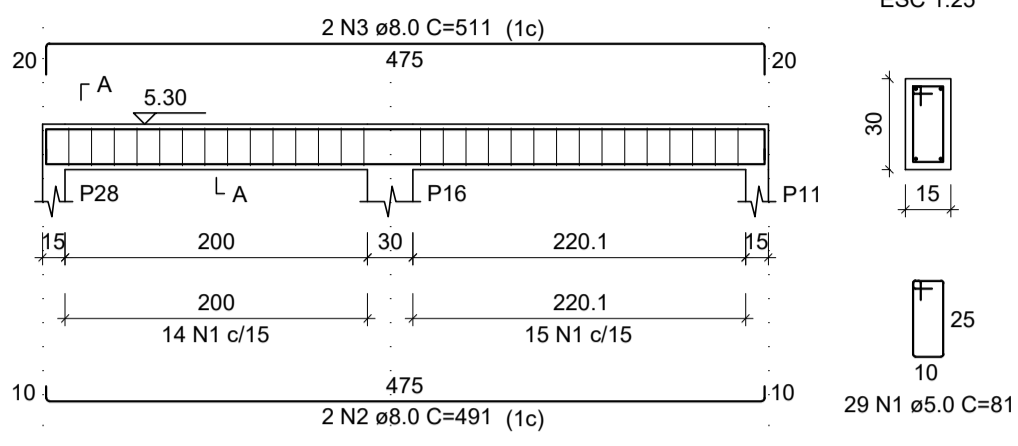
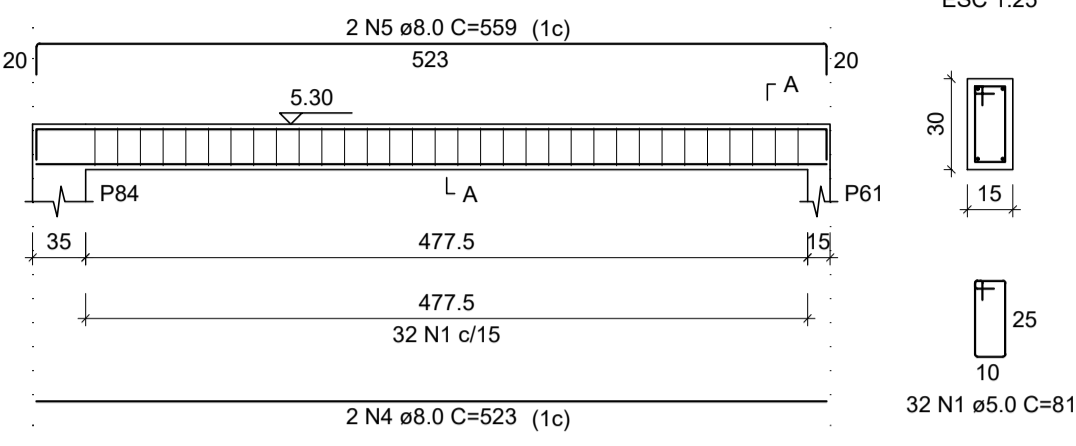


