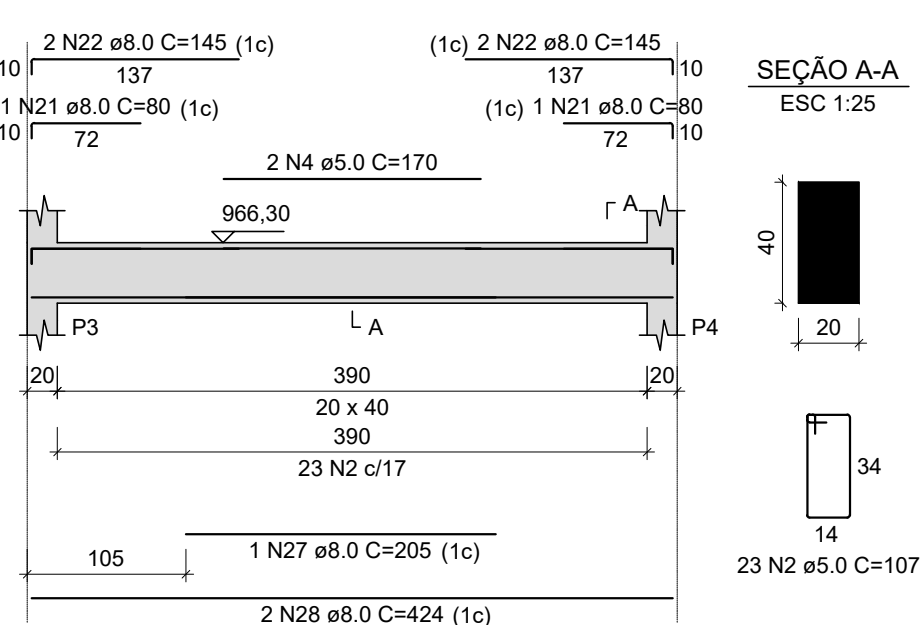
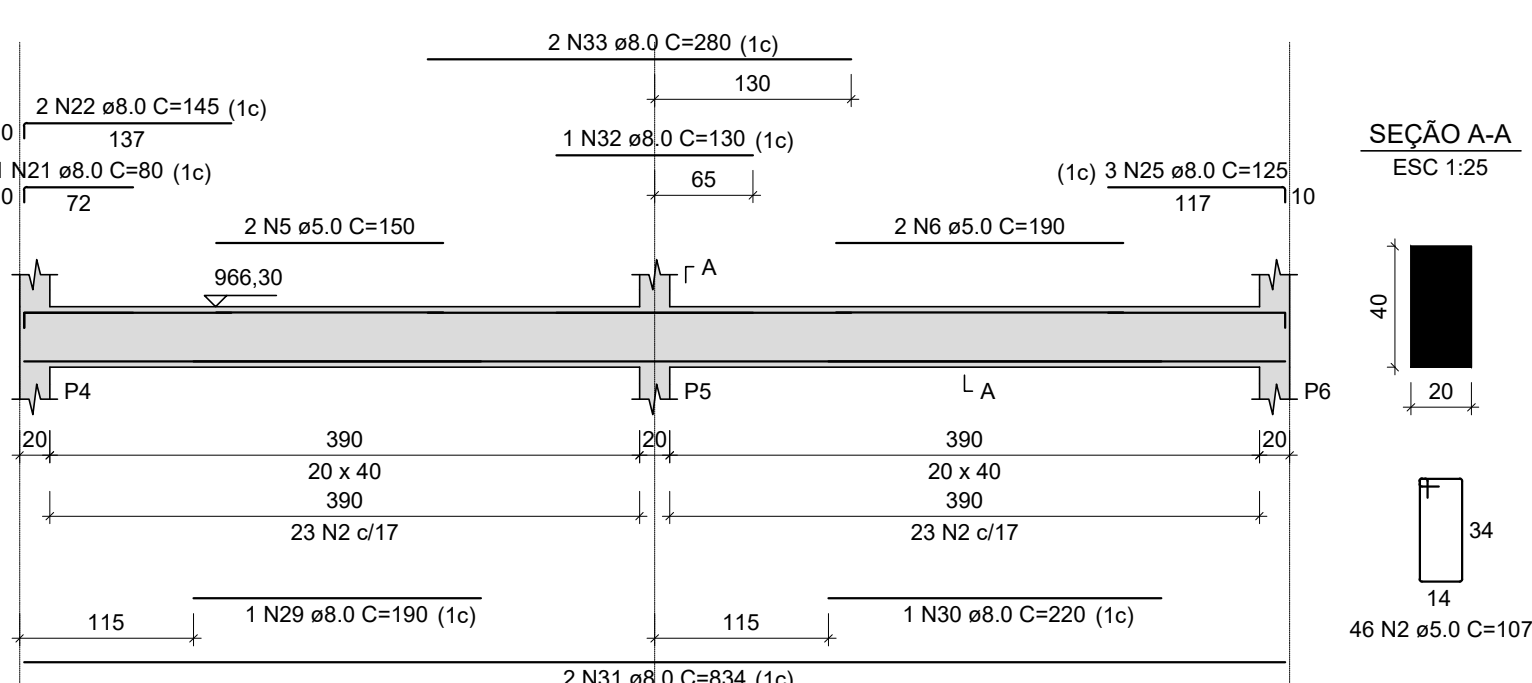


