

P1=P2=P3=P4=P5=P6=P7=P8=P9=
P10=P11=P12=P13=P14=P15

Relação do aço

ACO	N	DIAM (mm)	QUANT. (Barras)	UNIT. (cm)	C.TOTAL (cm)
CA60	1	5,0	105	68	7140
CA60	2	5,0	30	228	6840
CA60	3	5,0	30	180	5400
CA60	4	6,3	75	228	17100
CA60	5	10,0	60	50	3000

Resumo do aço

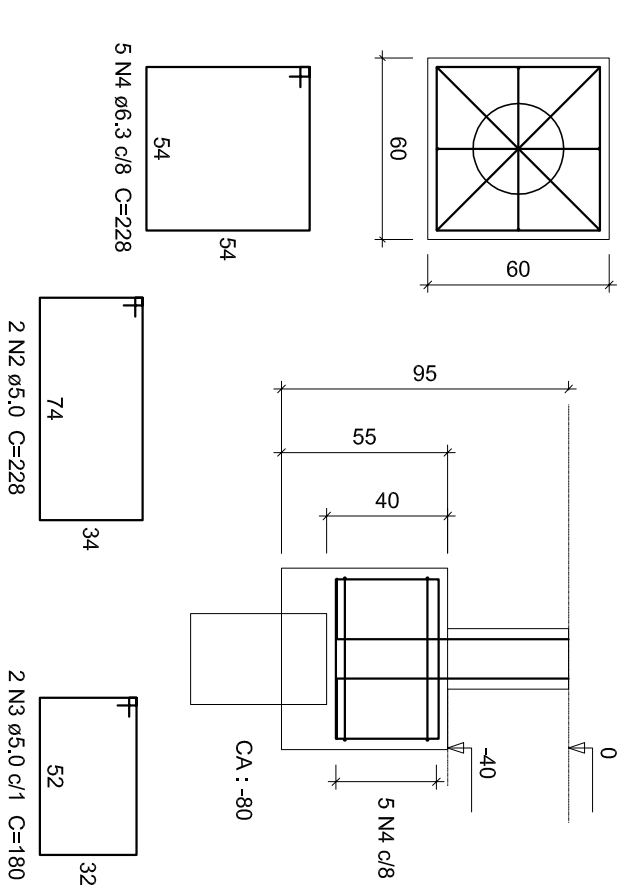
ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA60	5,0	71	48
CA60	10,0	57	38,7
PESO TOTAL (kg)		138,8	32,3
CA50		84,7	
CA60		32,9	