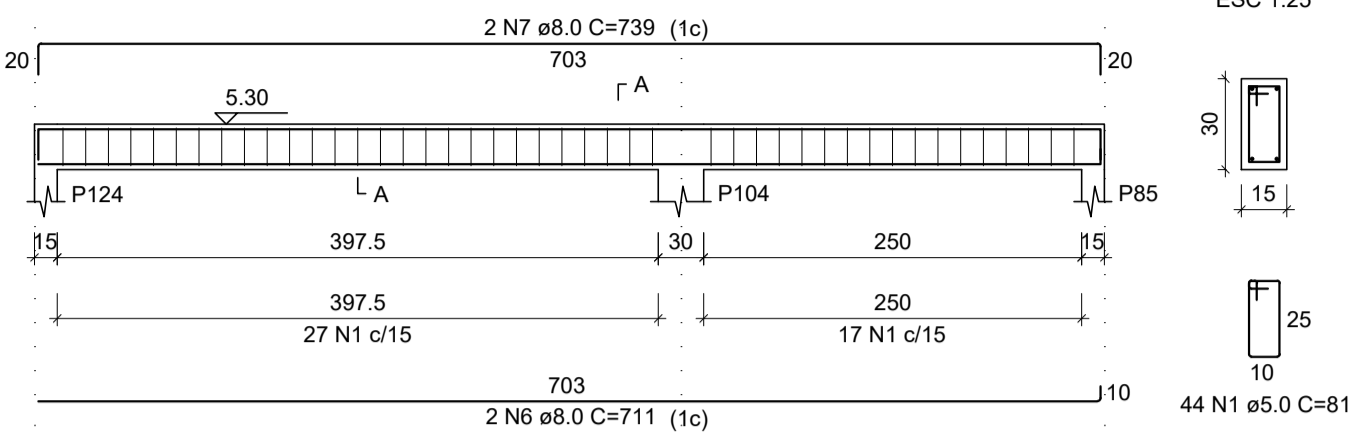
VP33  
ESC 1:50



VP34  
ESC 1:50



VP35  
ESC 1:50



RELAÇÃO DO AÇO

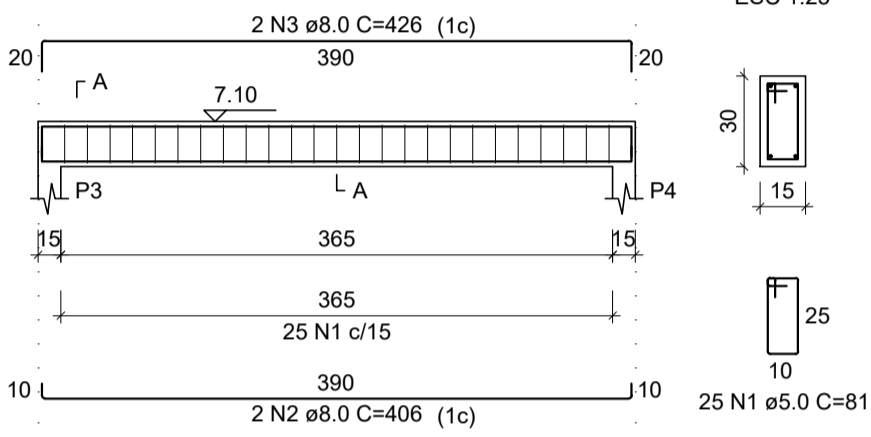
VP33	VP34	VP35			
CA60	1	5.0	105	81	8505
CA50	2	8.0	2	491	982
	3	8.0	2	511	1022
	4	8.0	2	523	1046
	5	8.0	2	559	1118
	6	8.0	2	711	1422
	7	8.0	2	739	1478

RESUMO DO AÇO

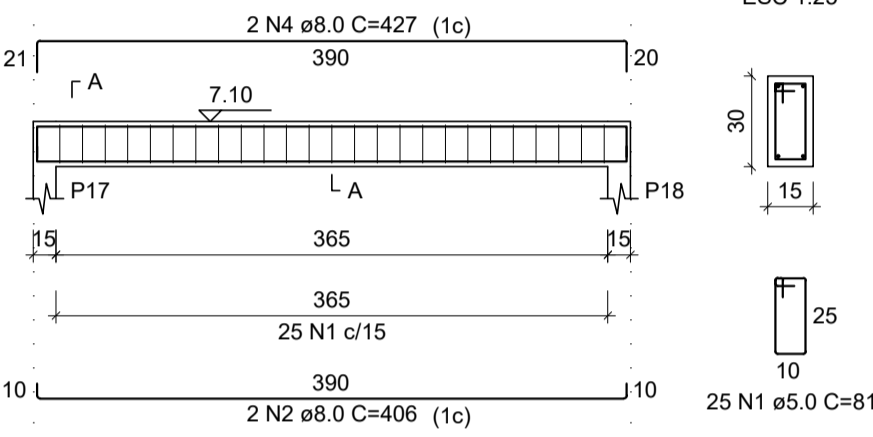
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	UNIT	PESO + 10% (kg)
CA50	8.0	70.7	7	12 m	30.7
CA60	5.0	85	-	rolo (170 kg)	14.4
PESO TOTAL (kg)					
CA50					30.7
CA60					14.4

