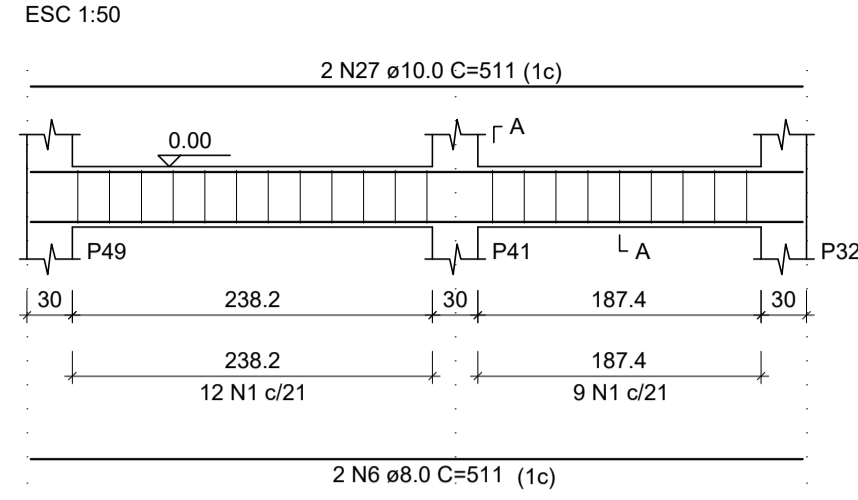


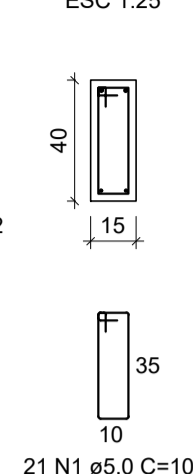
PROJETO ESTRUTURAL - CEMAPA

ESCALA INDICADA

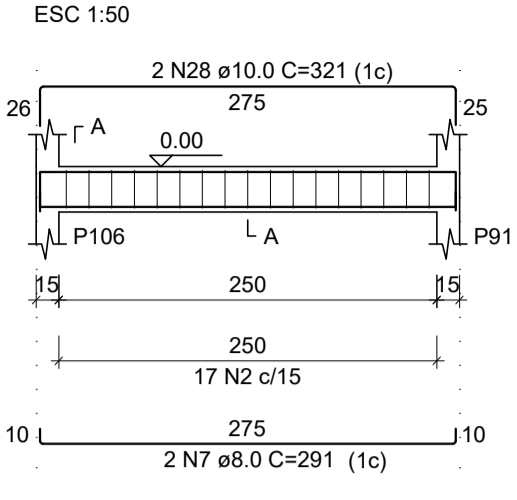
VB66



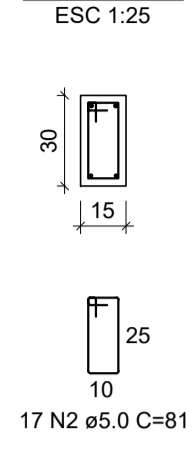
SEÇÃO A-A



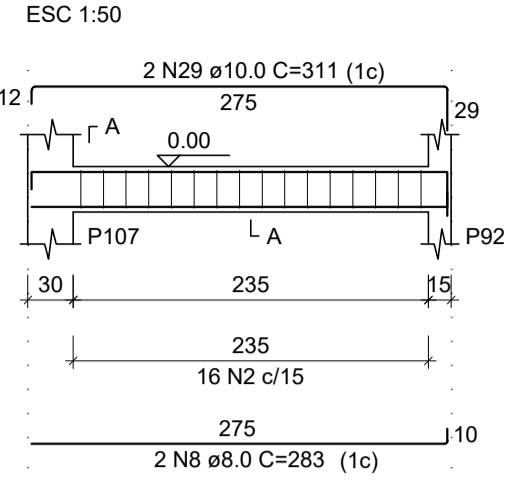
VB67



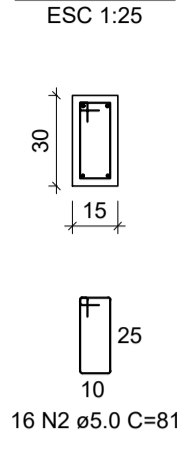
SEÇÃO A-A



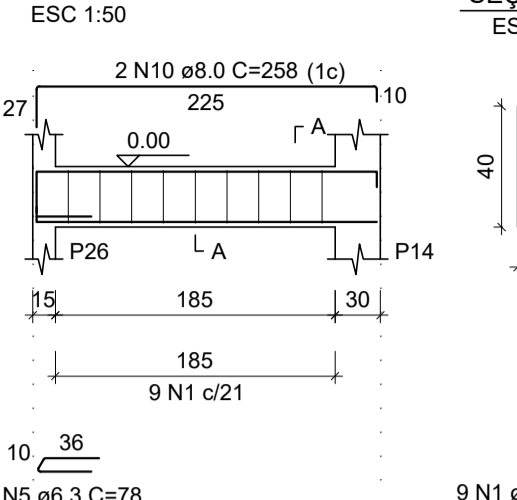
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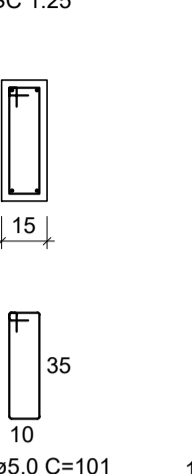
SEÇÃO A-A



