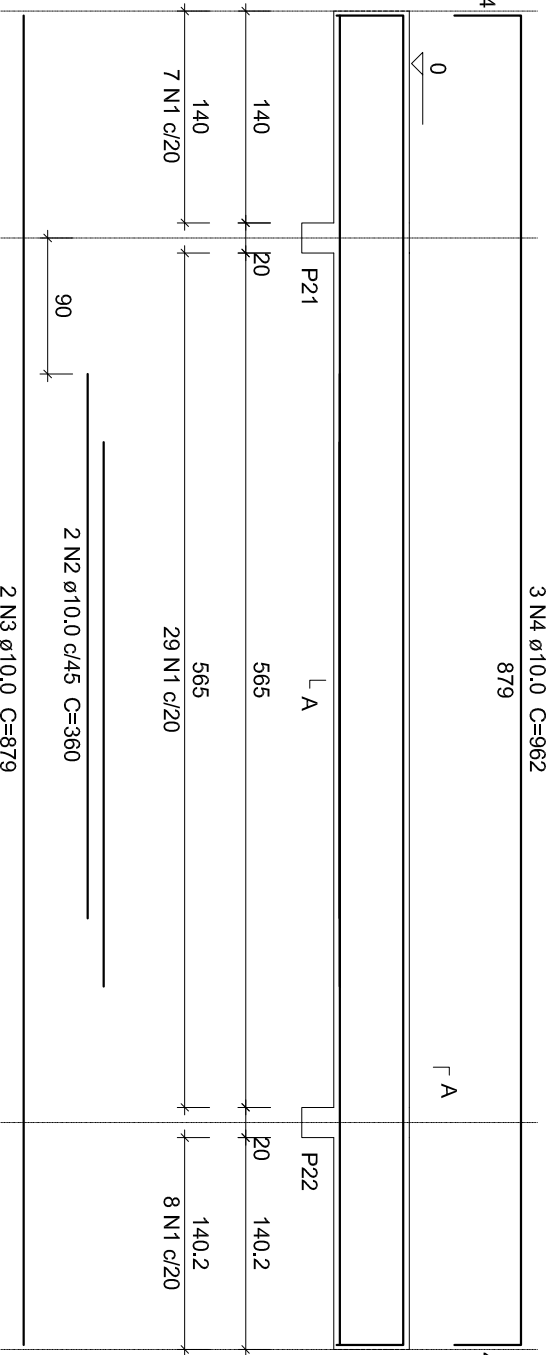
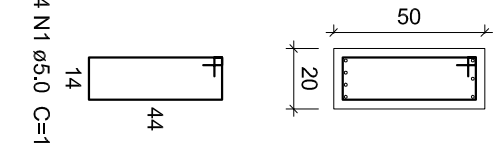