Volume de concreto (C-25) = 0.77 m³  
Área de forma = 12.86 m²

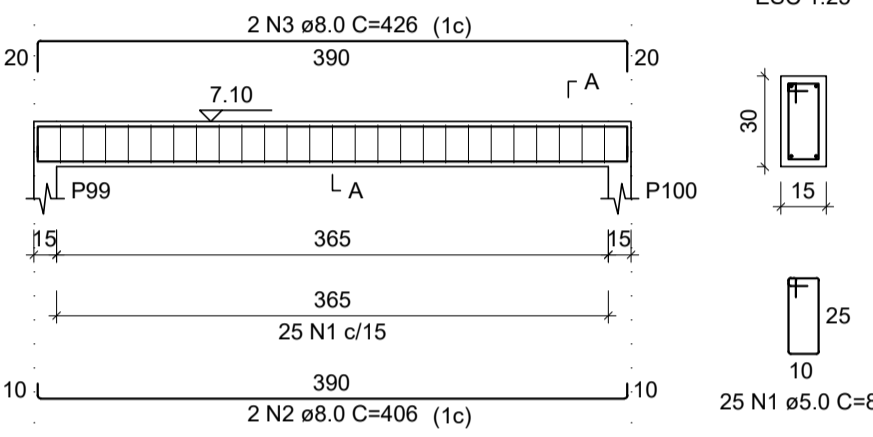
VR1  
ESC 1:50



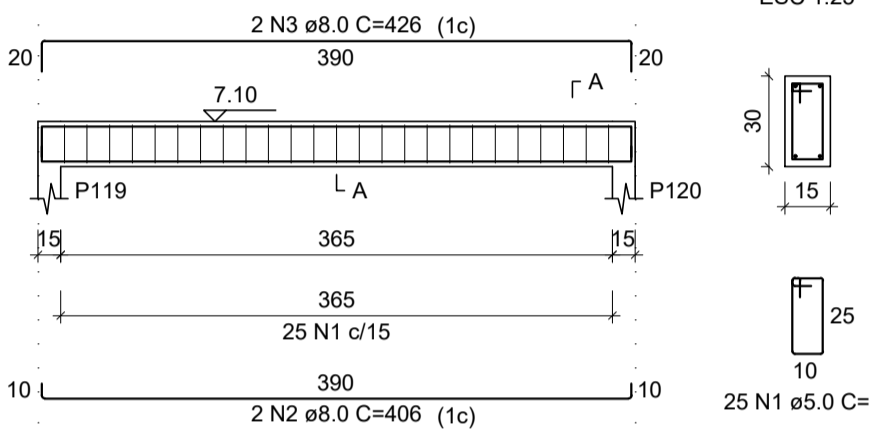
VR2  
ESC 1:50



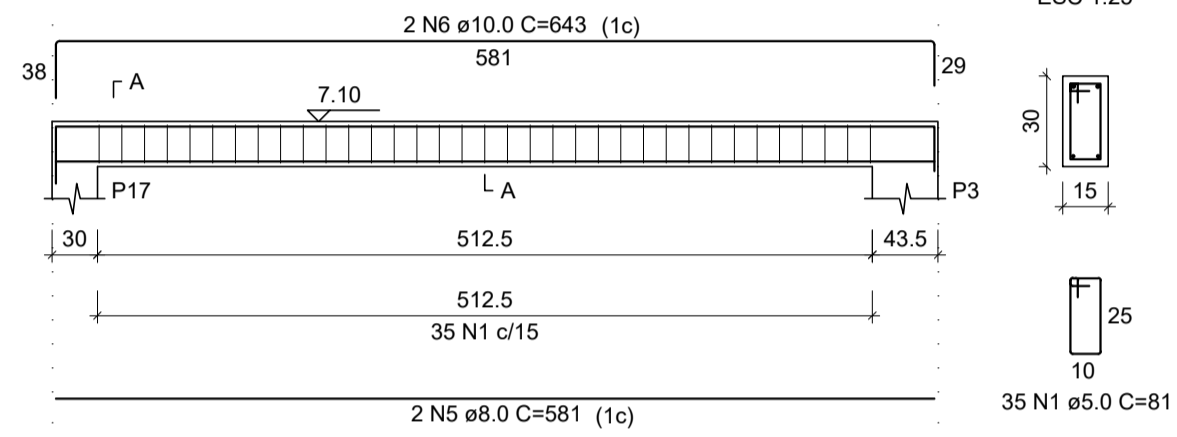
VR3  
ESC 1:50



VR4  
ESC 1:50



VR5  
ESC 1:50



RELAÇÃO DO AÇO

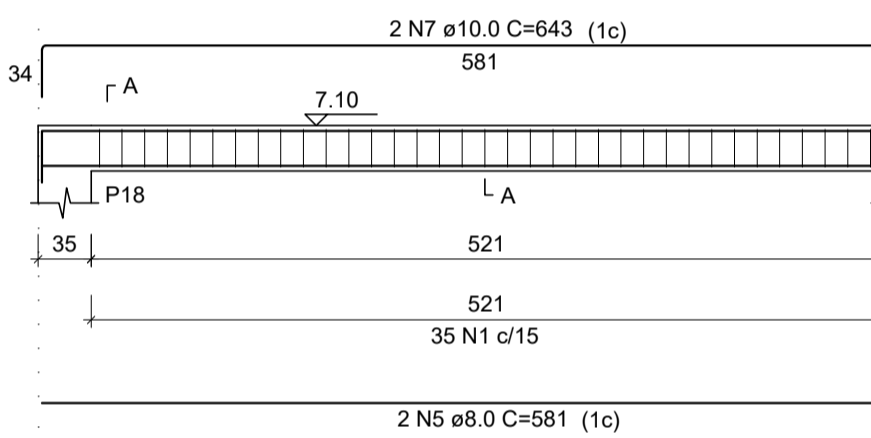
VR1	VR4	VR7	VR2	VR5	VR8	VR3	VR6
CA60	1	5.0	224	81	18144		
CA50	2	8.0	8	406	3248		
	3	8.0	6	426	2556		
