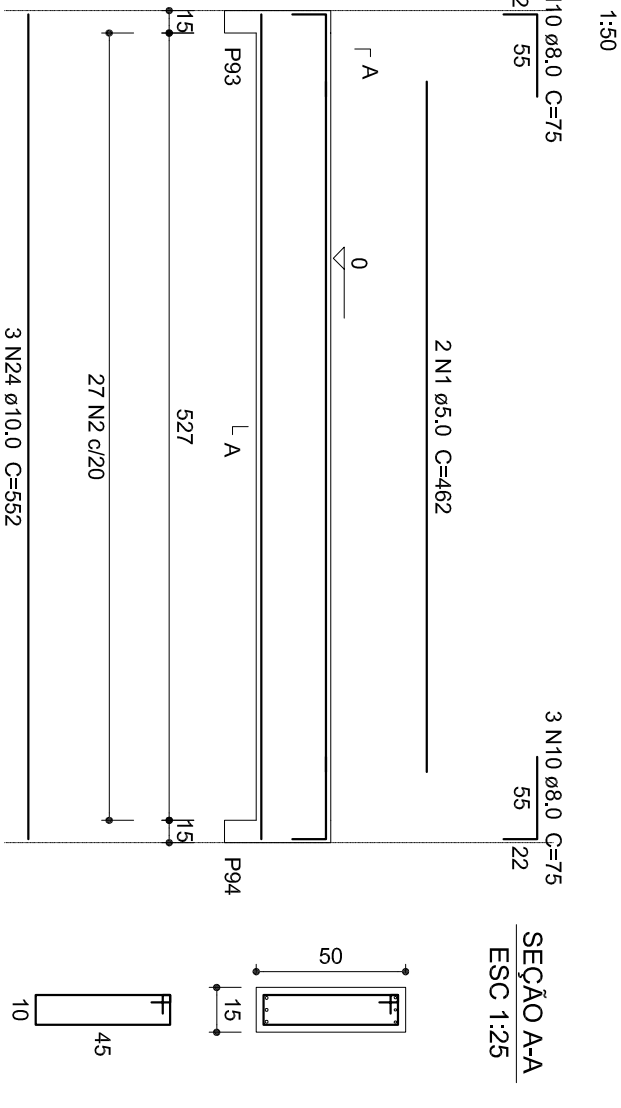
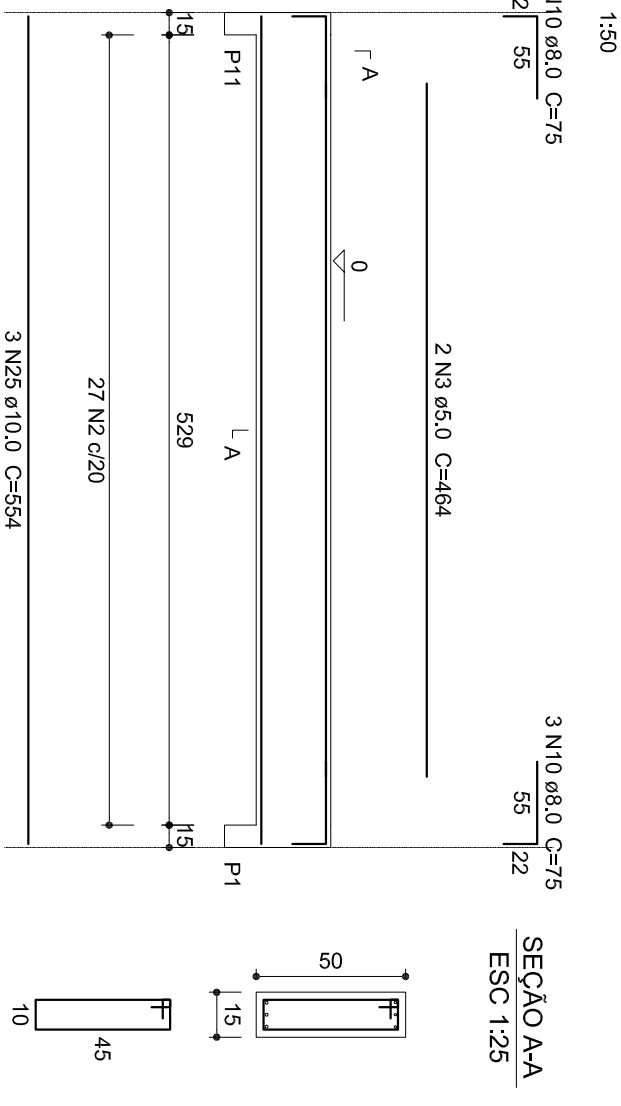


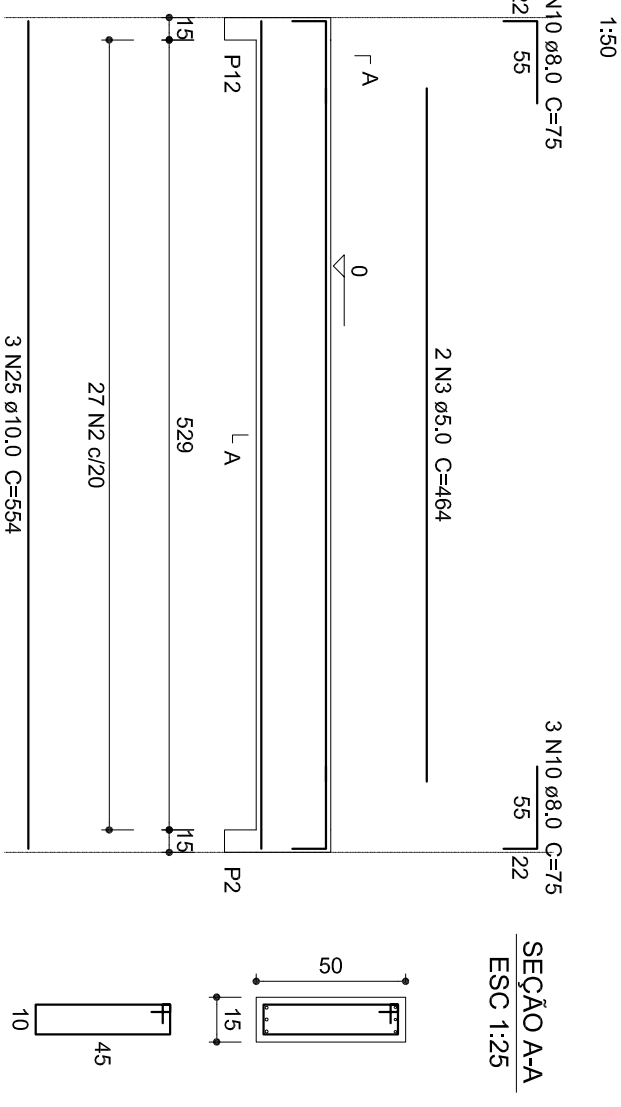
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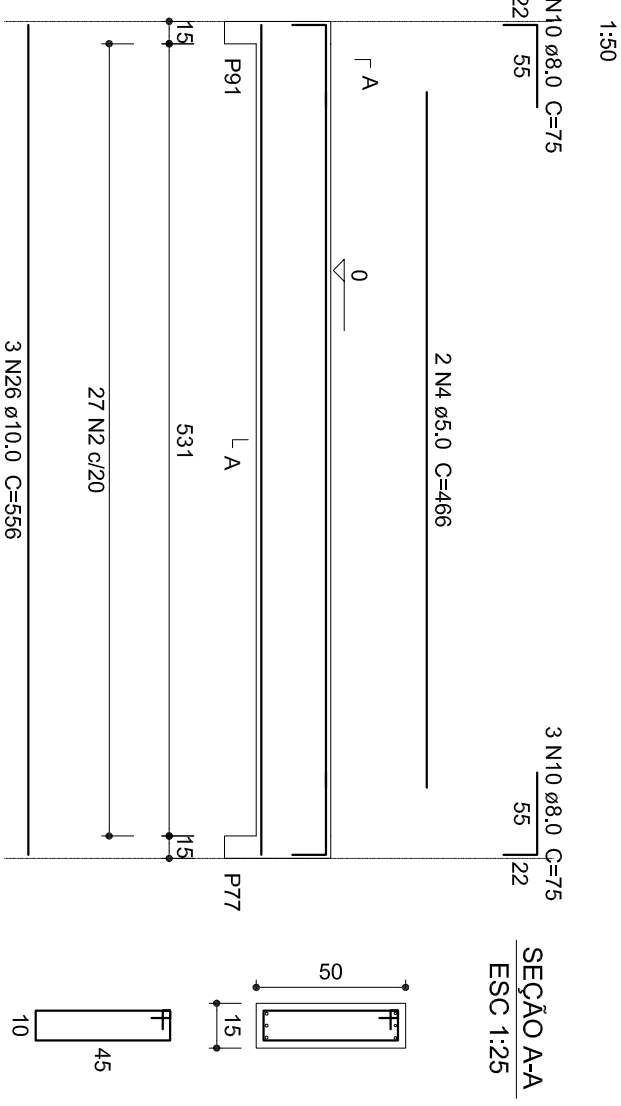
VB56