Volume de concreto (C-25) = 3,29 m³
Área de forma = 29,4 m²

B1=B2=B3=B4=B5=B6=B7=B8=B9=B10=B11=B12
=B13=B14=B15

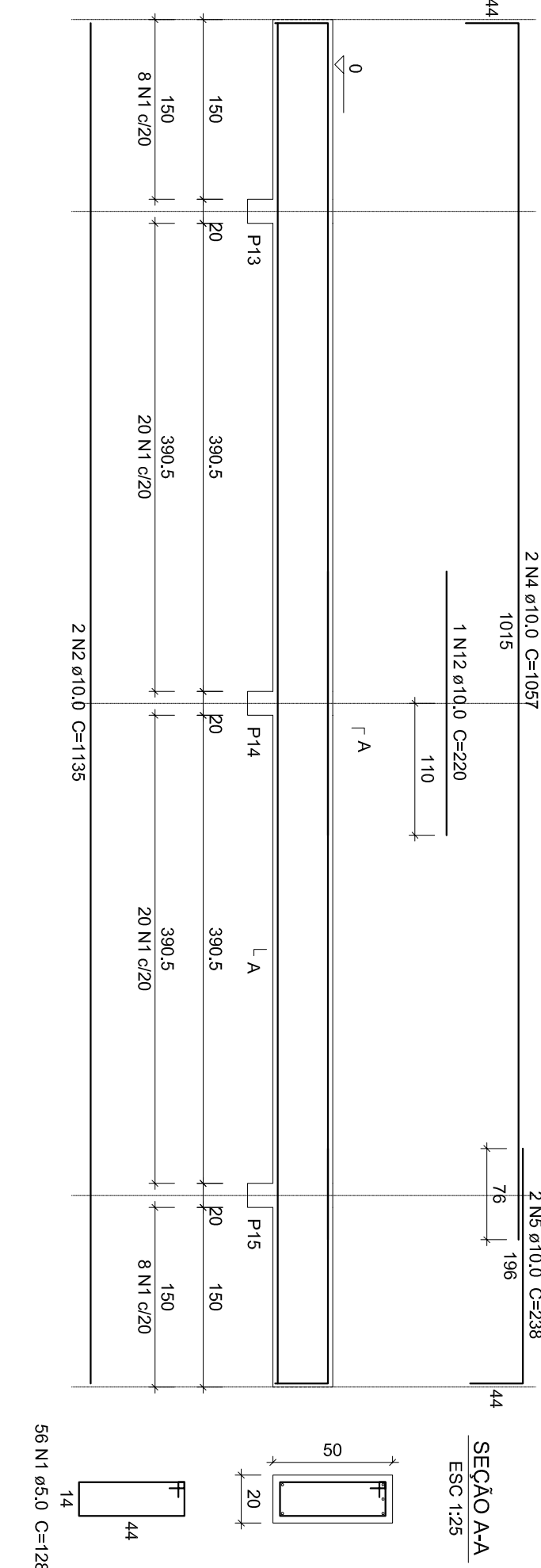
1XC20
PLANTA
ESC 1:25

CORTE
ESC 1:25



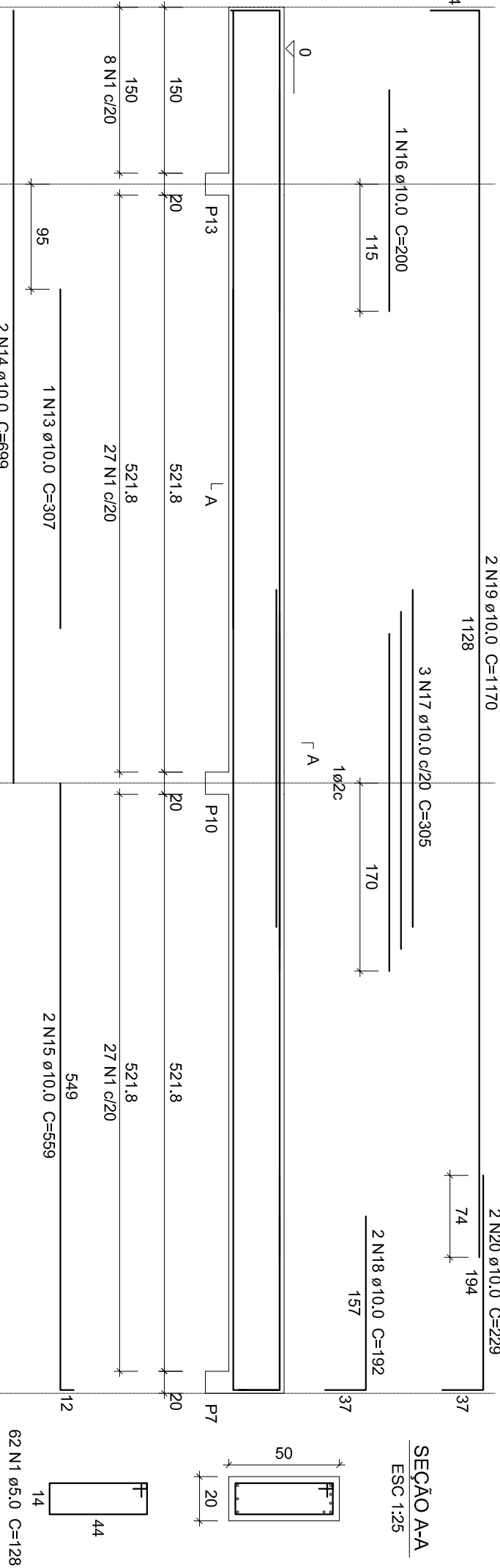
V5

ESC 1:50



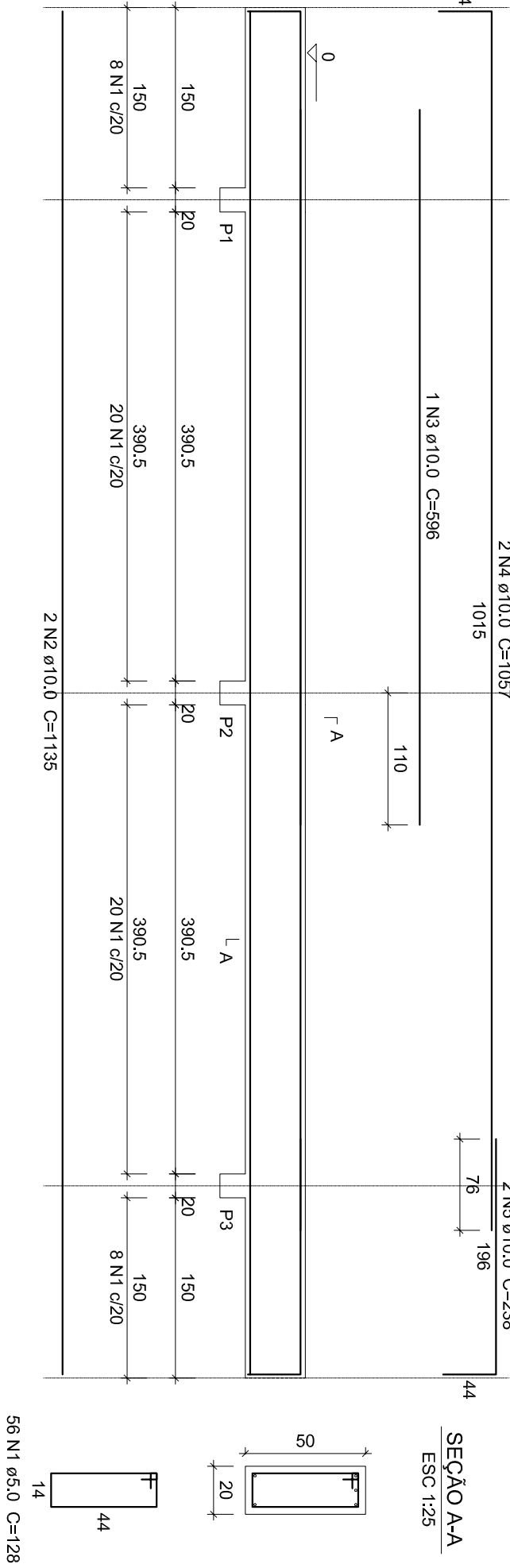