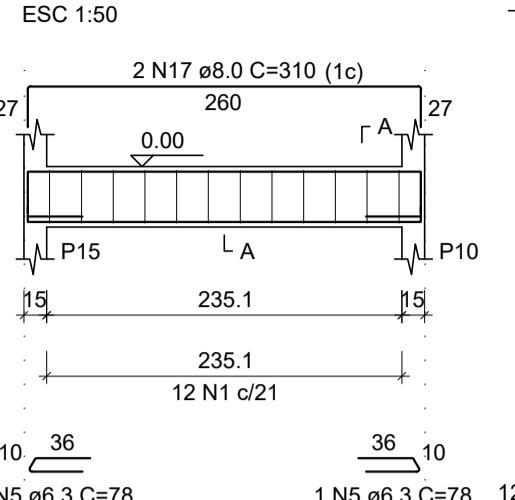
VB71



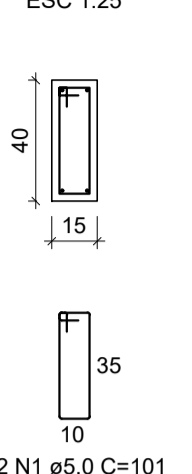
SEÇÃO A-A



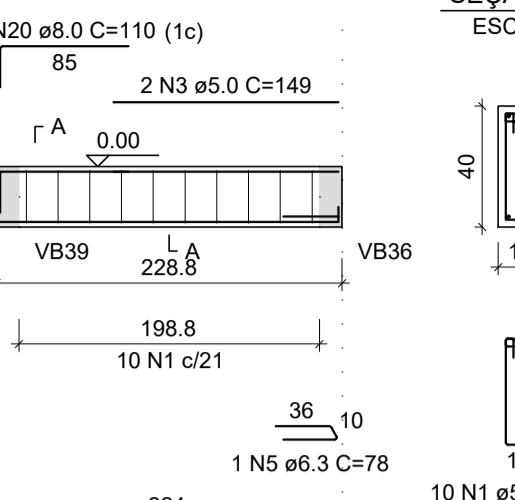
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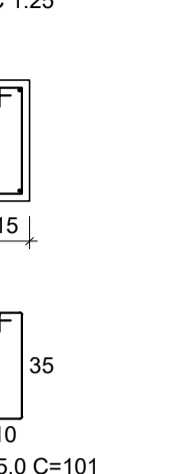
SEÇÃO A-A



VB77



SEÇÃO A-A



RELAÇÃO DO AÇO

VB66	VB67	VB68
VB71	VB72	VB73
VB74	VB75	VB76
VB77	VB78	VB79
VB80	VB81	VB82
VB83	VB84	VB85
VB86	VB87	VB88
VB89	VB91	VB93
VB94		

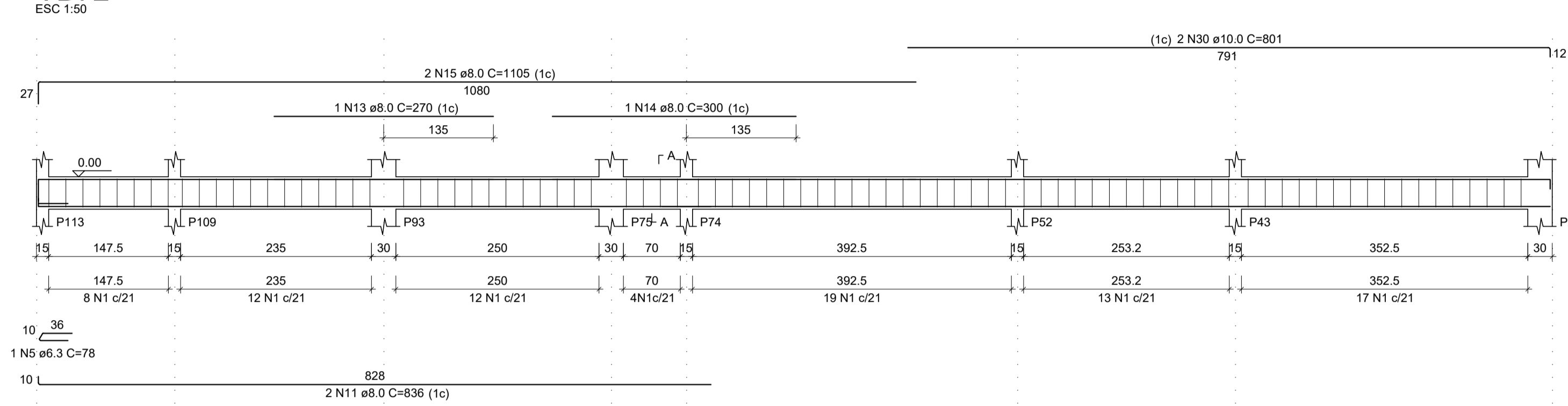
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	494	101	49894
	2	5.0	53	81	4293
	3	5.0	2	149	298
	4	5.0	6	195	1110
	5	6.3	10	78	780
	6	8.0	2	511	1022
	7	8.0	2	291	582
	8	8.0	2	283	566
	9	8.0	2	233	466
	10	8.0	2	258	516
	11	8.0	2	836	1672
	12	8.0	2	1093	2186
	13	8.0	1	270	270
	14	8.0	1	300	300
	15	8.0	2	1105	2210
	16	8.0	2	276	552
	17	8.0	2	310	620
	18	8.0	2	491	982
	19	8.0	4	232	928
	20	8.0	2	110	220
	21	8.0	4	446	1784
	22	8.0	4	518	2072
	23	8.0	2	454	908
	24	8.0	2	488	976
	25	8.0	2	486	972
	26	8.0	2	711	1422
	27	10.0	2	511	1022
	28	10.0	2	321	642
	29	10.0	2	311	622
	30	10.0	2	801	1602
	31	10.0	2	514	1028
	32	10.0	10	528	5280
	33	10.0	3	448	1344
	34	10.0	2	244	488
	35	10.0	2	299	598
	36	10.0	2	301	602
	37	10.0	2	302	604
	38	10.0	2	239	478
	39	10.0	2	281	562
	40	12.5	2	595	1190
	41	12.5	1	199	199
	42	12.5	2	488	976
	43	12.5	4	224	896
	44	12.5	2	207	414
	45	12.5	4	194	776
	46	12.5	2	598	1196
	47	12.5	2	597	1194
	48	12.5	2	598	1196
	49	12.5	4	478	1912
	50	12.5	1	286	286
	51	12.5	3	515	1545
	52	12.5	2	224	448
	53	12.5	2	205	410
	54	12.5	4	516	2064
	55	12.5	2	408	816
	56	12.5	2	505	1010
	57	12.5	2	454	908