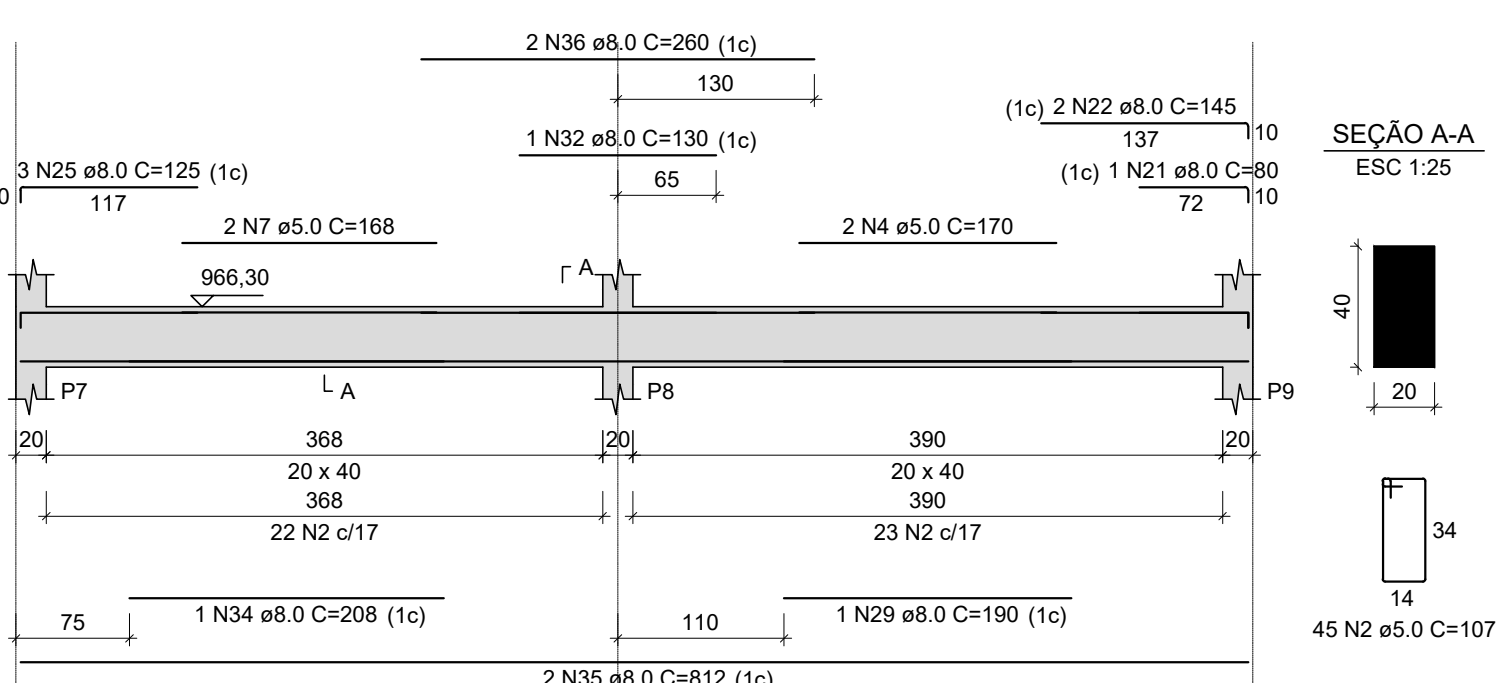
**VIGA BALDRAME3**  
ESC 1:50



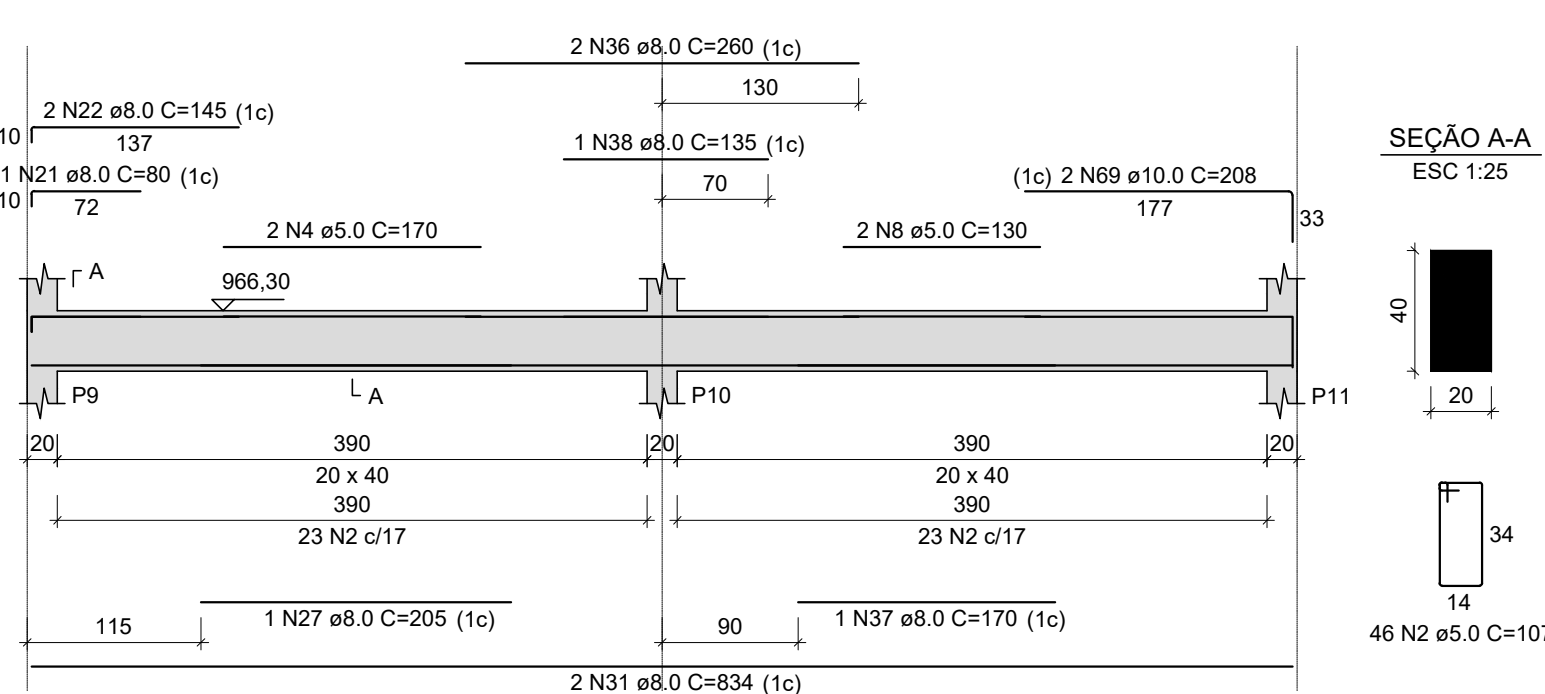