V6

ESC 1:50



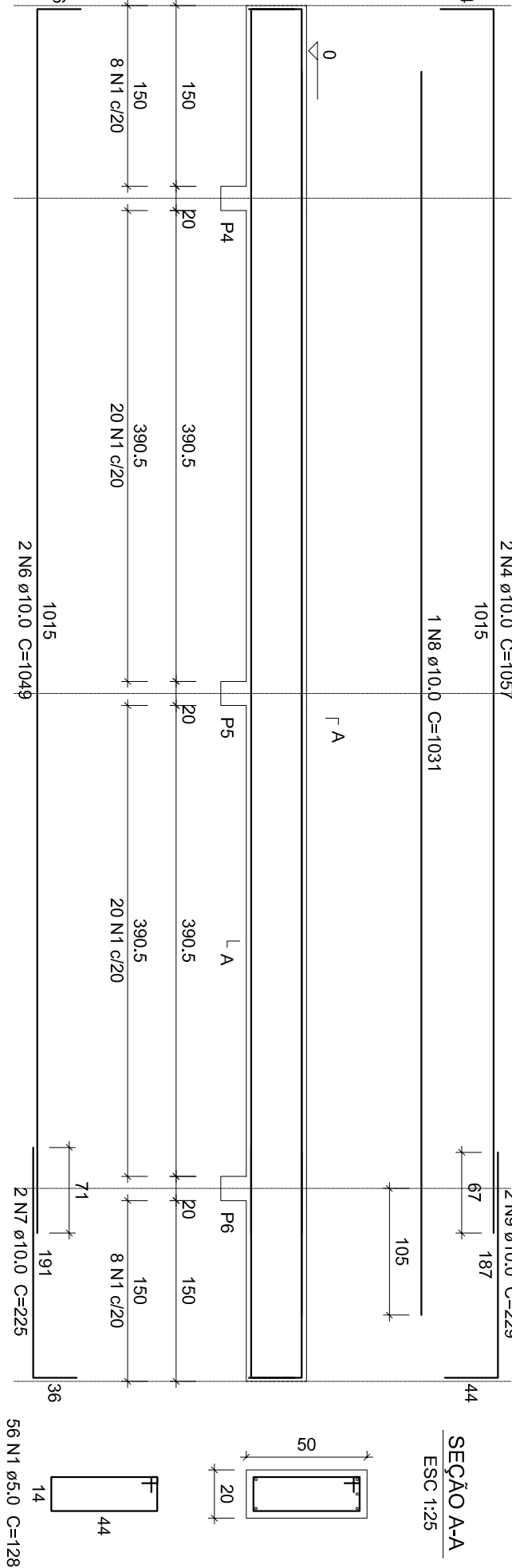
V1

ESC 1:50



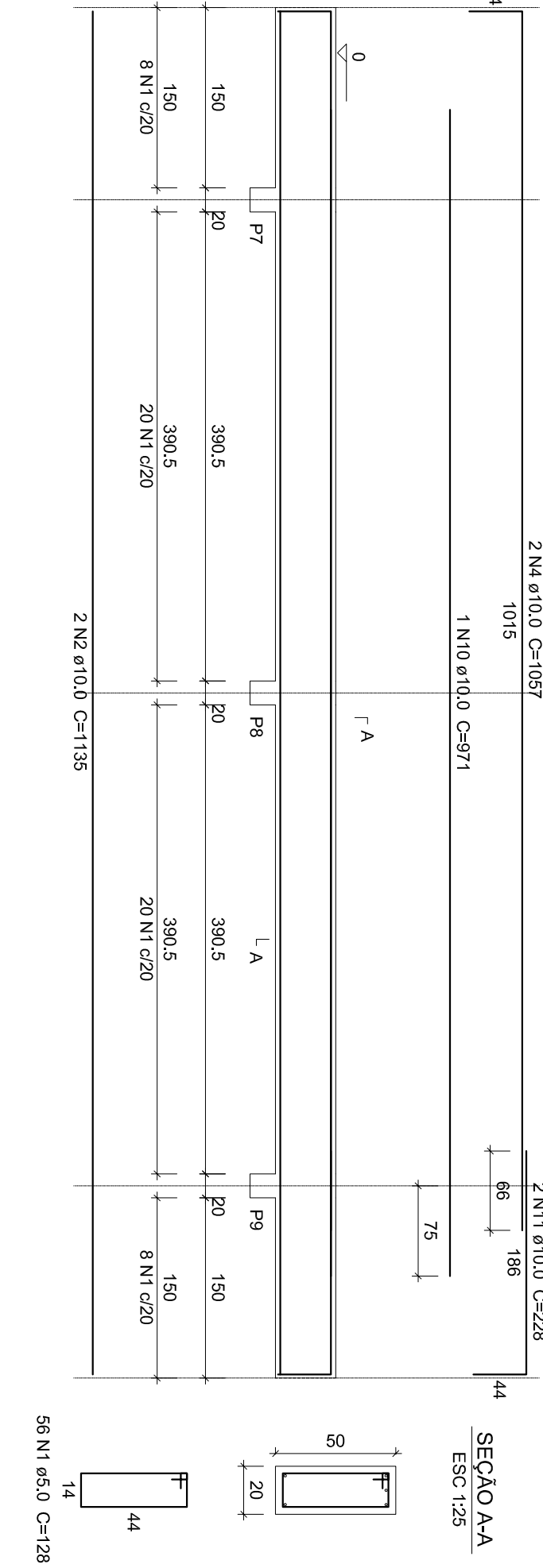
V2

ESC 1:50



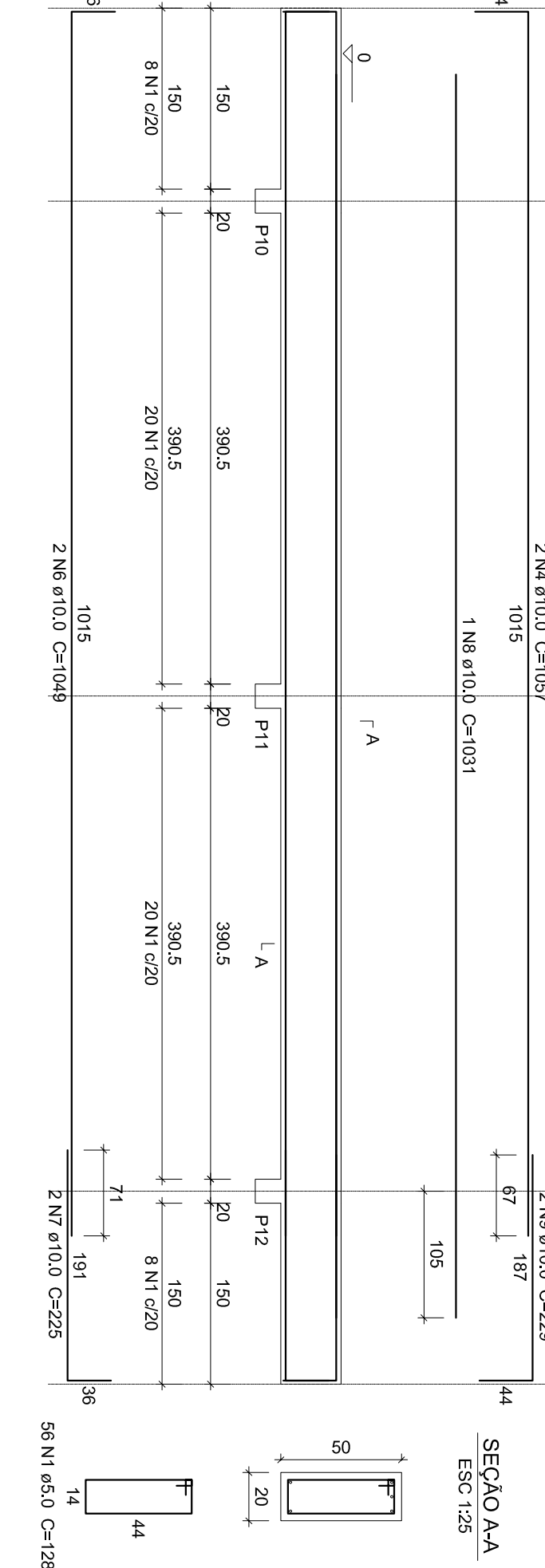
V3

ESC 1:50



V4

ESC 1:50



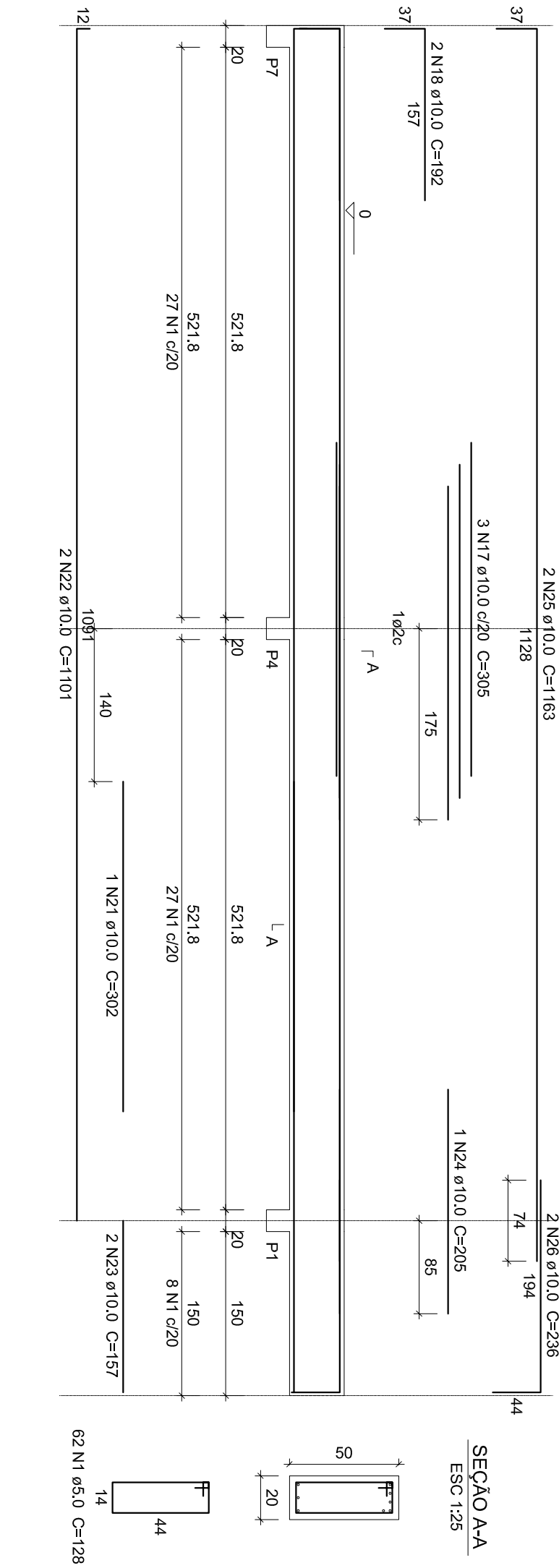
Relação do aço (V1 a V9)