RESUMO DO AÇO

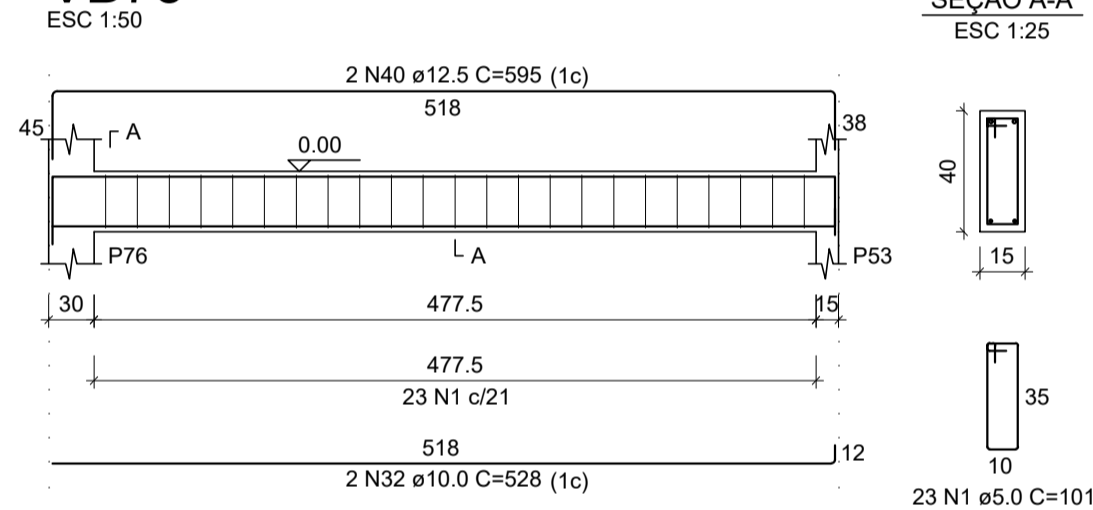
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	UNIT	PESO + 10% (kg)
CA50	6.3	7.8	1	12 m	2.1
	8.0	211.9	20	12 m	92
	10.0	148.7	14	12 m	100.9
	12.5	170.3	16	12 m	180.4
	5.0	596	-	rolo (170 kg)	94.3
CA60					
CA50		375.4			
CA60		94.3			