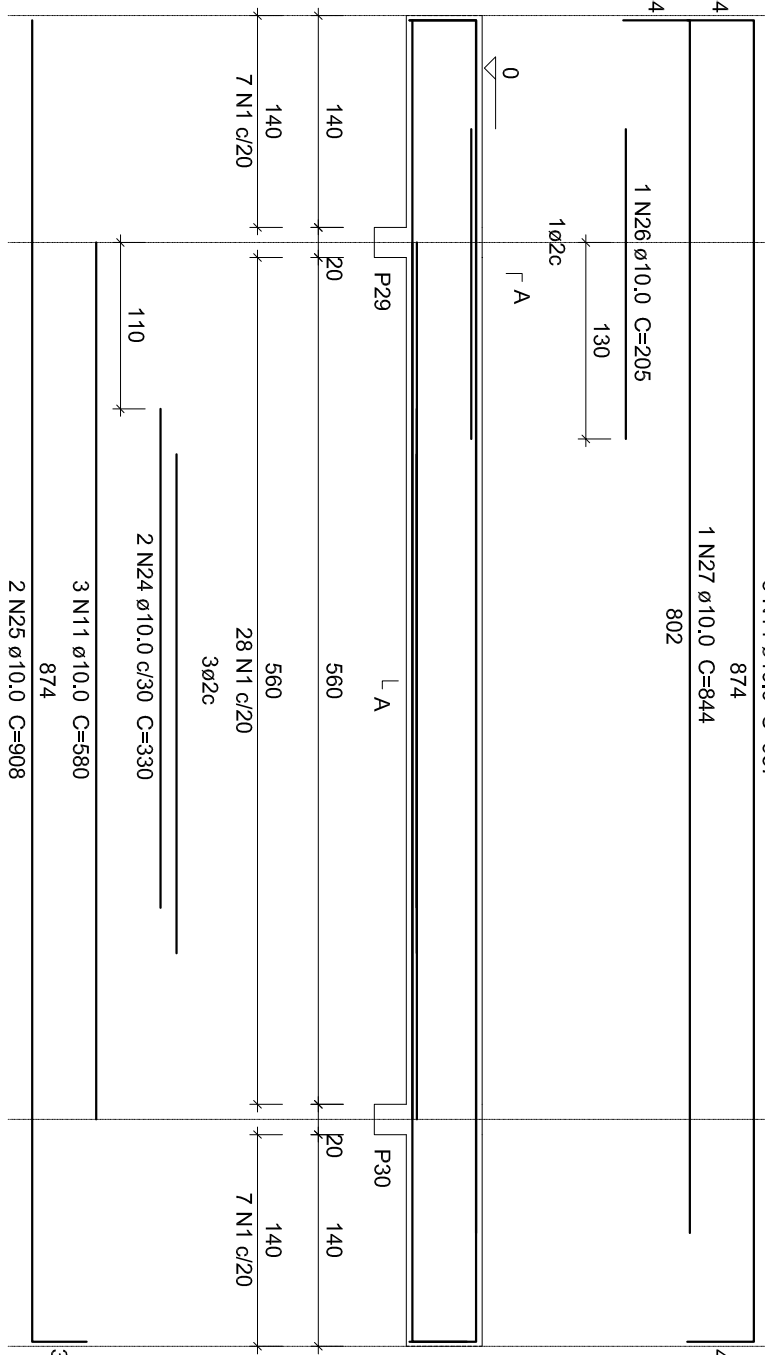
V11
ESC 1:50



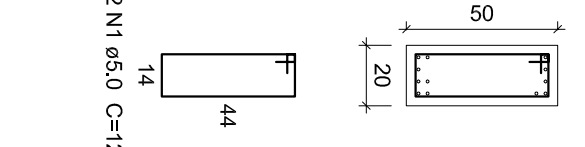
SEÇÃO A-A
ESC 1:25



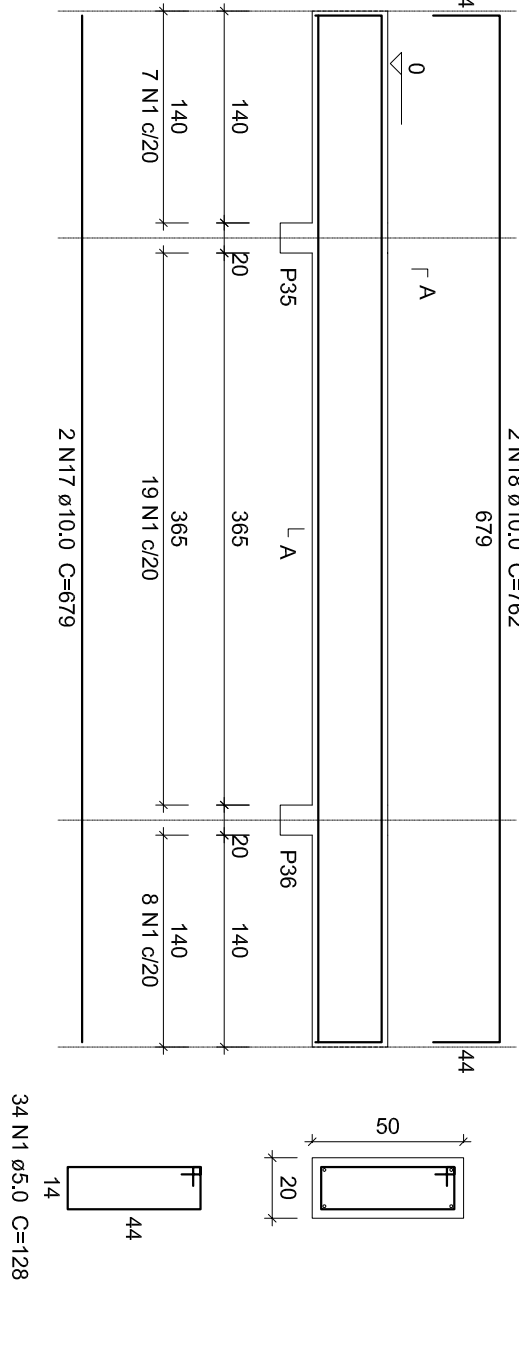
V15
ESC 1:50



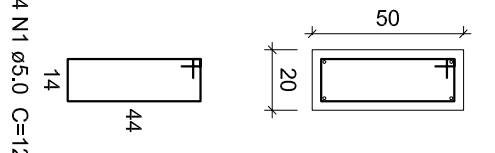
SEÇÃO A-A