**VIGA BALDRAME4**  
ESC 1:50



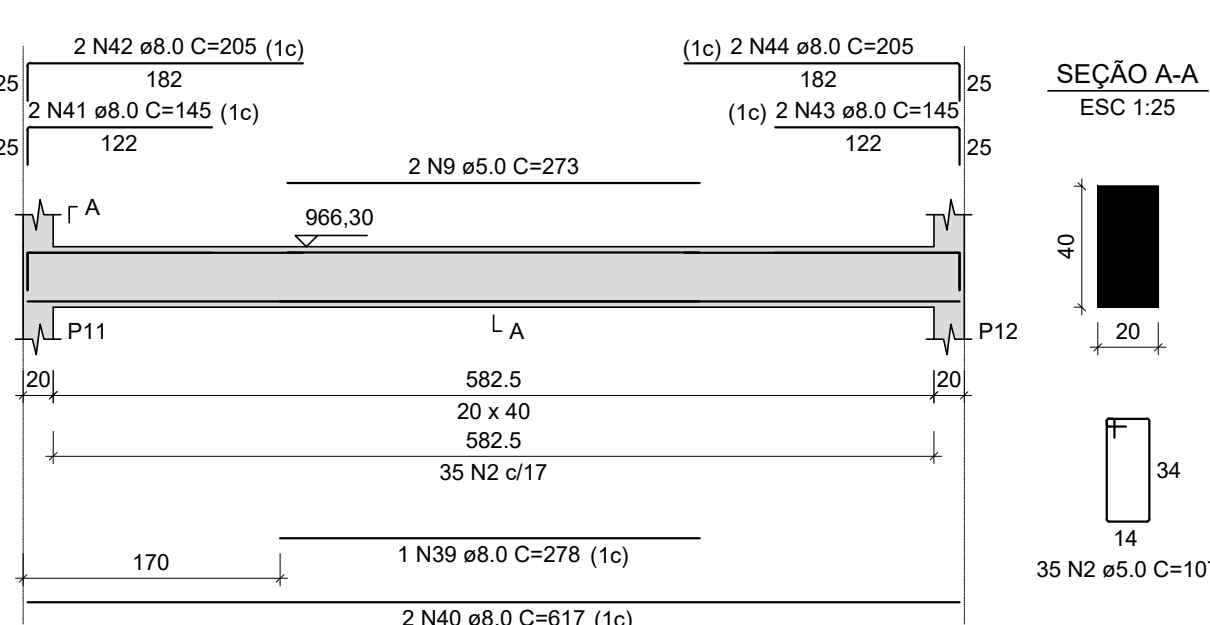
**VIGA BALDRAME5**  