Volume de concreto (C-25) = 7.18 m³  
Área de forma = 113.97 m²

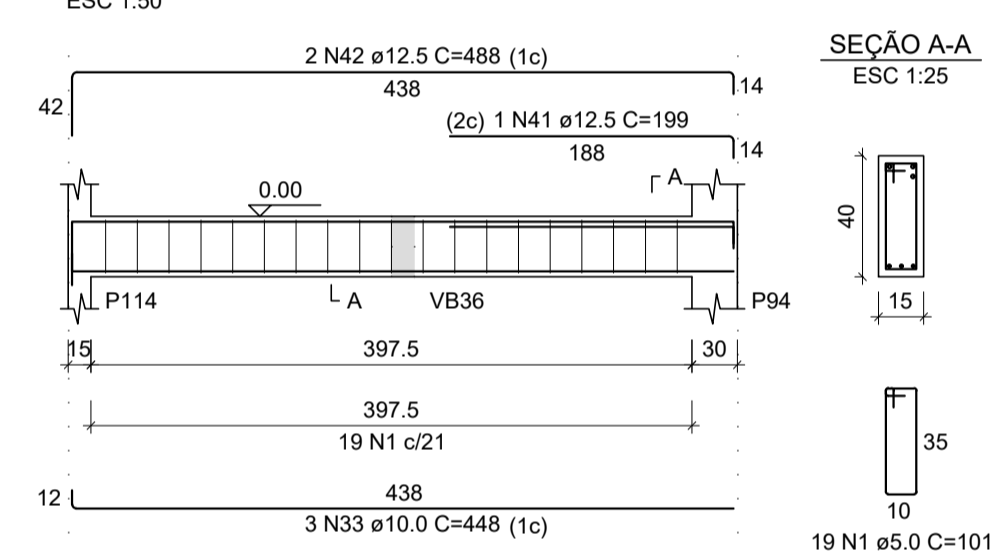
VB72



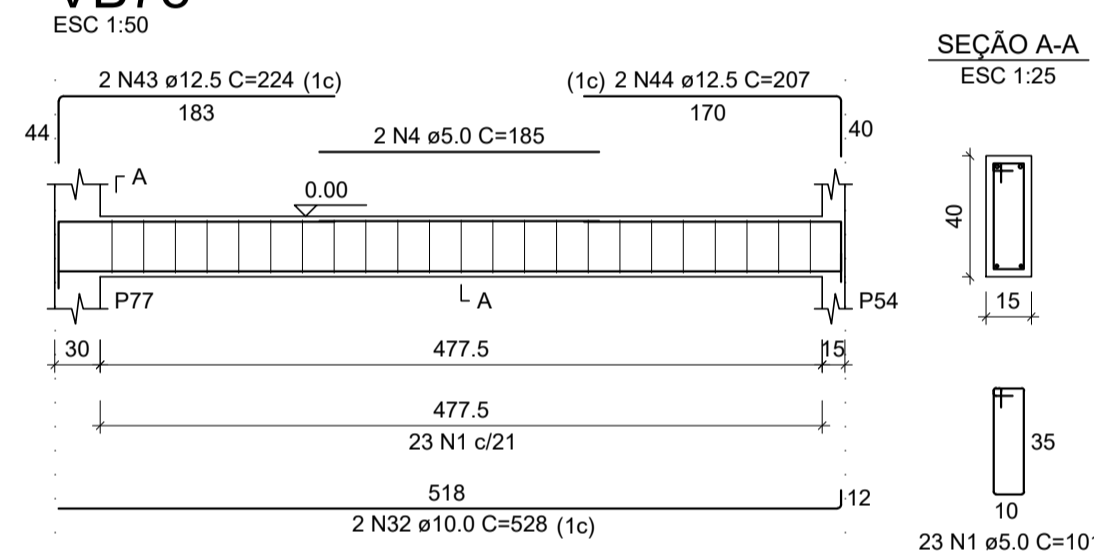
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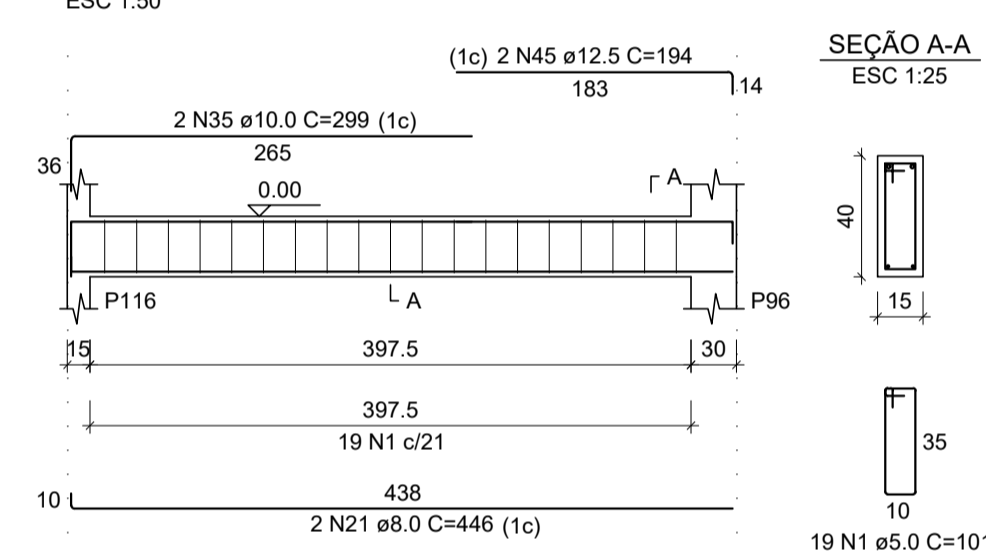
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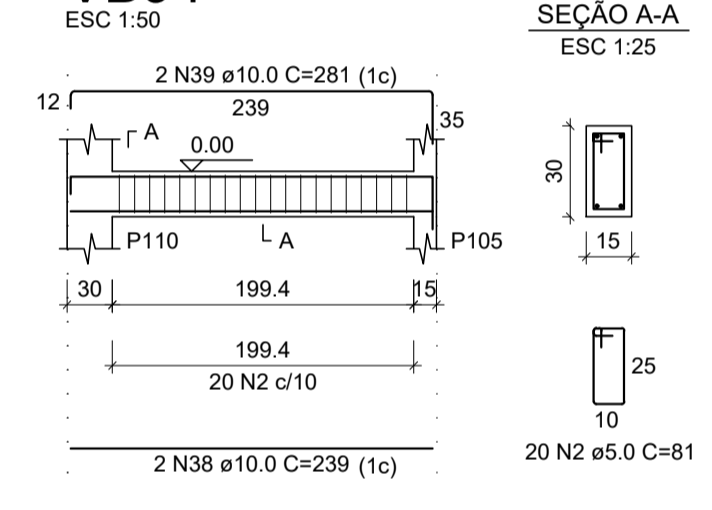