	4	8.0	2	427	854		
	5	8.0	4	581	2324		
	6	10.0	2	643	1286		
	7	10.0	2	643	1286		
	8	10.0	4	466	1864		
	9	12.5	2	524	1048		
	10	12.5	2	523	1046		

RESUMO DO AÇO

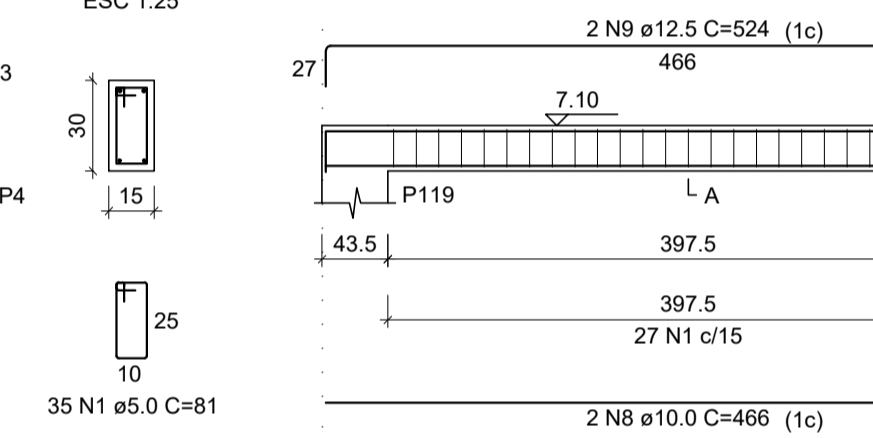
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	UNIT	PESO + 10% (kg)
CA50	8.0	89.8	9	12 m	39
	10.0	44.4	5	12 m	30.1
	12.5	20.9	2	12 m	22.2
CA60	5.0	181.4	-	rolo (170 kg)	30.8
PESO TOTAL (kg)					
CA50					91.3
CA60					30.8