ACO	N	DIAM (mm)	QUANT. (Barras)	UNIT. (cm)	C.TOTAL (cm)
CA60	1	5,0	652	68	44336
CA60	2	10,0	1135	180	204300
CA60	3	10,0	1	596	596
CA60	4	10,0	10	1057	10570
CA60	5	10,0	4	238	952
CA60	6	10,0	4	1049	4196
CA60	7	10,0	4	225	890
CA60	8	10,0	2	1070	2140
CA60	9	10,0	6	229	1374
CA60	10	10,0	1	971	971
CA60	11	10,0	2	228	456
CA60	12	12,0	220	220	4840
CA60	13	10,0	3	307	921
CA60	14	10,0	4	154	616
CA60	15	10,0	6	559	3354
CA60	16	10,0	3	200	600
CA60	17	17,0	12	305	3660
CA60	18	18,0	8	192	1536
CA60	19	10,0	6	1170	7020
CA60	20	10,0	4	228	916
CA60	21	10,0	2	1070	2140
CA60	22	22,0	6	1100	6600
CA60	23	23,0	6	157	942
CA60	24	10,0	3	205	615
CA60	25	10,0	4	1183	4652
CA60	26	10,0	4	238	944
CA60	27	10,0	2	542	1084
CA60	28	10,0	2	272	544
CA60	29	10,0	7	285	1995
CA60	30	10,0	4	183	732
CA60	31	10,0	1	243	243
CA60	32	10,0	2	199	398
CA60	33	10,0	2	186	372
CA60	34	10,0	2	1159	2318