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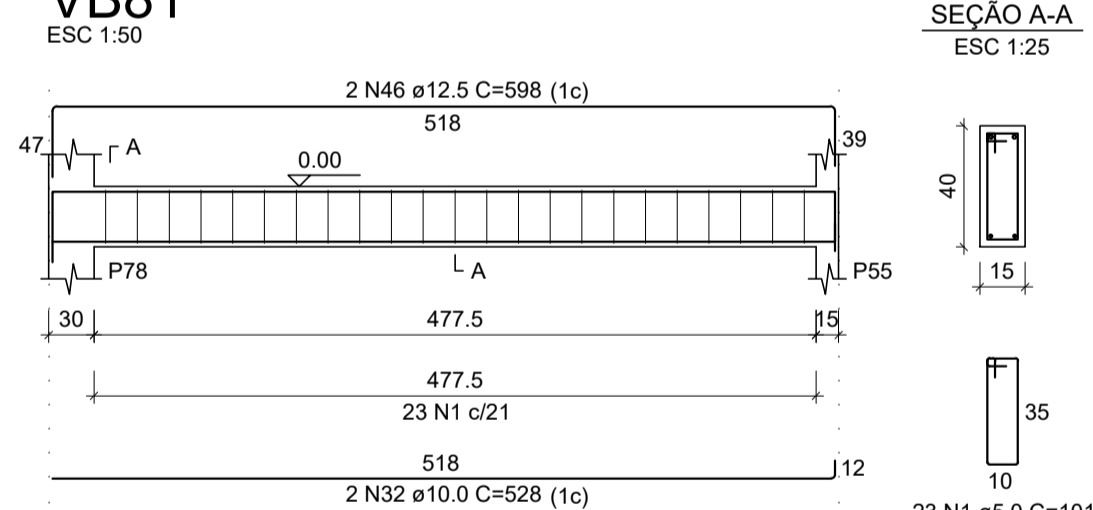
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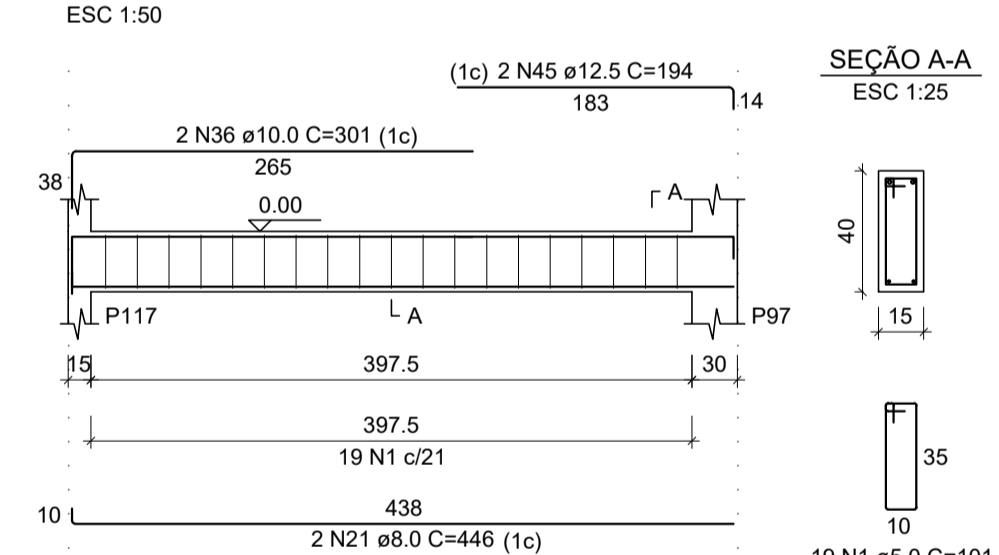
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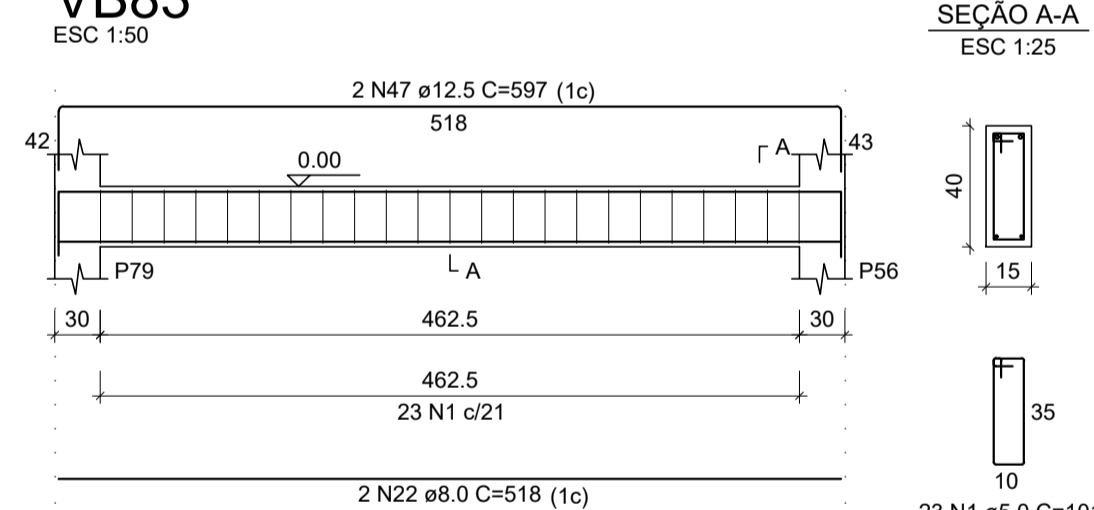
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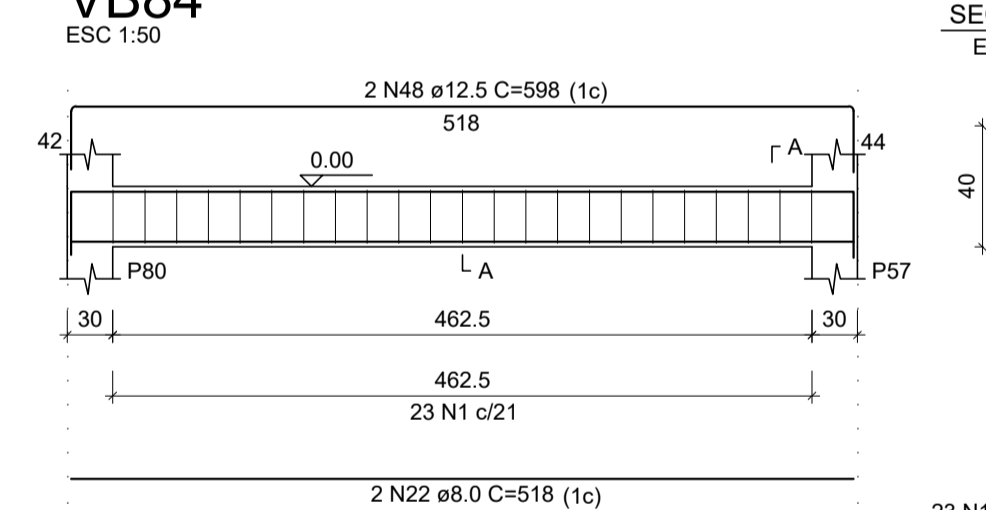