VB57



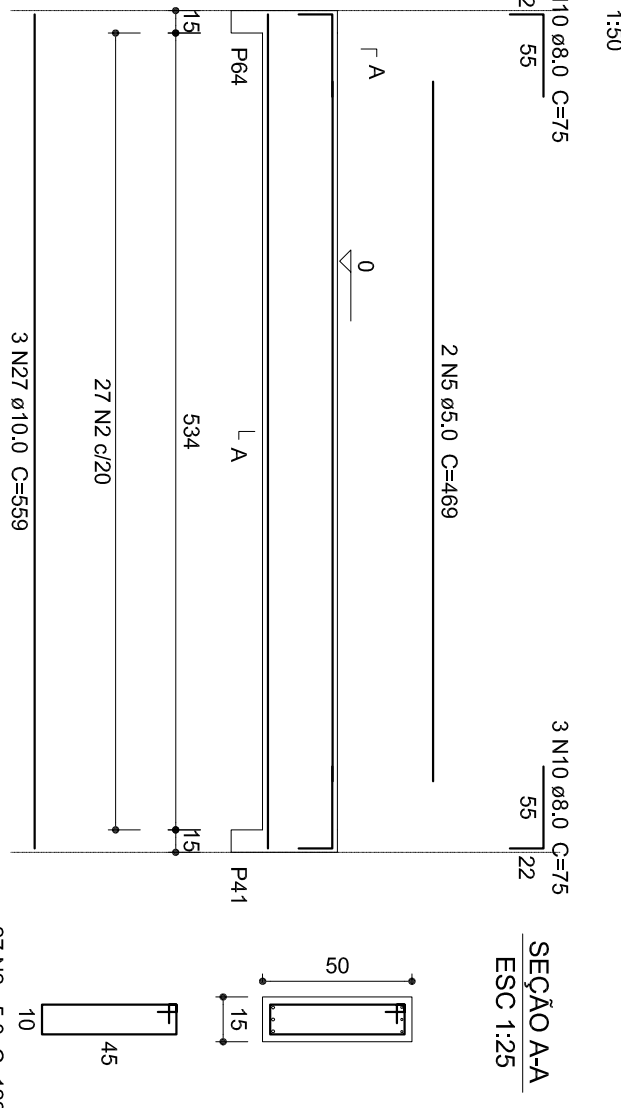
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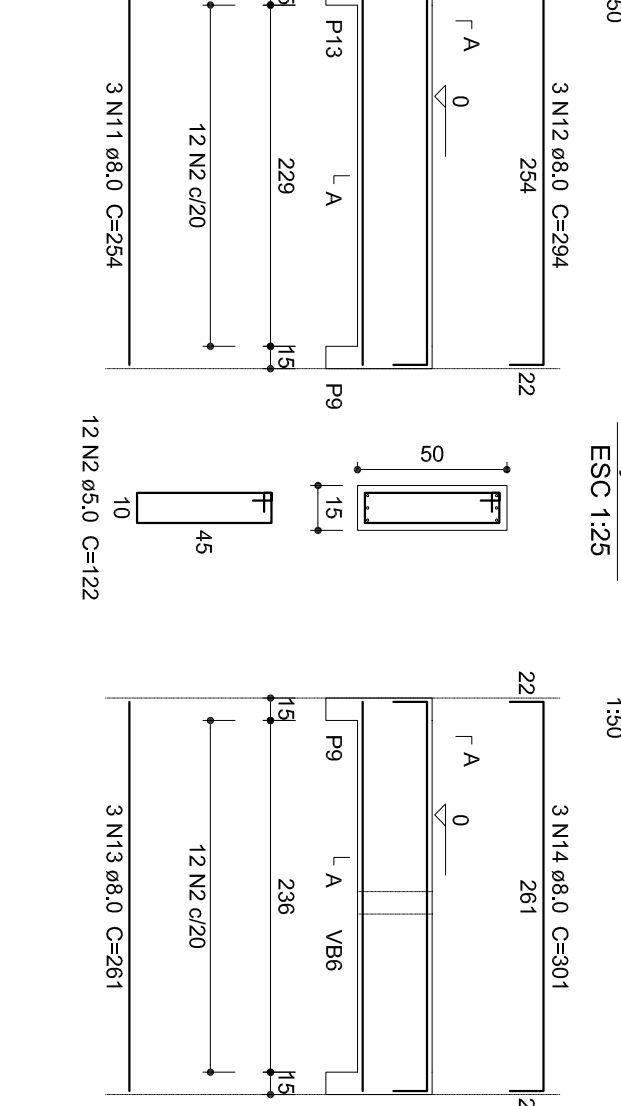
Relação do aço