ESC 1:25



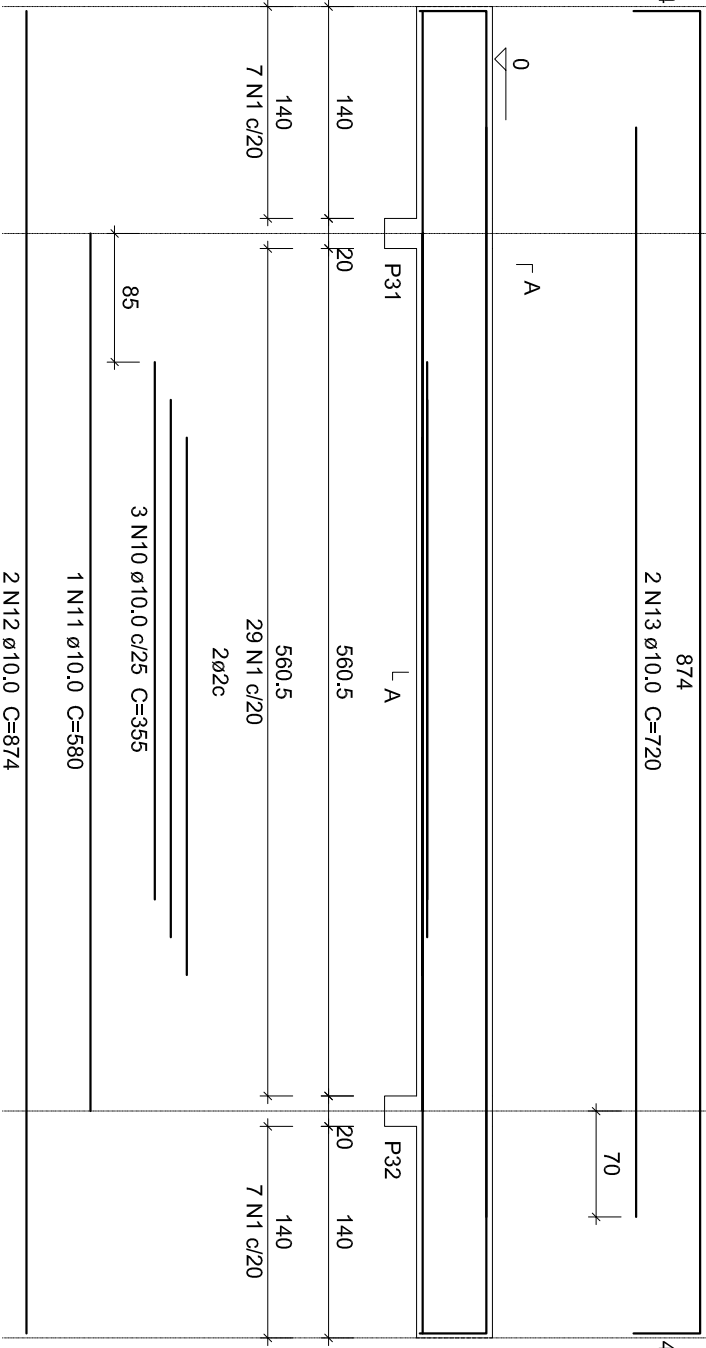
V18
ESC 1:50



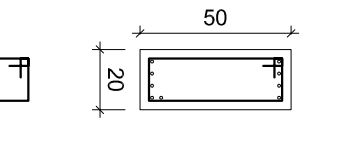
SEÇÃO A-A
ESC 1:25



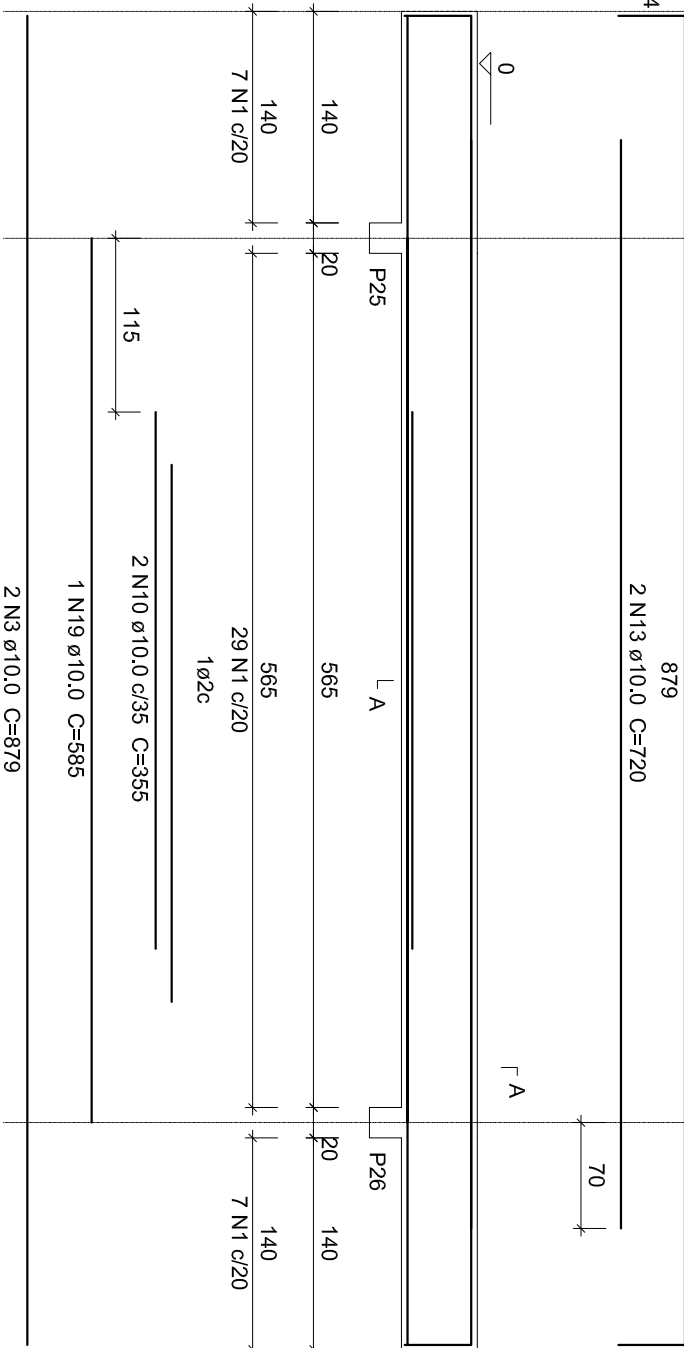
V19
ESC 1:50



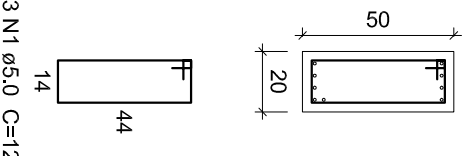