Volume de concreto (C-25) = 13,23 m³
Área de forma = 158,71 m²

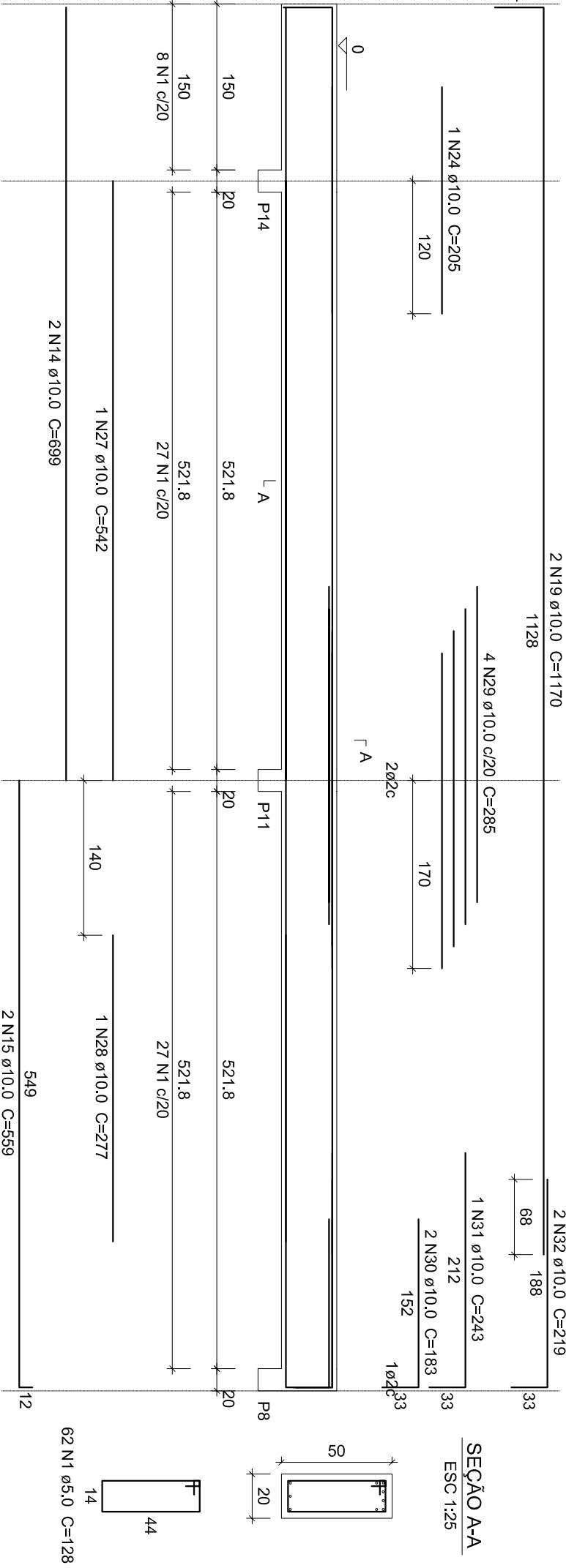
V7

ESC 1:50



V8

ESC 1:50



CONTRATADA		CONTRATANTE	
INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA CATARINENSE – REITORIA		INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA CATARINENSE	
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ENDEREÇO: RUA DAS MISSÕES, 100		ENDEREÇO: AV. HUGO SCHLOSSER	
BLUMENAU – SC		BRUSQUE – SC	
AUTORIA DO PROJETO: ENG. MARIO C. ALEXANDRE JUNIOR		CONTRATANTE:	
CREA-SC: 119087-1			
NOME DO PROJETO: FUNDAÇÕES E PISO – AUDITÓRIO			
OBJETIVO DO PROJETO: CONSTRUÇÃO		TIPO DE PROJETO: ESTRUTURAL	
AUTORIA DO DESENHO: ENG. MARIO C. ALEXANDRE JR			
CIDADE – UF: BLUMENAU – SC		REVISÃO Nº: 01	
DATA: 04/2014		ESCALA: INDICADA	
		REFERENCIA: EST. 02/04	