ACO	N	DIAM	Q	UNIT	C.TOTAL
CA80	1	5,0	2	462	924
	2	5,0	3	538	644
	3	5,0	8	464	3712
	4	5,0	8	466	3728
	5	5,0	8	469	3752
	6	5,0	2	315	630
	7	5,0	2	303	606
	8	5,0	2	353	706
	9	5,0	2	353	706
CA50	10	8,0	96	75	7200
	11	8,0	6	254	1524
	12	8,0	6	294	1764
	13	8,0	6	261	1566
	14	8,0	6	260	1548
	15	8,0	6	260	1548
	16	8,0	9	300	2700
	17	8,0	4	315	1260
	18	8,0	3	383	1179
	19	8,0	1	291	291
	20	8,0	3	291	873
	21	8,0	3	413	1239
	22	8,0	3	287	861
	23	8,0	3	327	981
	24	10,0	3	552	1656
	25	10,0	12	554	6648
	26	10,0	1	556	556
	27	10,0	2	246	492
	28	10,0	2	246	492
	29	10,0	8	575	4600

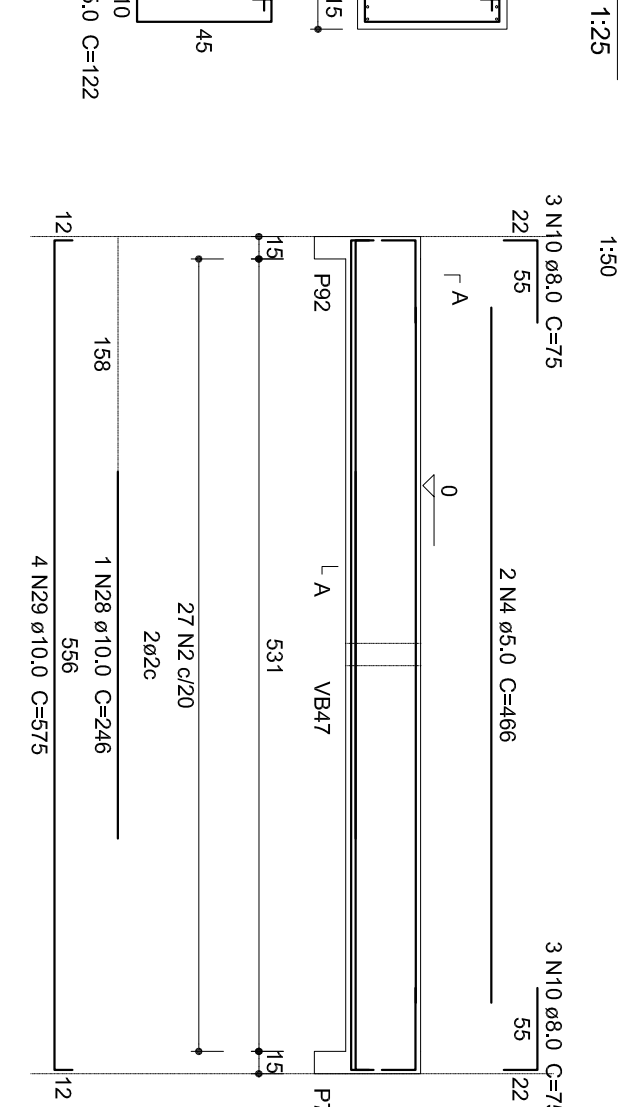
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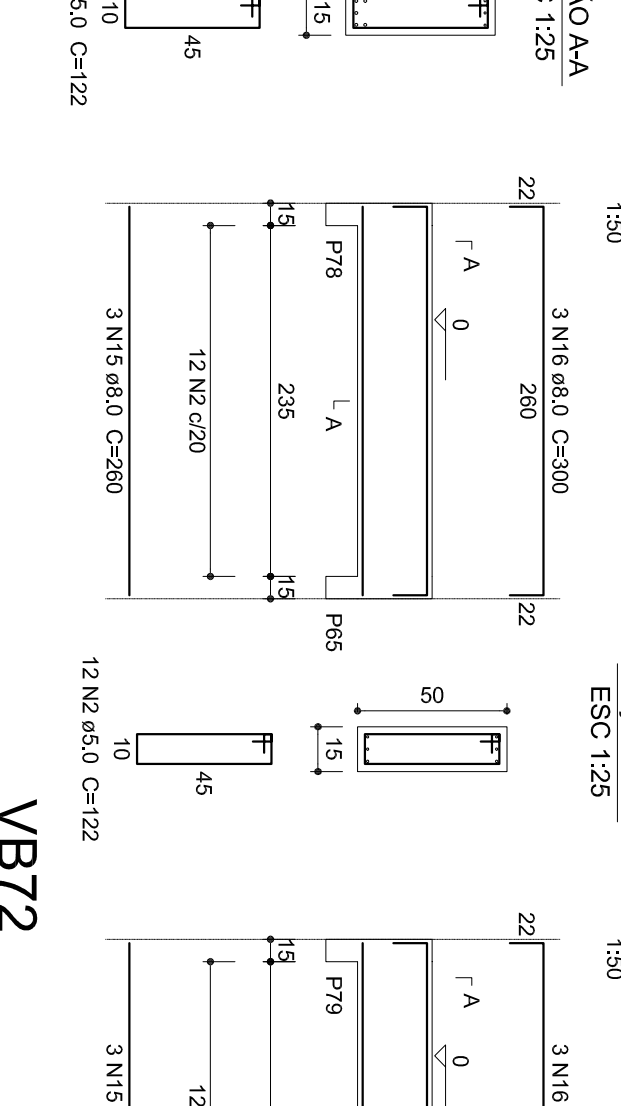
VB61