SEÇÃO A-A
ESC 1:25



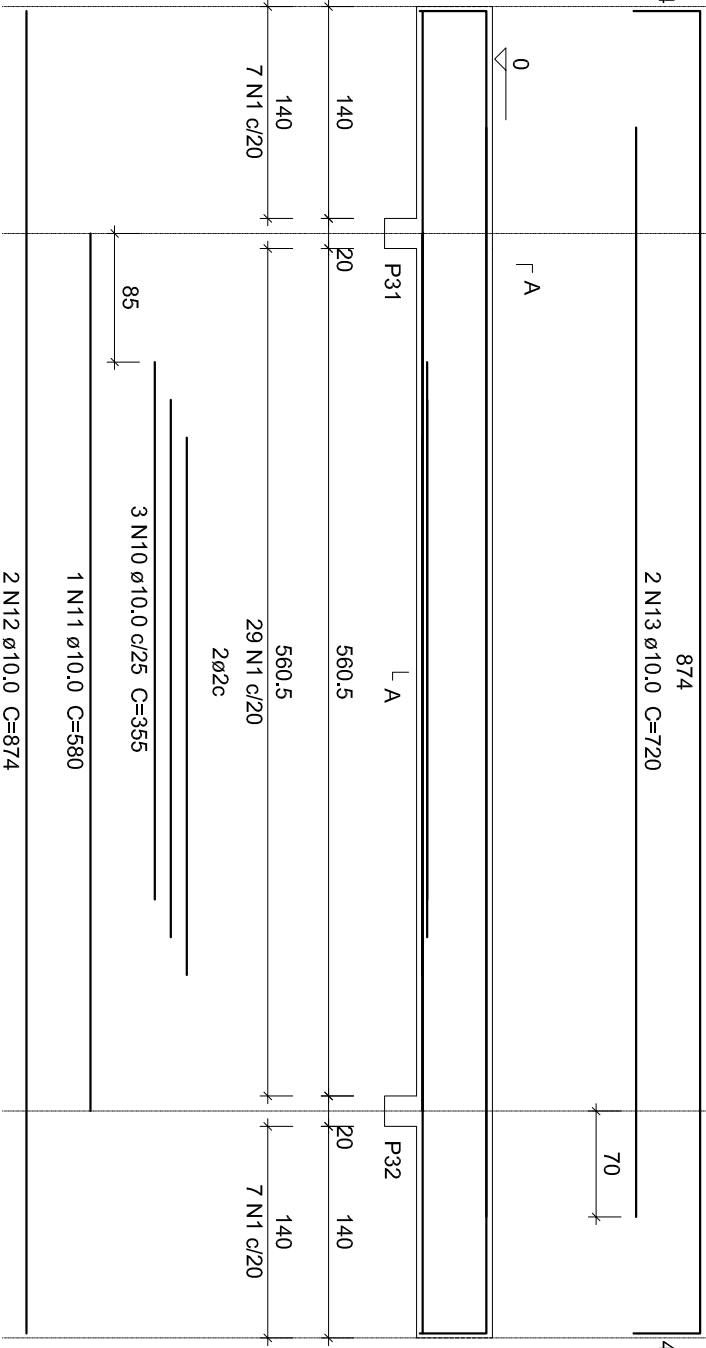
V13
ESC 1:50



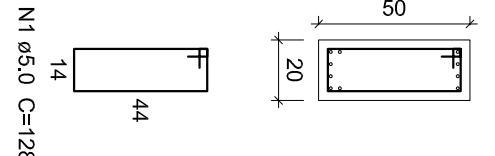
SEÇÃO A-A
ESC 1:25



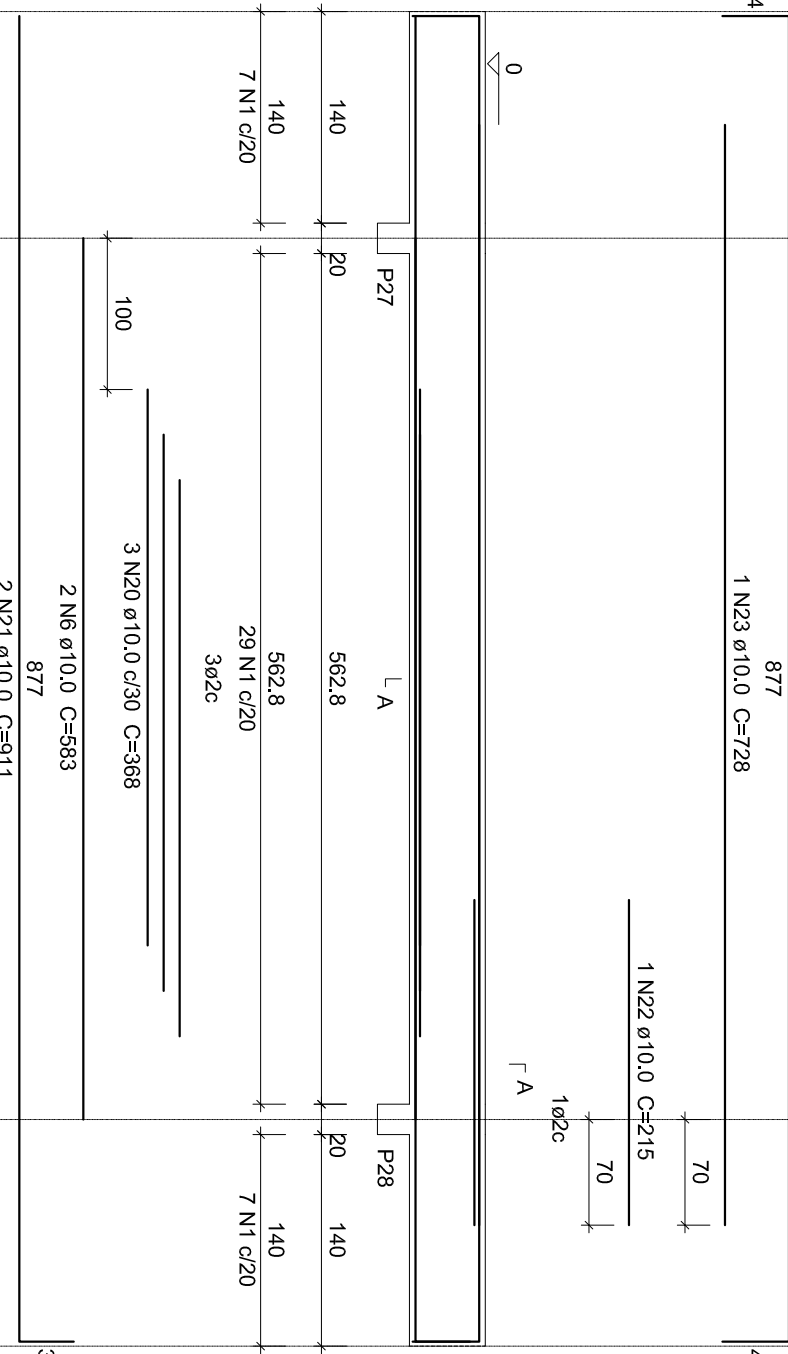
V16
ESC 1:50



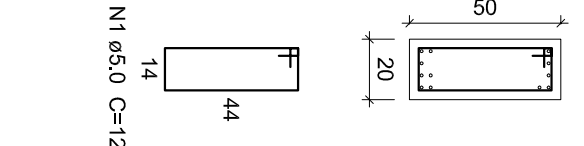