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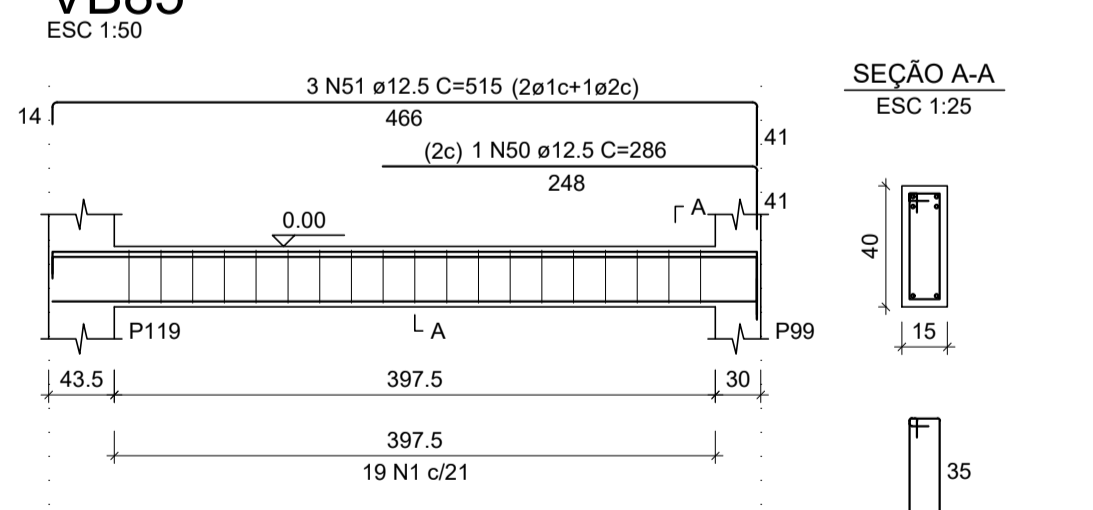
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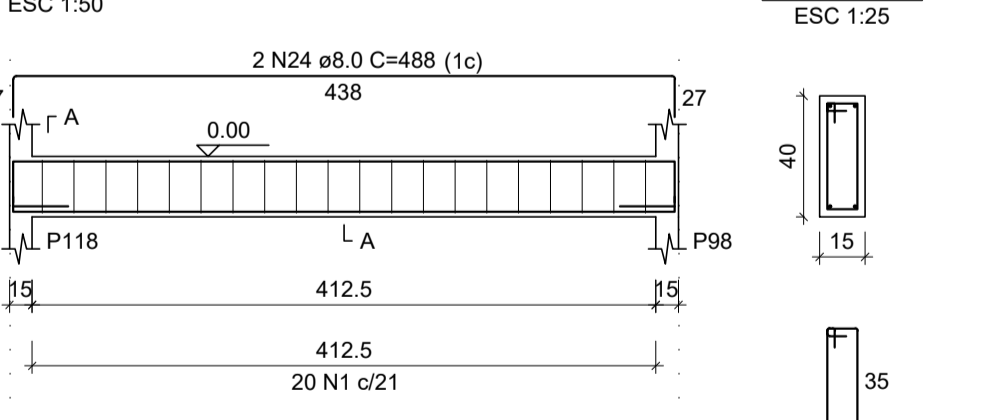
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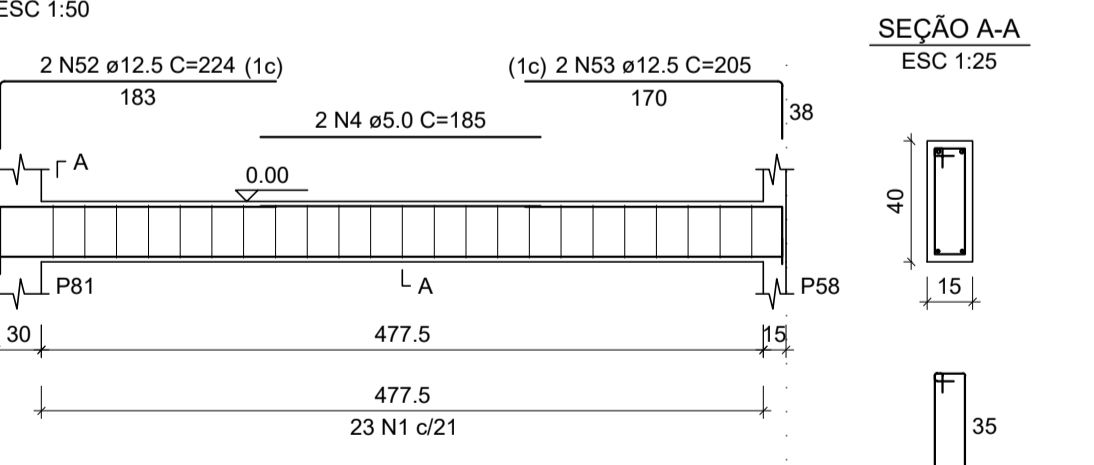