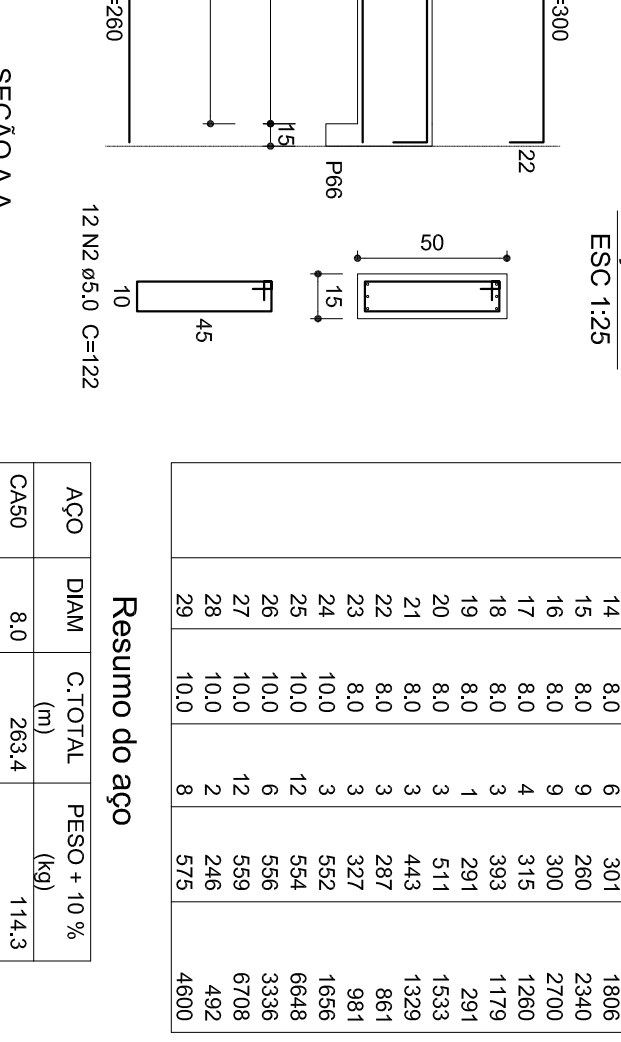
VB62



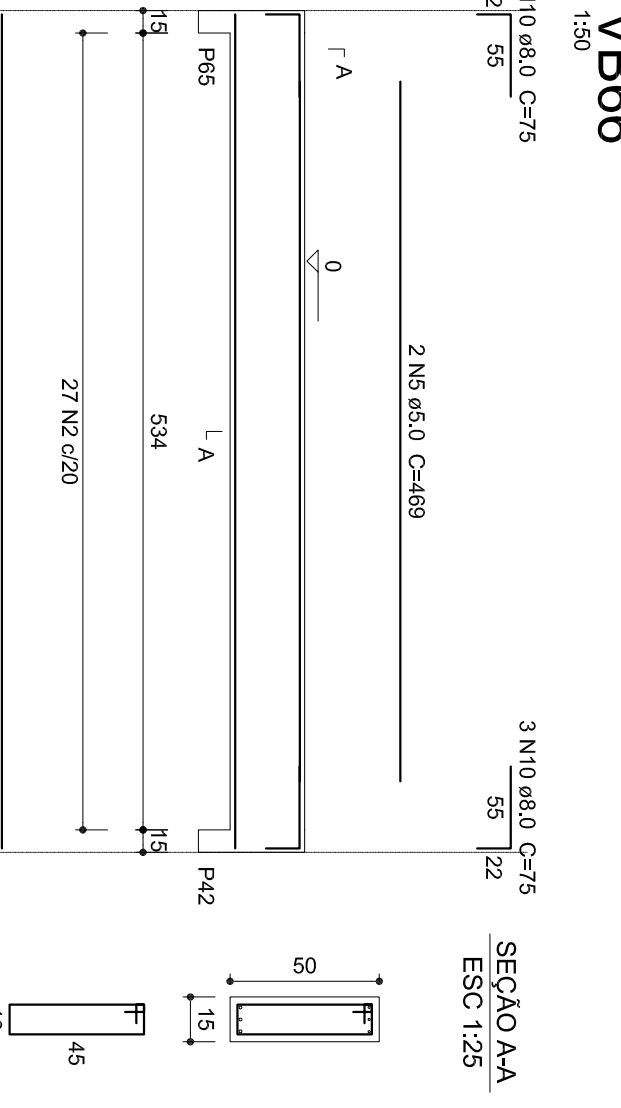
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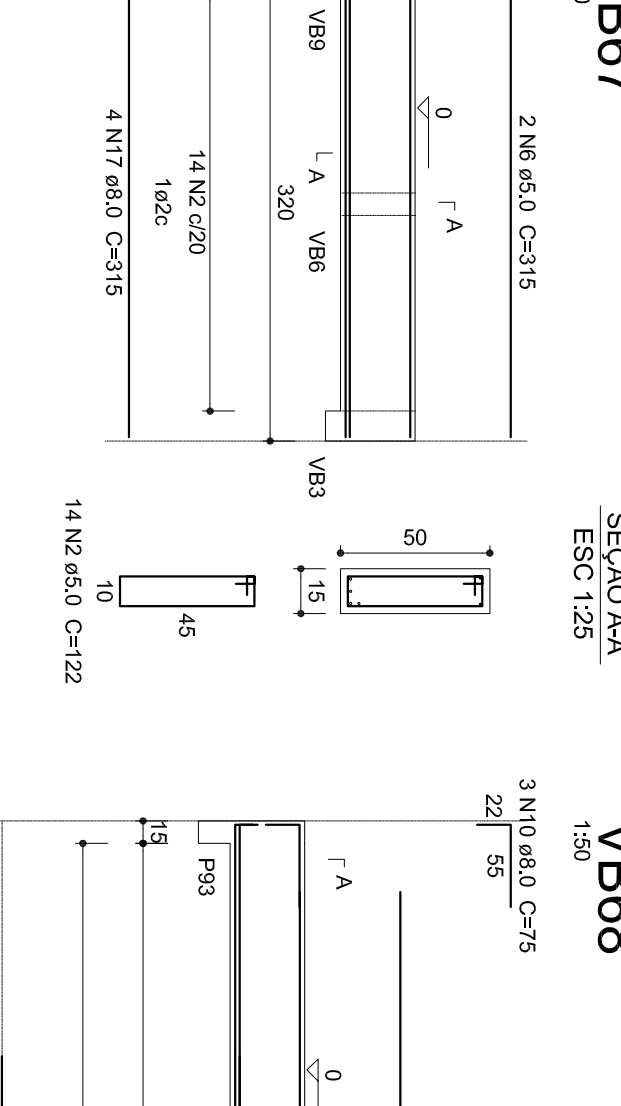
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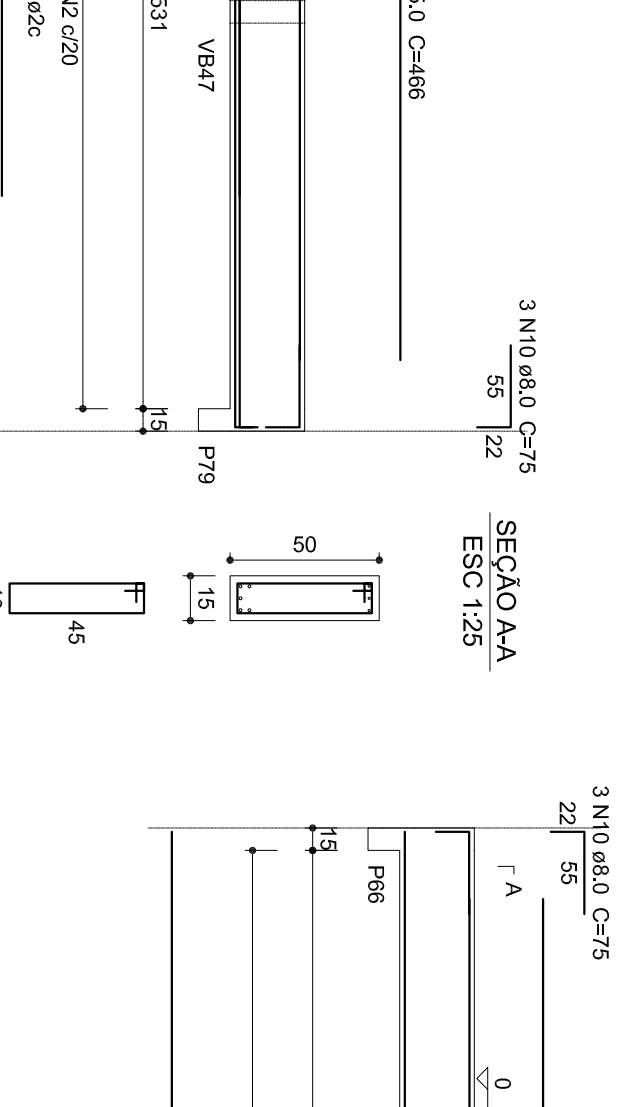
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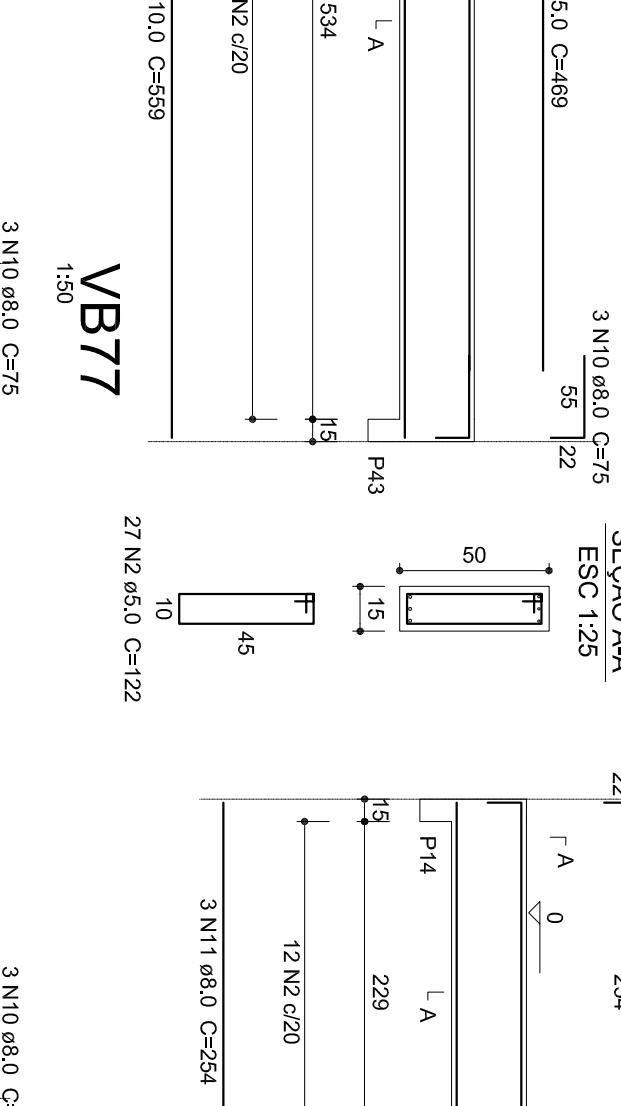
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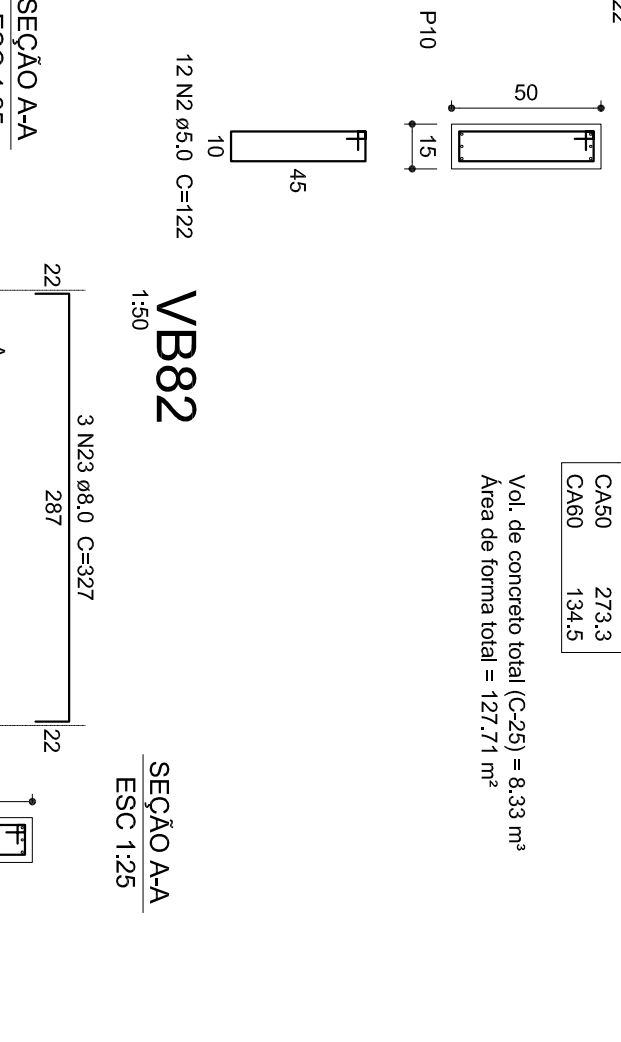
VB68