Volume de concreto (C-25) = 1.66 m³  
Área de forma = 27.71 m²

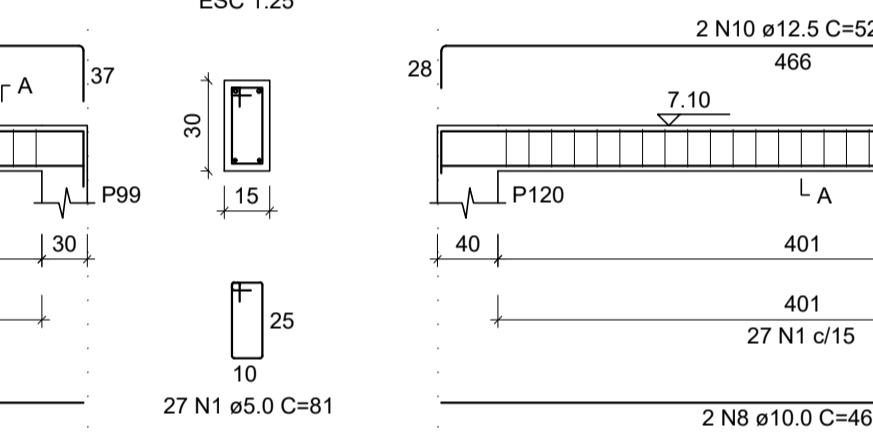
VR6  
ESC 1:50




VR7  
ESC 1:50



VR8  
ESC 1:50



	
 <p>Rua Miguel Vienna, nº 81, Sala 12 Bairro Morro Chic CEP: 37500-080 - Itajubá / MG Tel: (35) 3623-5720 www.dacengenharia.com.br</p>	<p>GERÊNCIA DE PROJETOS DENIS DE SOUZA SILVA CREA: MG-127.216/D</p> <p>COORDENAÇÃO DE PROJETOS ALOISIO CAETANO FERREIRA CREA: MG-97.132/D</p> <p>RESPONSÁVEL TÉCNICO ENGRª CIVIL FLÁVIA C. BARBOSA CREA: MG-187.842/D</p> <p>PROJETO WILLIAM BARADEL LARI</p> <p>DESENHO WILLIAM BARADEL LARI</p>
<p>EMPREENDIMENTO <b>IMPLANTAÇÃO DO CEMAPA E CENTRO POP</b></p>	
<p>ENDEREÇO RUA PROJETADA, BAIRRO SANTA CECÍLIA POUSO ALEGRE - MINAS GERAIS</p> <p>ASSUNTO PROJETO ESTRUTURAL DE CONCRETO ARMADO FORMAS E FERRAGENS VIGAS</p>	<p>DISCIPLINA ESTRUTURAL</p> <p>FASE DO PROJETO EXECUTIVO</p> <p>FOLHA Nº. <b>27/28</b></p>
<p>DATA INICIAL 13/04/2020</p> <p>ESCALA INDICADA</p> <p>REVISÃO ROO</p> <p>ARQUIVO DAC-PMPA-CEPOP-PE-EST-ROO.DWG</p>	<p>REV. 00   13/04/20   EMISSÃO INICIAL   DAC</p> <p>REVISÃO: DATA :   DESCRIÇÃO:   RESP.:</p>