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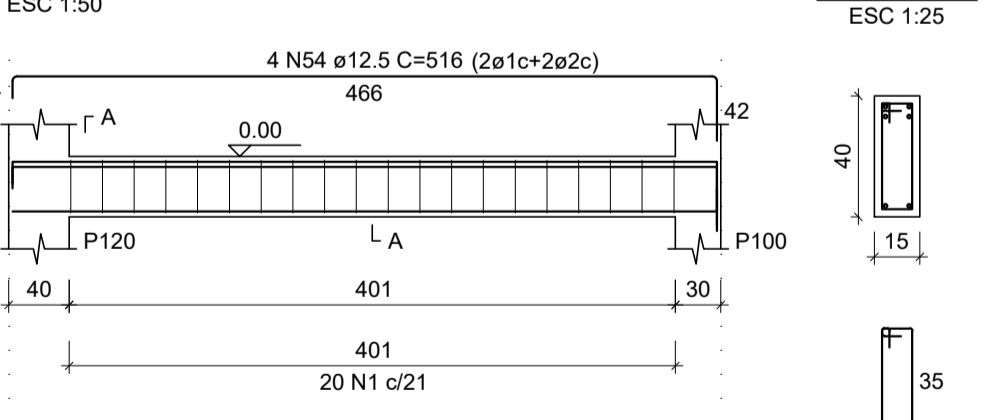
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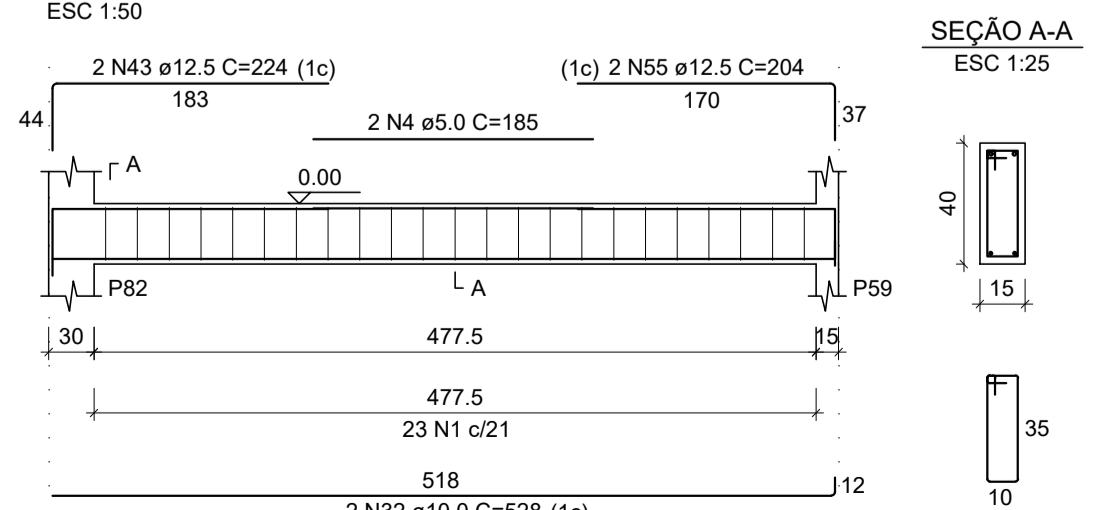
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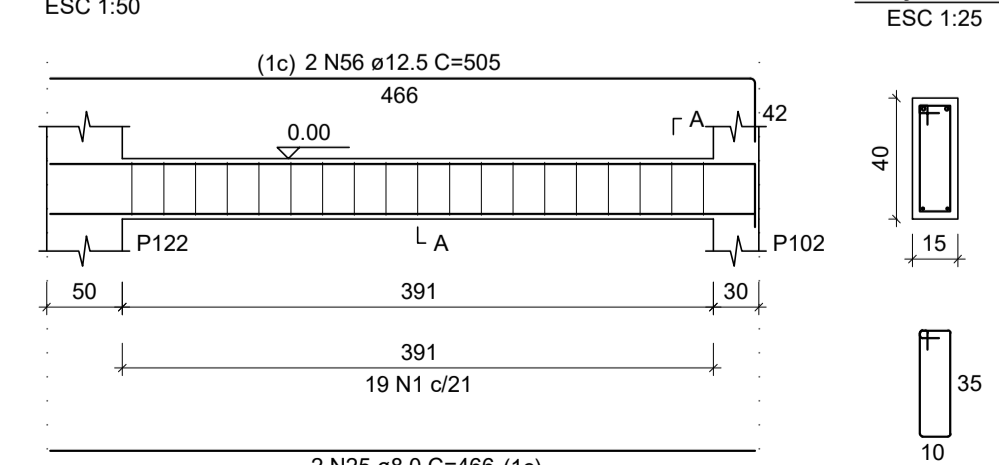
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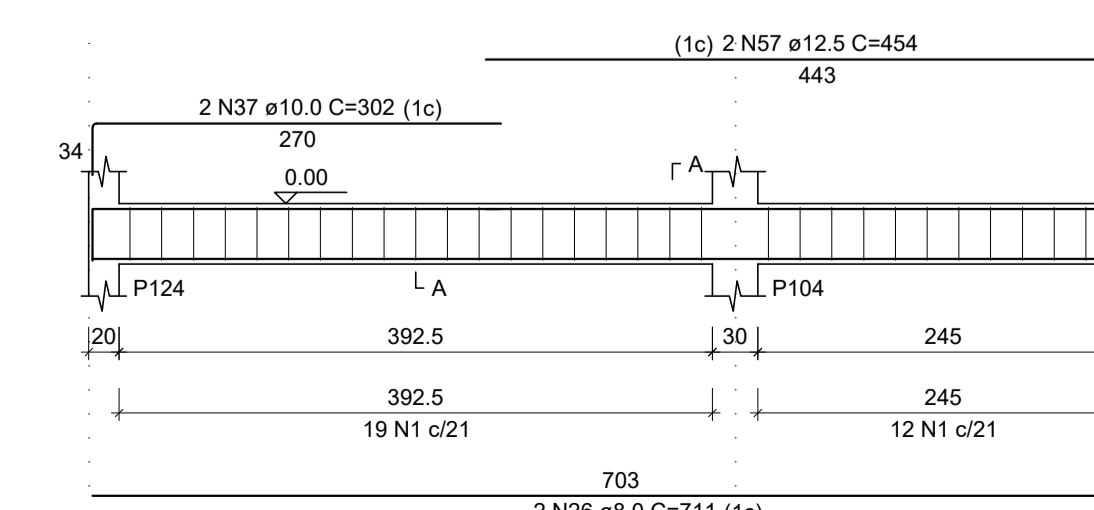
VB89