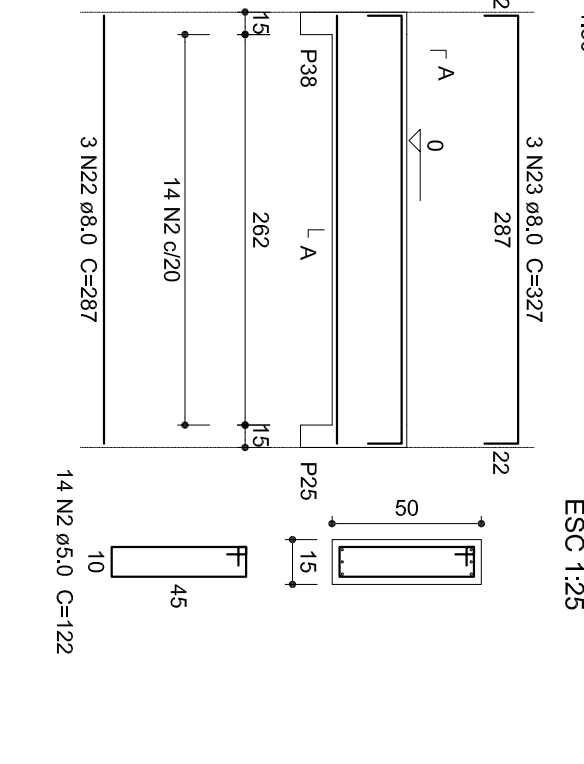
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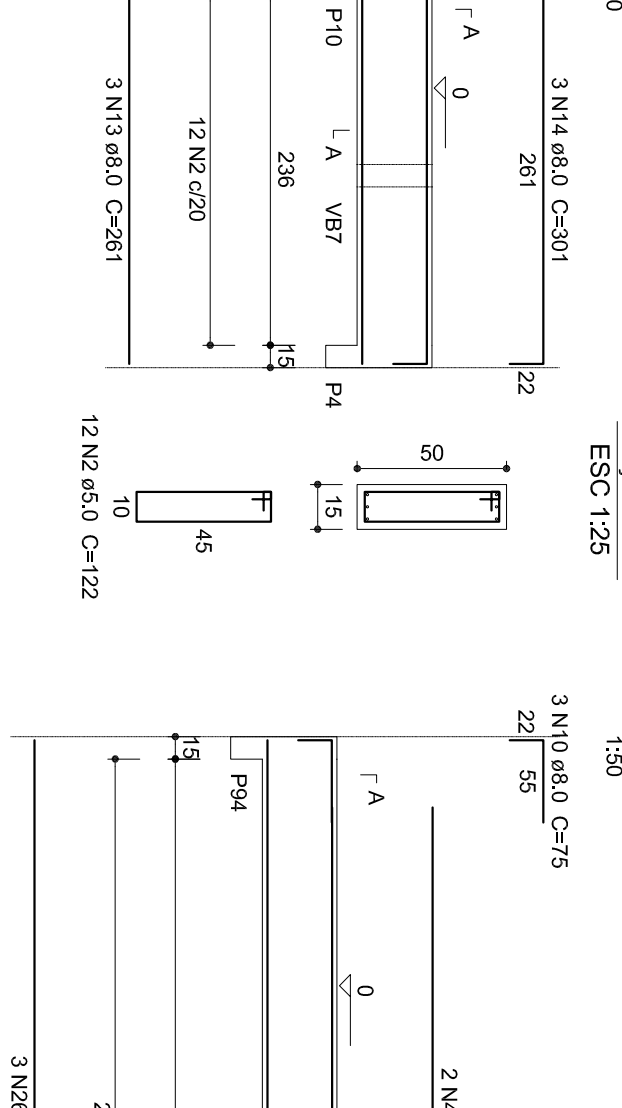
VB72



