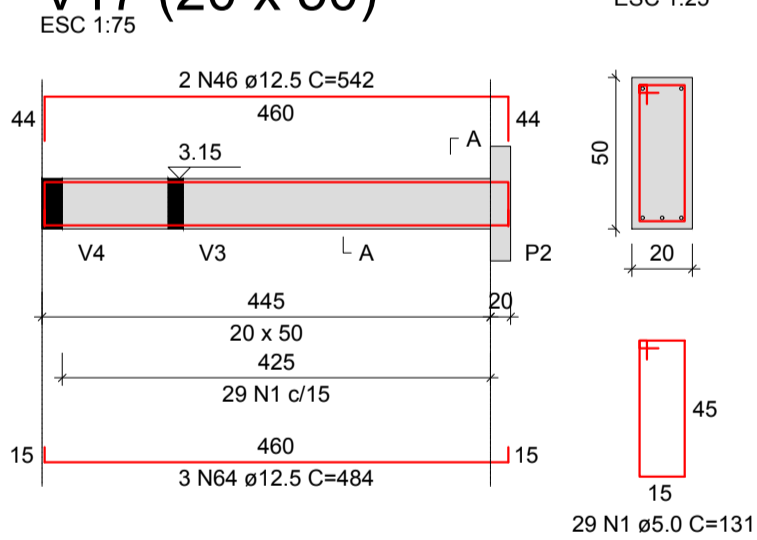
V15 (15 x 50)



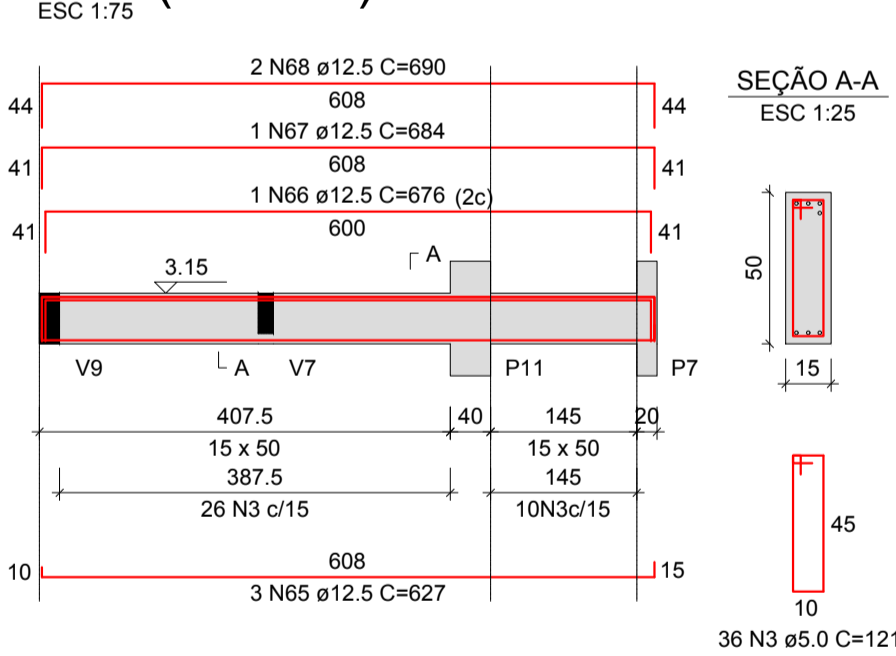
V16 (15 x 50)