ESC 1:50



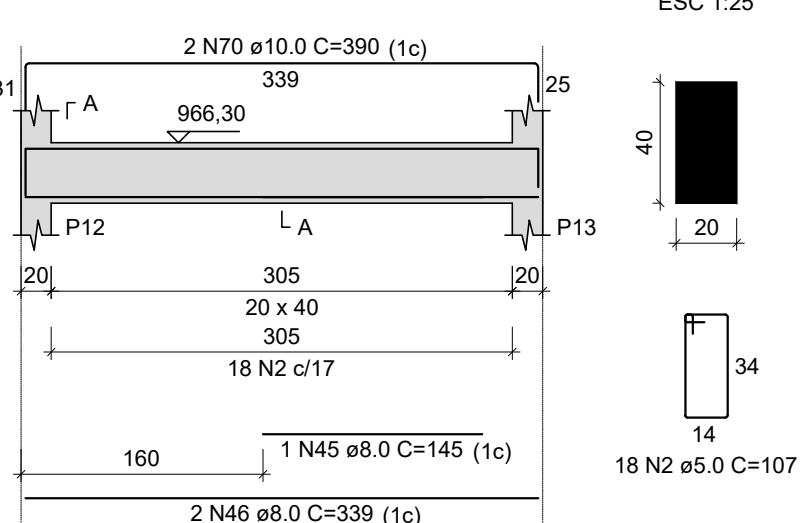
**VIGA BALDRAME6**  
ESC 1:50