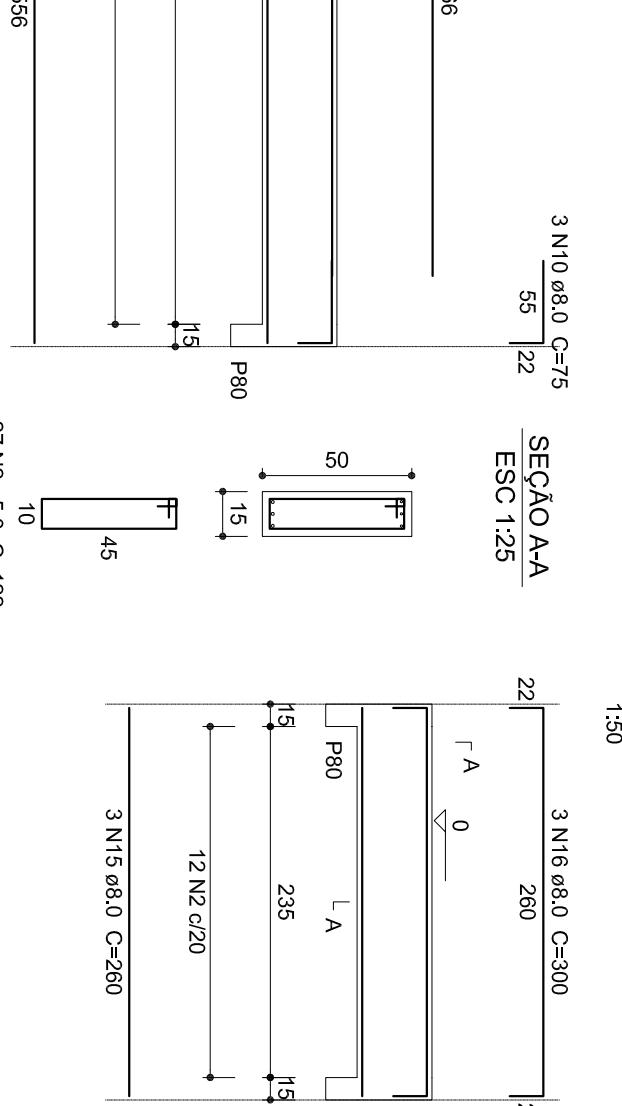
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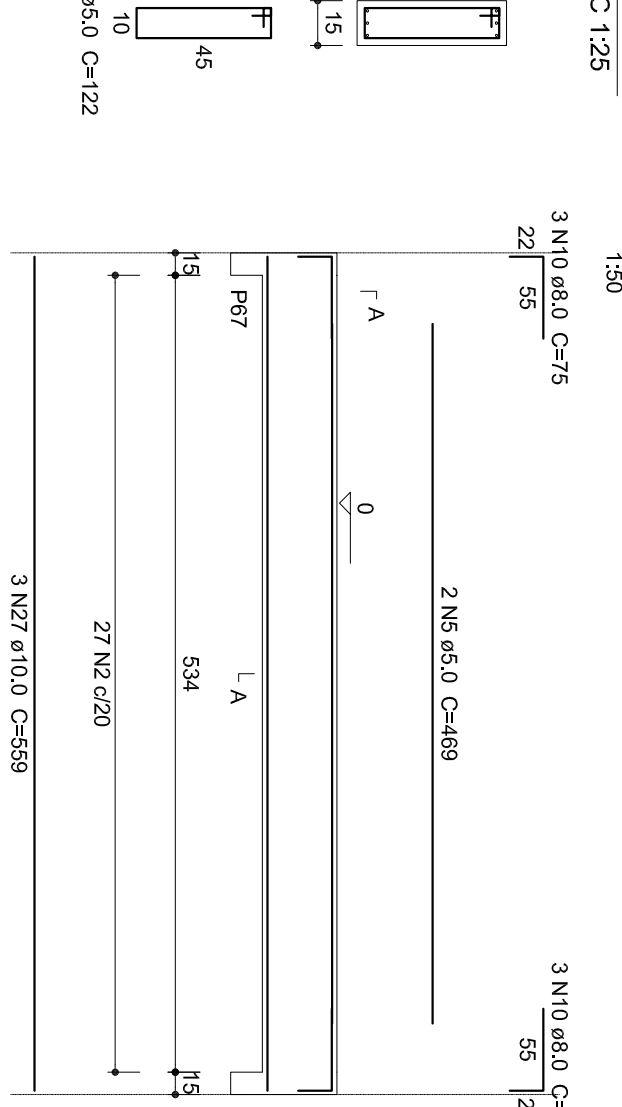
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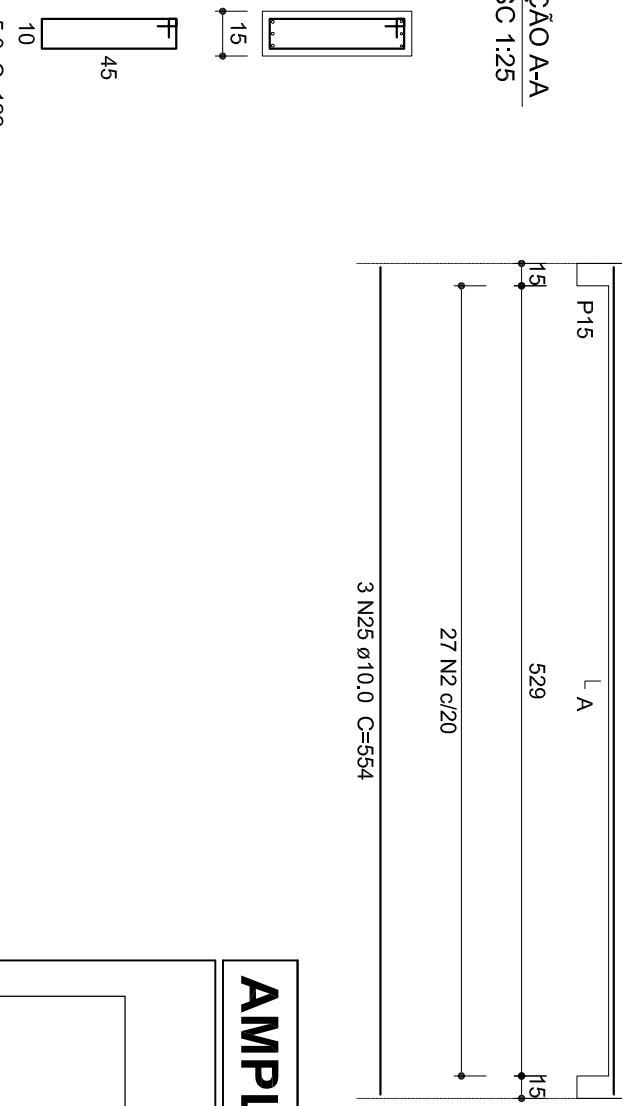