SEÇÃO A-A
ESC 1:25



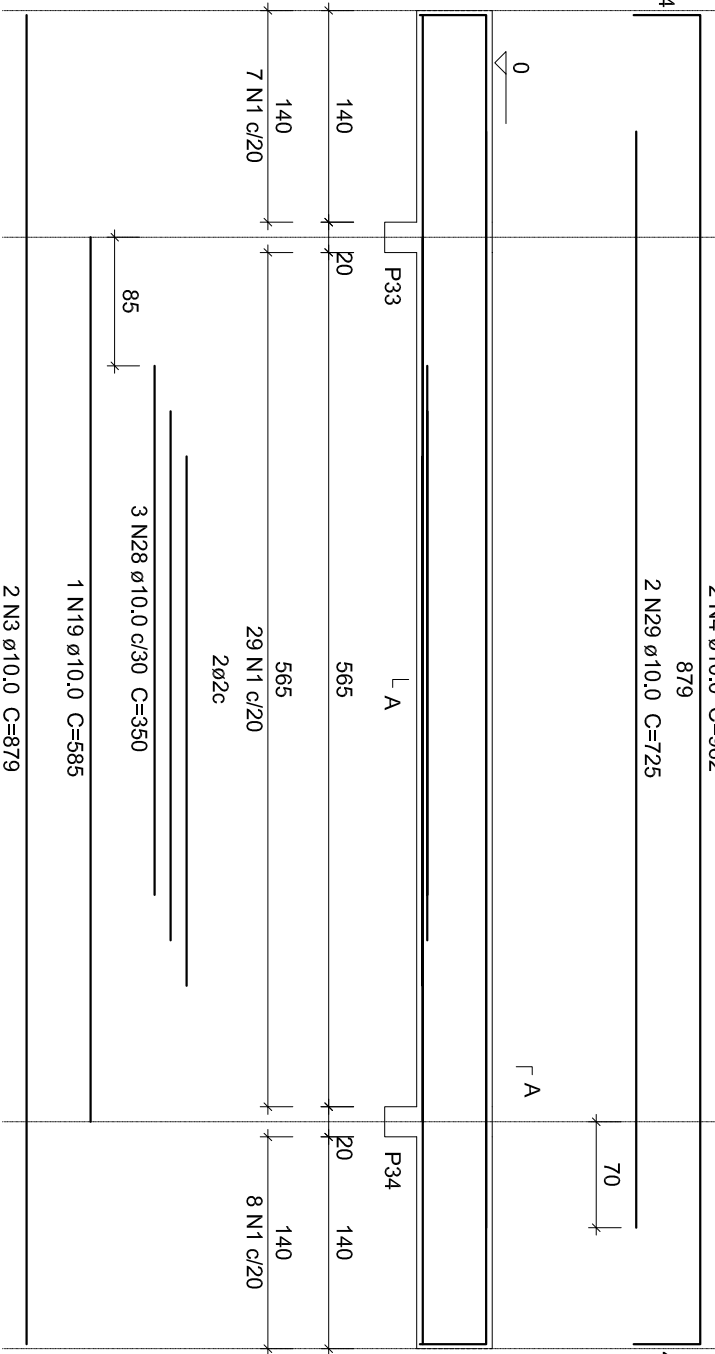
V14
ESC 1:50



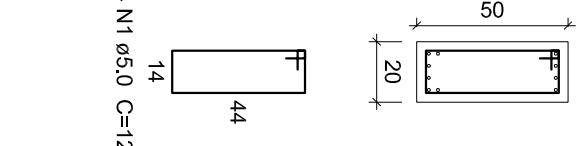
SEÇÃO A-A
ESC 1:25



V17
ESC 1:50



SEÇÃO A-A
ESC 1:25



Relação do aço (V1 a V38)