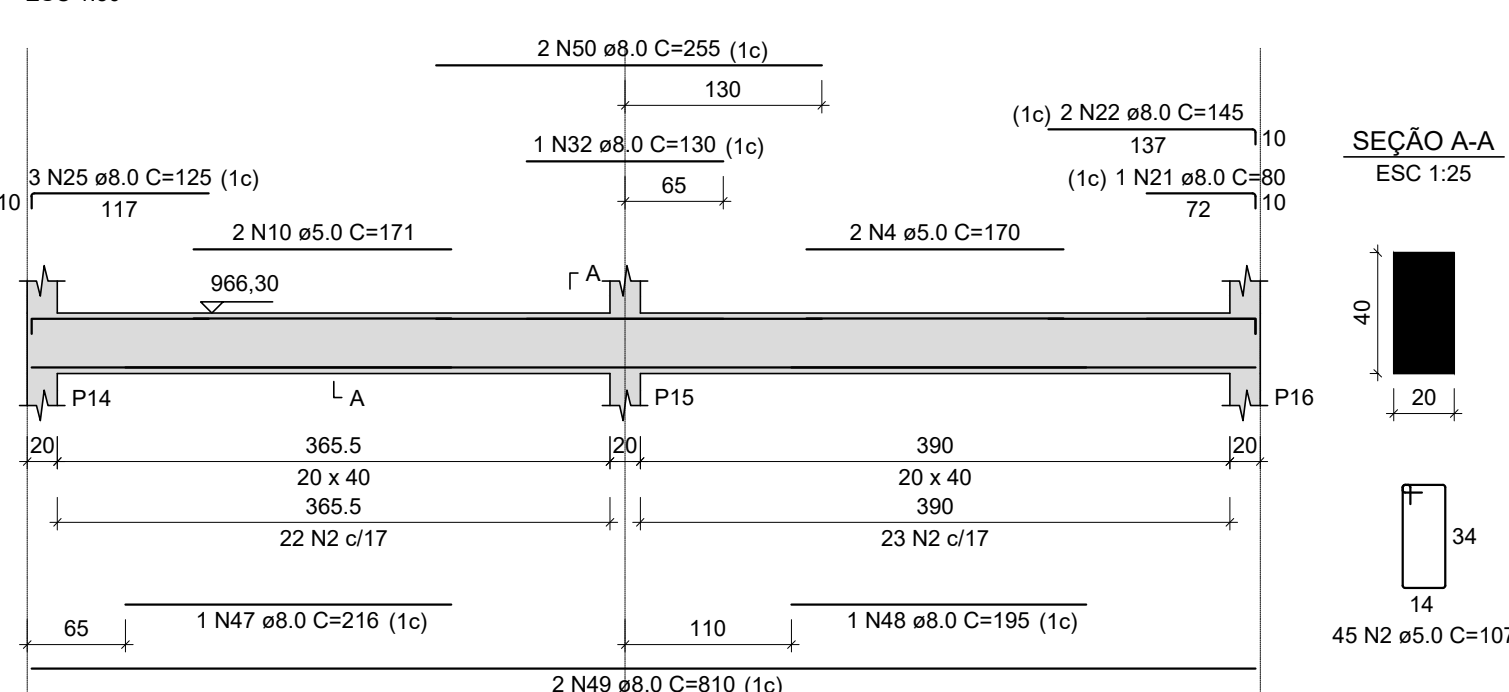
**VIGA BALDRAME7**  
ESC 1:50



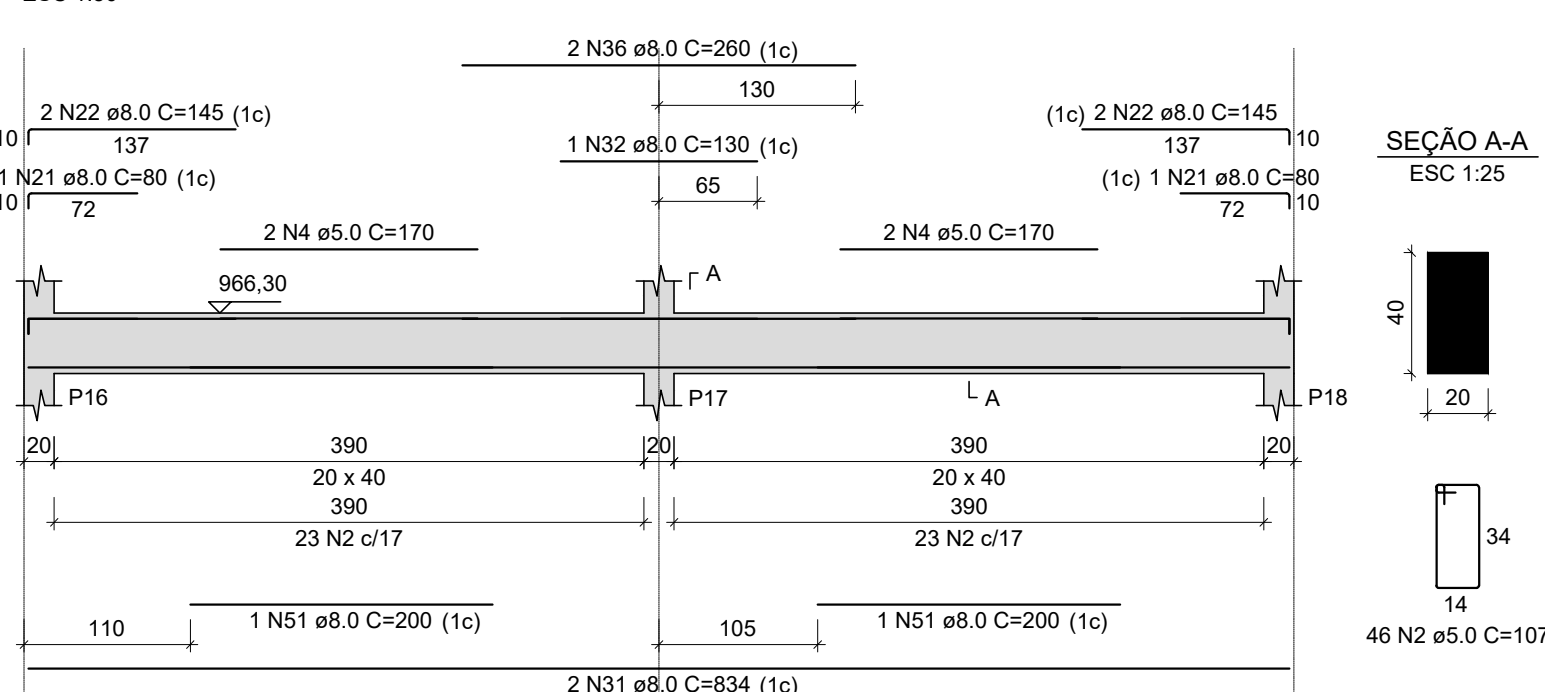