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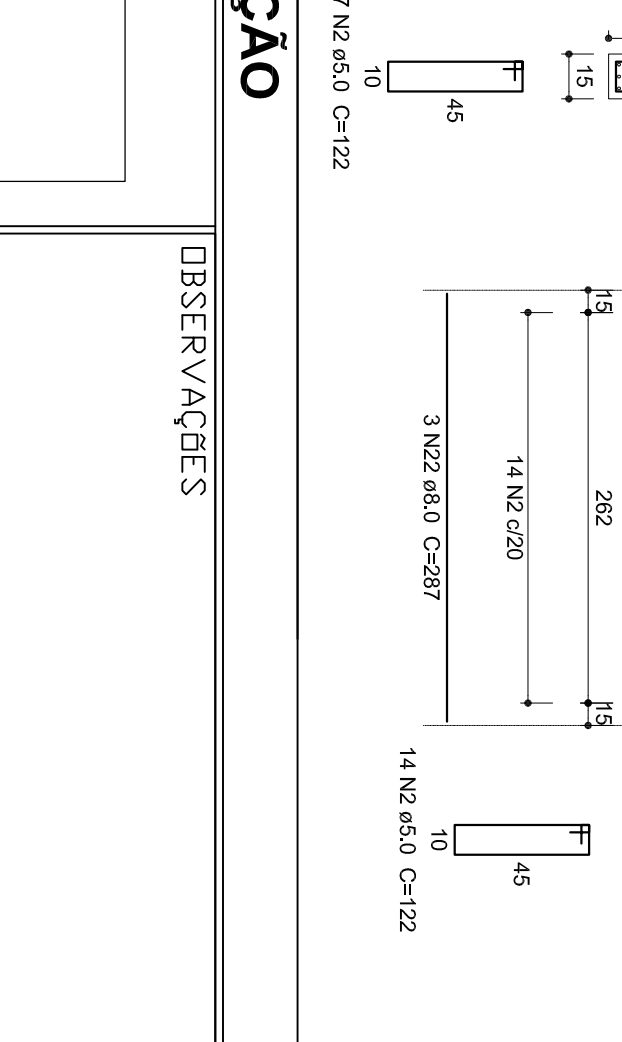
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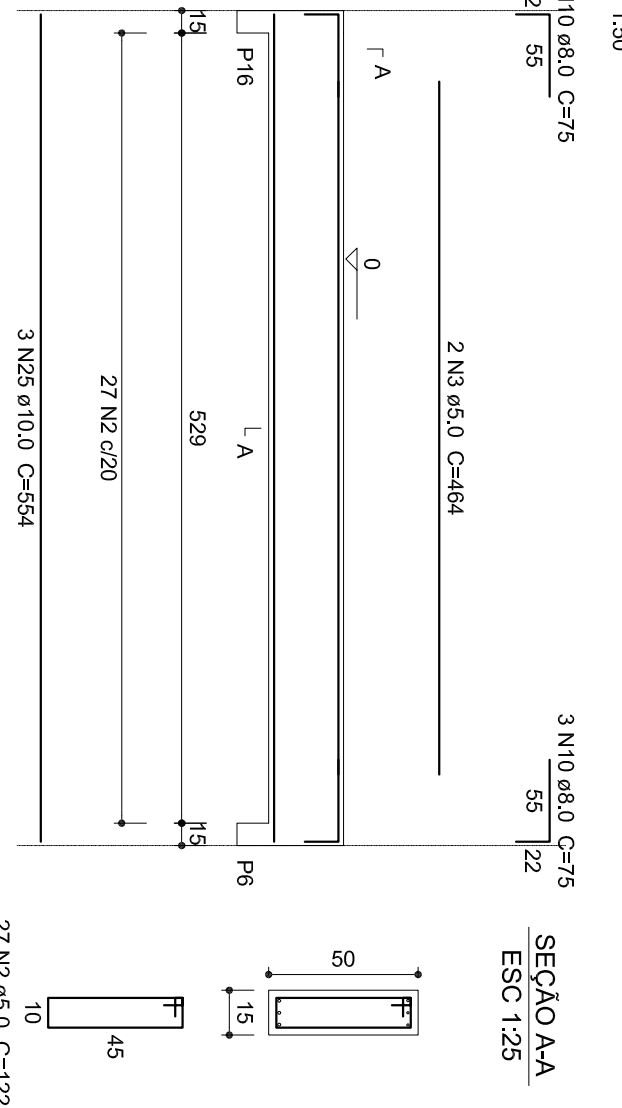
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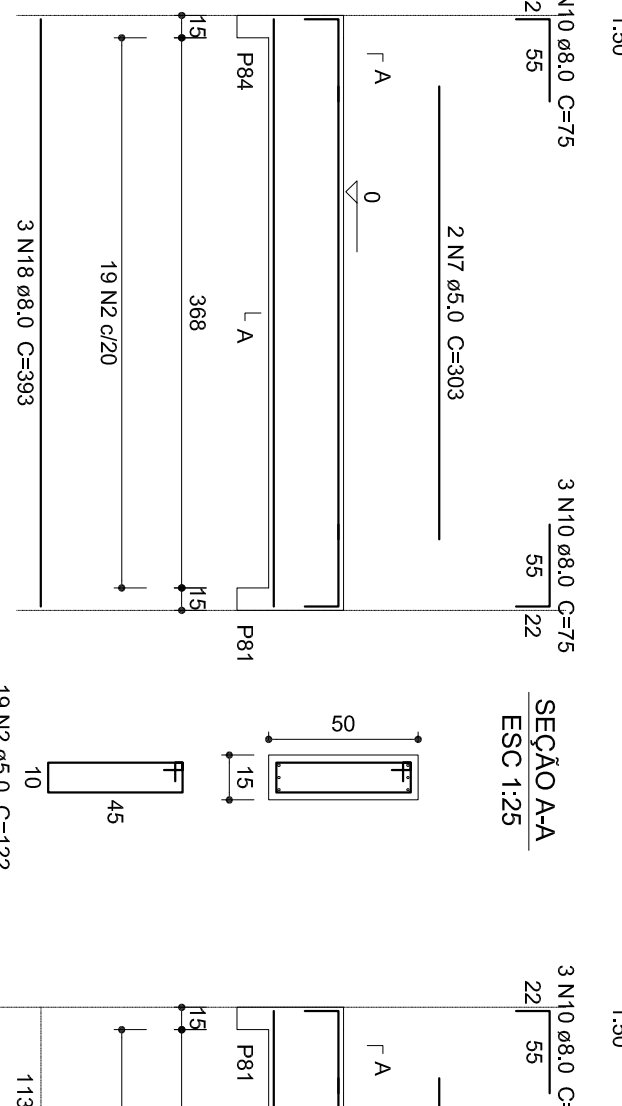
VB77