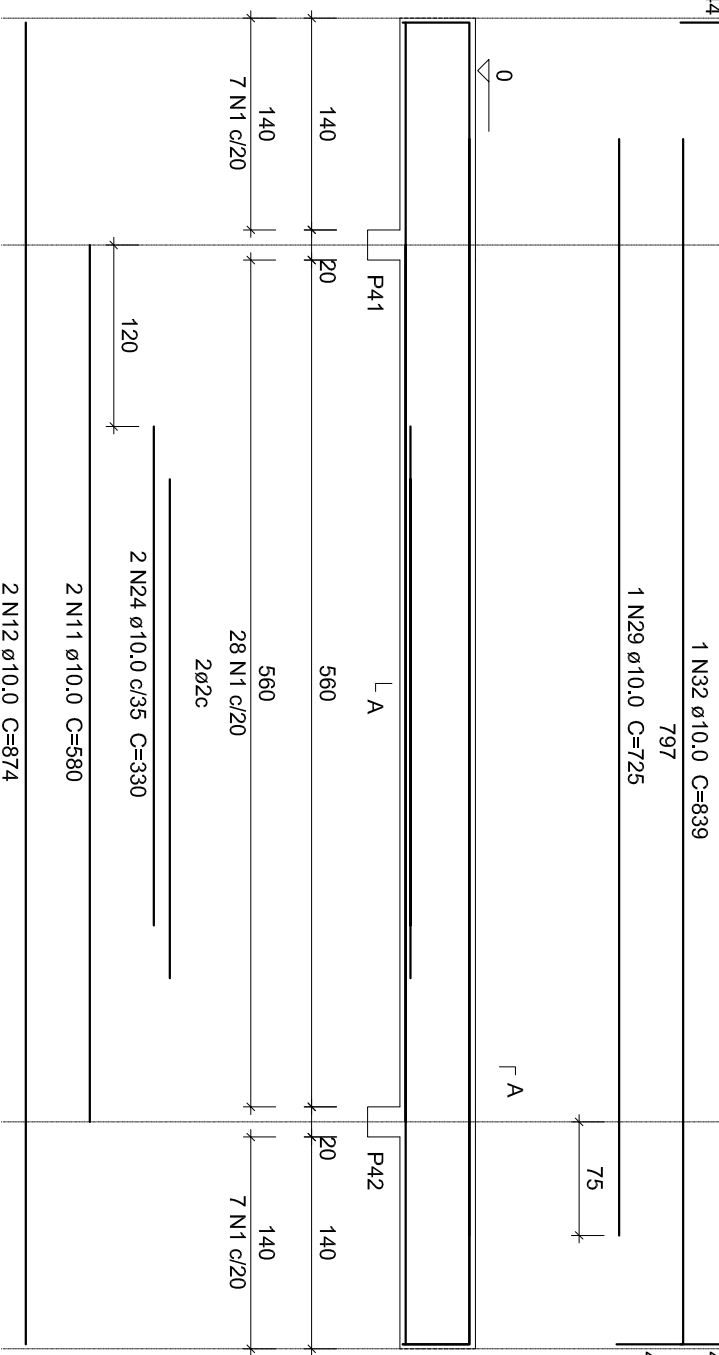
	V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13	V14	V15	V16	V17	V18	V19	V20	V21	V22	V23	V24	V25	V26	V27	V28	V29	V30	V31	V32	V33	V34	V35	V36	V37	V38	
ACO	N	BM	QUANT	UNIT	C.TOTAL																																		
		(mm)	(Barrel)	(cm)	(mm)	(mm)	(mm)																																
CA60	1	5,0	1458	128	186824	2880	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
CA50	2	10,0	8	360	2880	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	3	10,0	6	360	2880	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	4	10,0	20	962	19240	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	5	10,0	5	583	2915	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	6	10,0	6	877	5562	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	7	10,0	4	723	28922	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	8	10,0	9	960	8640	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	9	10,0	13	355	4815	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	10	10,0	11	874	12236	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	11	10,0	12	874	12236	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	12	10,0	14	720	7200	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	13	10,0	17	957	16259	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	14	10,0	10	720	7200	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	15	10,0	6	345	2070	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	16	10,0	4	715	2860	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	17	10,0	34	762	25568	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	18	10,0	3	585	2240	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	19	10,0	3	368	1104	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	20	10,0	2	911	18222	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	21	10,0	2	215	215	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	22	10,0	4	208	1356	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	23	10,0	2	135	1356	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	24	10,0	3	205	205	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	25	10,0	1	1	1	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	26	10,0	1	205	205	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	27	10,0	1	844	844	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	
	28	10,0	6	350	2100	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644	14644										

Resumo do aço

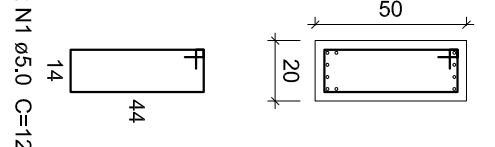
ACO	DIAM	C.TOTAL	PESO + 10 %
CA60	(mm)	(kg)	(kg)
CA60	10,0	186,24	316,4
PESO TOTAL			
CA60	1266,3		
CA60	316,4		