VB91



VB93





Prefeitura Municipal de Pouso Alegre

<p>PROJETO</p> <p>GERÊNCIA DE PROJETOS DENIS DE SOUZA SILVA CREA: MG-127.216/D</p> <p>COORDENAÇÃO DE PROJETOS ALOSIO CAETANO FERREIRA CREA: MG-97.132/D</p> <p>RESPONSÁVEL TÉCNICO ENGR. CIVIL FLÁVIA C. BARBOSA CREA: MG-187.842/D</p> <p>PROJETO WILLIAM BARADEL LARI</p> <p>DESENHO WILLIAM BARADEL LARI</p>	<p>EMPREENDIMENTO</p> <p><b>IMPLANTAÇÃO DO CEMAPA E CENTRO POP</b></p> <p>ENDEREÇO RUA PROJETADA, BAIRRO SANTA CECÍLIA POUSO ALEGRE - MINAS GERAIS</p> <p>DISCIPLINA ESTRUTURAL</p> <p>FASE DO PROJETO EXECUTIVO</p> <p>FOLHA Nº <b>17/28</b></p>
<p>REV. 00   13/04/20   EMISSÃO INICIAL</p> <p>REVISÃO: DATA : DESCRIÇÃO: RESP.:</p>	<p>DATA INICIAL   ESCALA   REVISÃO   ARQUIVO</p> <p>13/04/2020   INDICADA   ROO   DAC-PMPA-CEPOP-PE-EST-ROO.DWG</p>