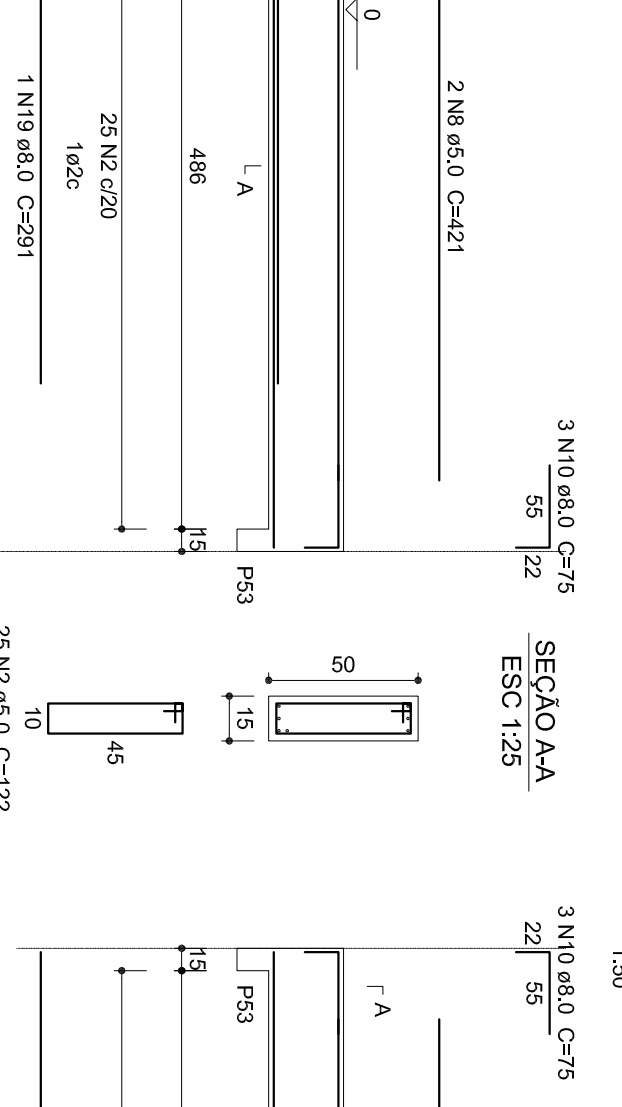
VB78



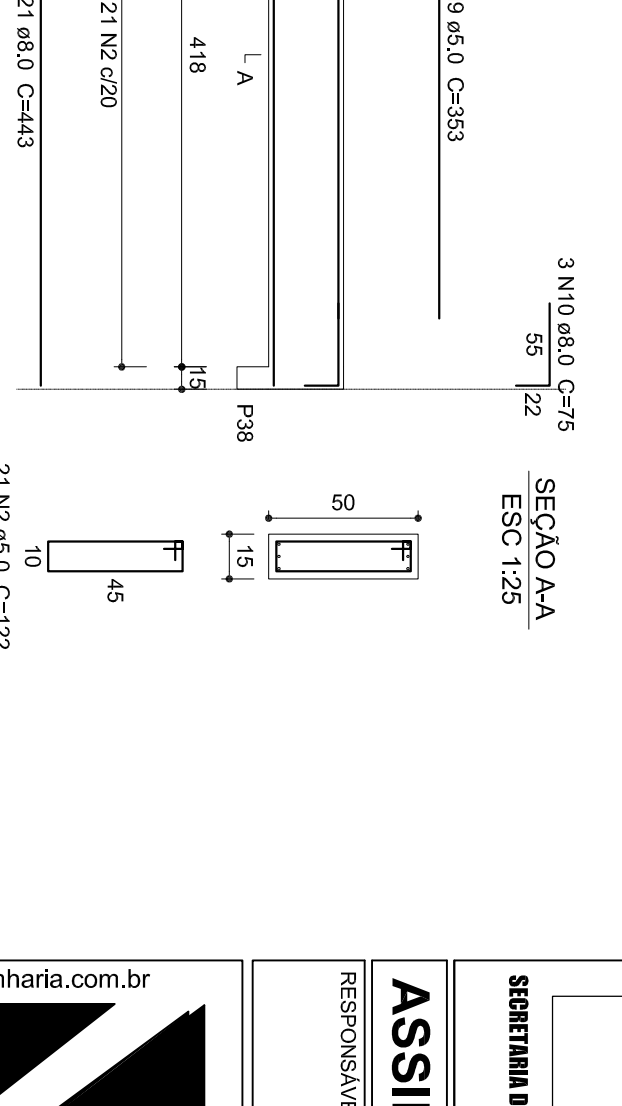
VB79



VB80



VB81



AMPLIAÇÃO

OBSERVAÇÕES

SECRETARIA DE EDUCAÇÃO DE JOINVILLE

ASSINATURAS

RESPONSÁVEL TÉCNICO:

REQUERENTE:

PROJETO ESTRUTURAL

OBRA: CEI ULYSES GUIMARÃES

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE JOINVILLE - SC

REQUERENTE: SECRETARIA DE EDUCAÇÃO

LOCAL: RUA CIDADE DE BARRETOS

CONTEÚDO: VIGAS 03-05

EQUIPE TÉCNICA: Eng.º Ulysses Guimarães - CREASC 079.486-5

Eng.º Civil João R. Lisboa Oneda - CREASC 062.279-3

Eng.º Civil Wagner Brasil - CREASC 083.906-4

Eng.º Civil Wagner Brasil - CREASC 083.906-4

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PROJETO

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