Volume de concreto (C-25) = 30,02 m³
Área de forma = 360,28 m²

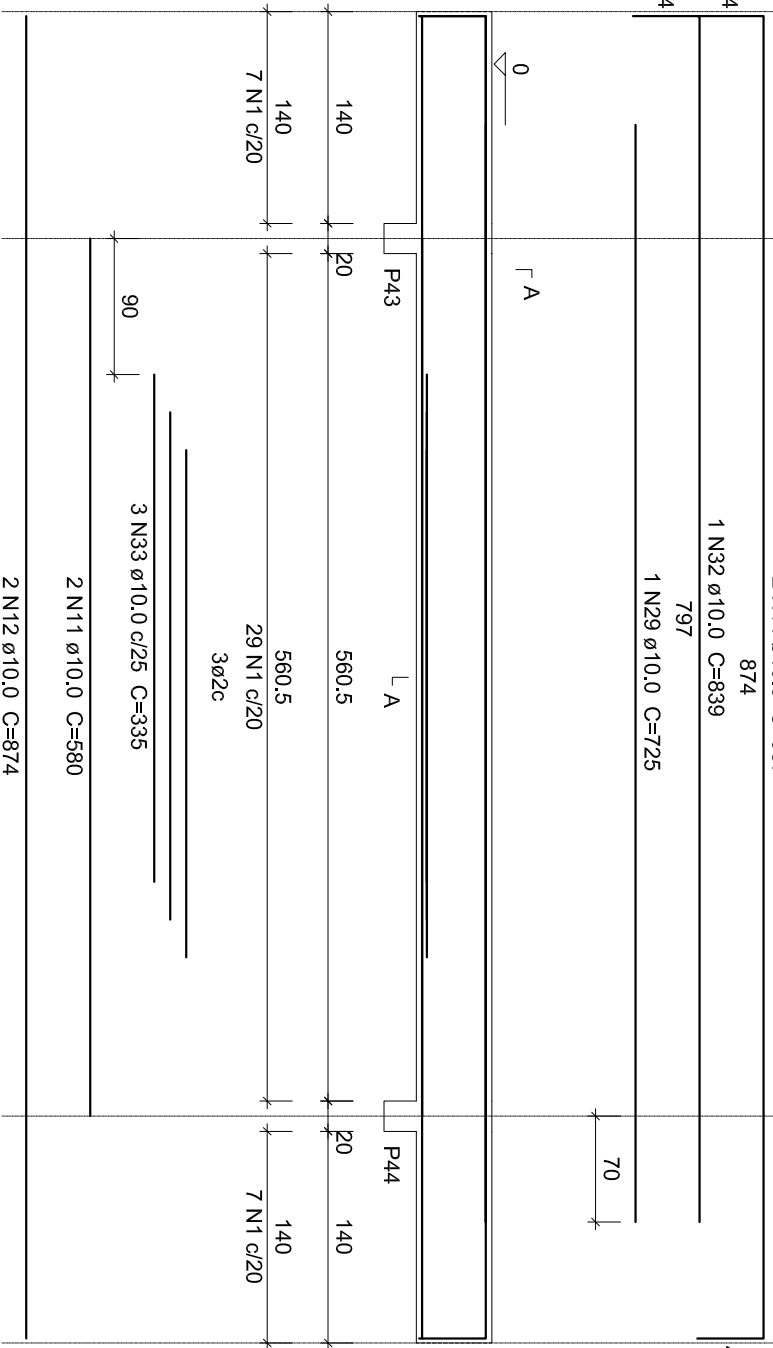
V21
ESC 1:50



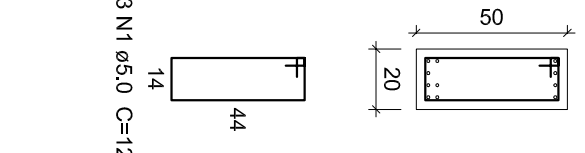
SEÇÃO A-A
ESC 1:25



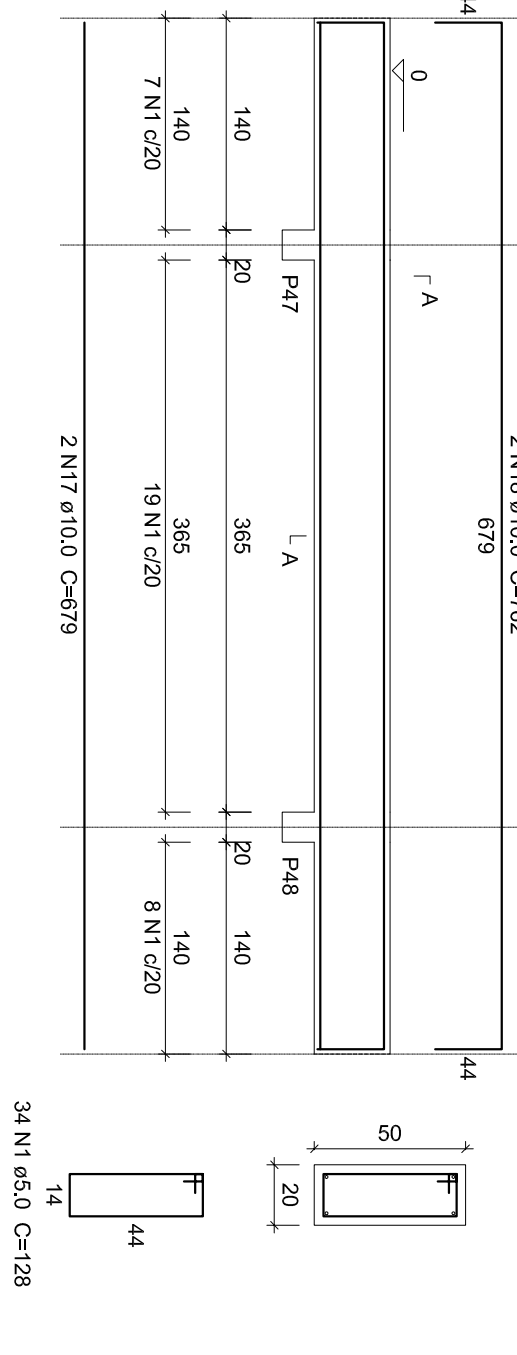
V22
ESC 1:50



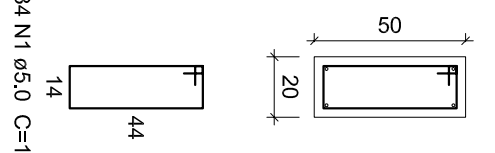
SEÇÃO A-A
ESC 1:25



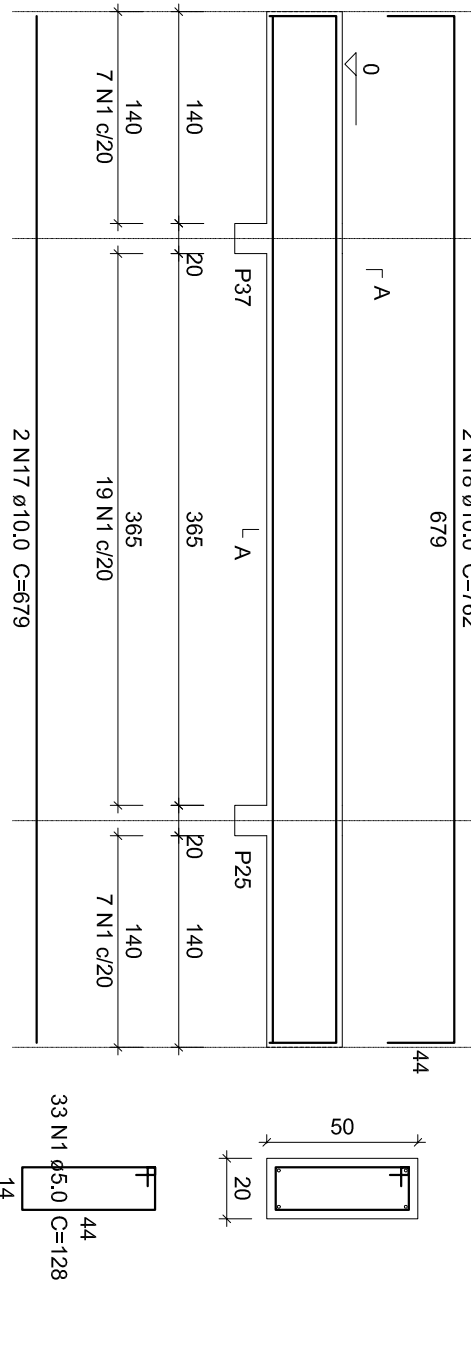
V24
ESC 1:50



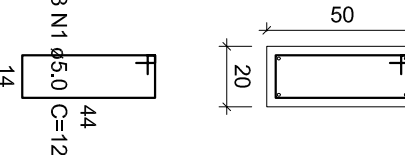
SEÇÃO A-A
ESC 1:25



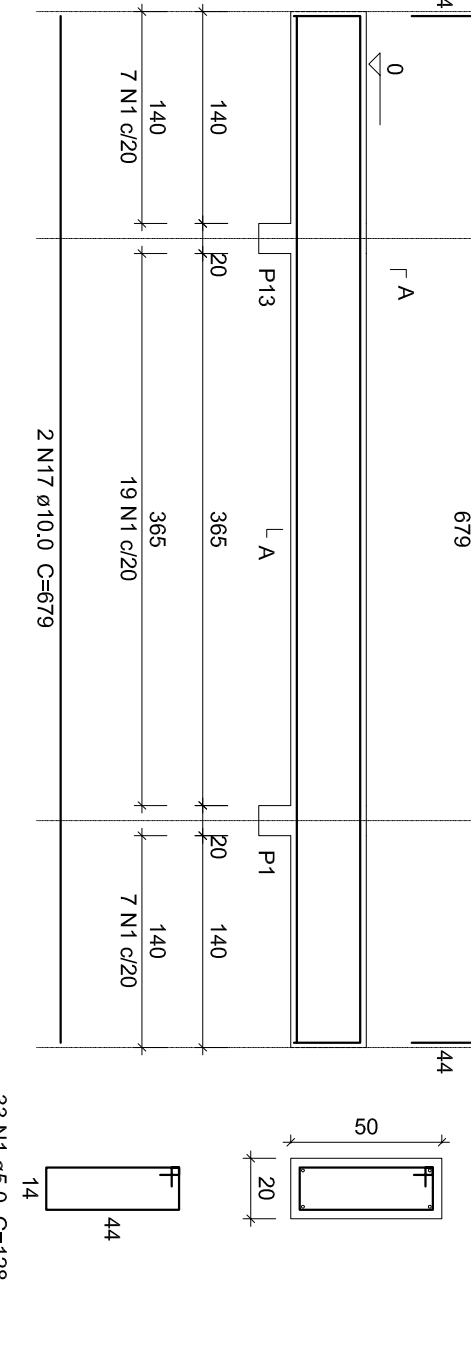
V25
ESC 1:50



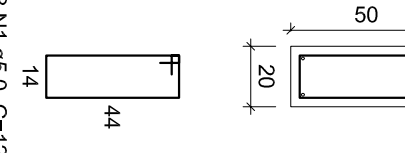
SEÇÃO A-A
ESC 1:25



V26
ESC 1:50



SEÇÃO A-A
ESC 1:25



CONTRATANTE: INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA CATALINENSE – REITORIA UNIDADE: CAMPUS BRUSQUE ENDEREÇO: AV. HUGO SCHLOSSER, 100 BRUSQUE – SC		CONTRATADO: INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA CATALINENSE – REITORIA UNIDADE: CAMPUS BRUSQUE ENDEREÇO: AV. HUGO SCHLOSSER, 100 BRUSQUE – SC	
OBJETIVO DO PROJETO: CONSTRUÇÃO ESTRUTURAL		NOME DO PROJETO: FUNDAÇÕES E PISO – BLOCO PEDAGÓGICO	
AUTORIA DO PROJETO: ENG. MARIO C. ALEXANDRE JR.		AUTORIA DO PROJETO: ENG. MARIO C. ALEXANDRE JR.	
CÍDIO – UF		CÍDIO – UF	
BLUMENAU – SC		BLUMENAU – SC	
ESCALA:		INDICADA	
04/2014		01	
REFERÊNCIA:		EST. 04/10	