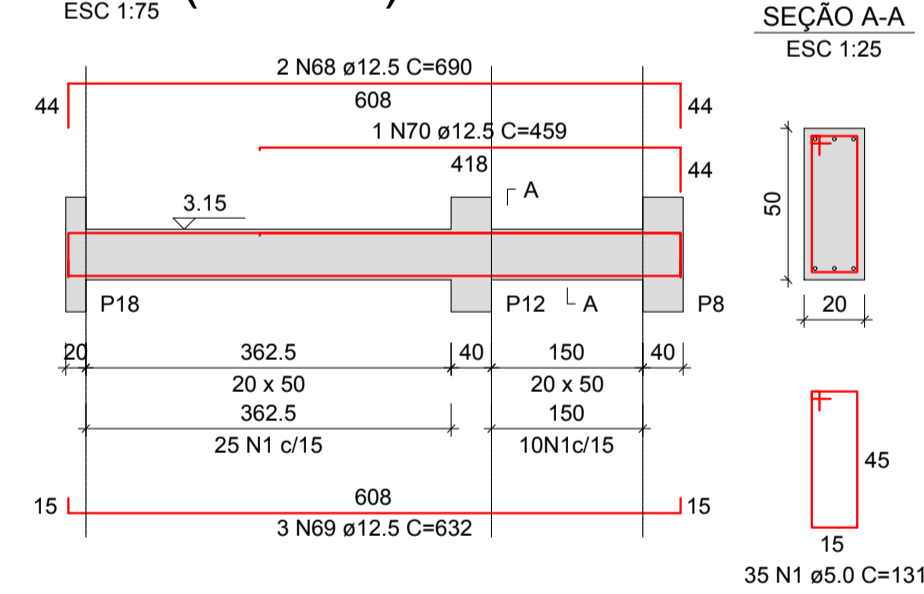
V17 (20 x 50)



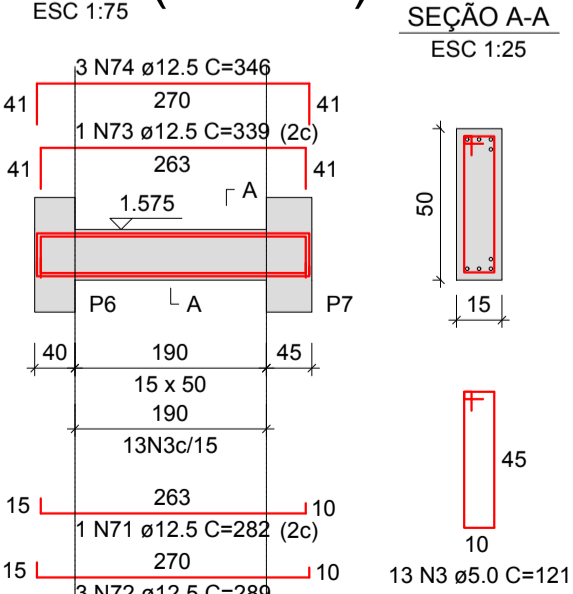
V18 (15 x 50)



V19 (20 x 50)



V20 (15 x 50)



RESUMO DO AÇO

AÇO	DIAM (mm)	C. TOTAL (m)	PESO + 0% (kg)
CA50	6.3	19	4.7
	10.0	226.5	139.6
	12.5	638	614.6
CA60	5.0	1005.9	155
PESO TOTAL (kg)			
CA50		758.9	
CA60		155	

Volume de concreto (C-25) = 10.87 m³
Área de forma = 145.89 m²



ENGETEC SOLUÇÕES EM ENG E ARQ

RUA BAHIA 63 - CENTRO - ERECHIM - RS

Obra / Local:

EDIFICAÇÃO EM ALVENARIA - CENTRO ADMINISTRATIVO
Endereço: Rua do comércio, lote 04, quadra 11 - Paulo Bento - RS

Data:
NOVEMBRO/2018
Desenho:
Engetec
Escala:
Indicada

PROJETO ESTRUTURAL
VIGAS 2º PAVIMENTO

V02

Proprietário:

Prefeitura Municipal de Paulo Bento
CNPJ: 04.215.168/0001-75

Responsável Técnico:

Engº Alessandro Martins Reck
CREA RS 226477
G2A Soluções em Engenharia e Arquitetura
CREA RS 230302 - CNPJ 29.015.207/0001-11