**VIGA BALDRAME8**  
ESC 1:50



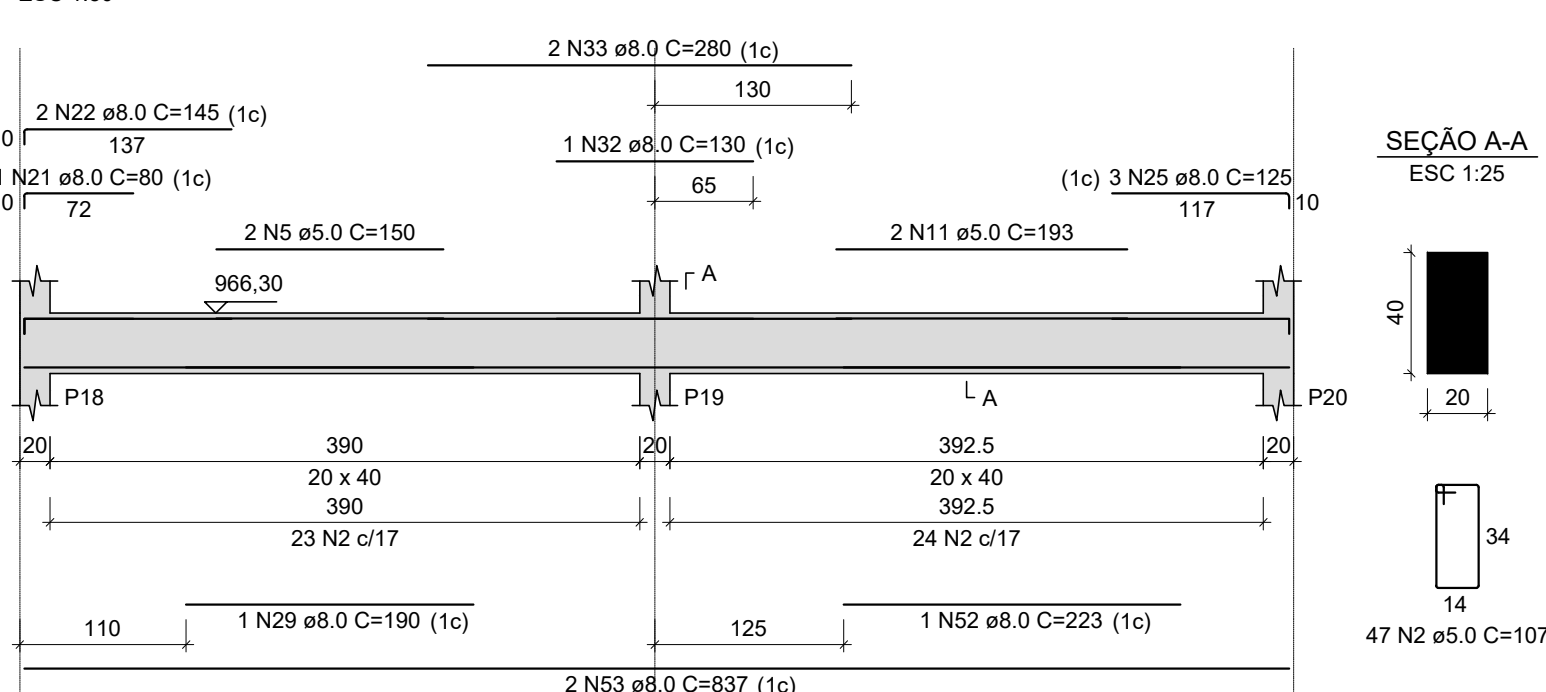
**VIGA BALDRAME9**  
ESC 1:50



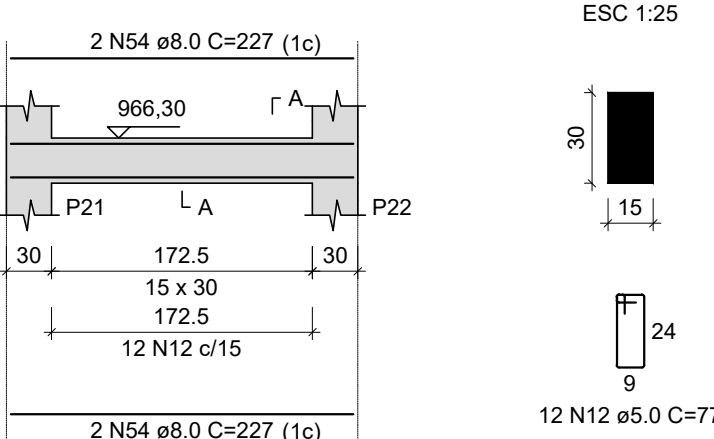
**VIGA BALDRAME10**  
ESC 1:50



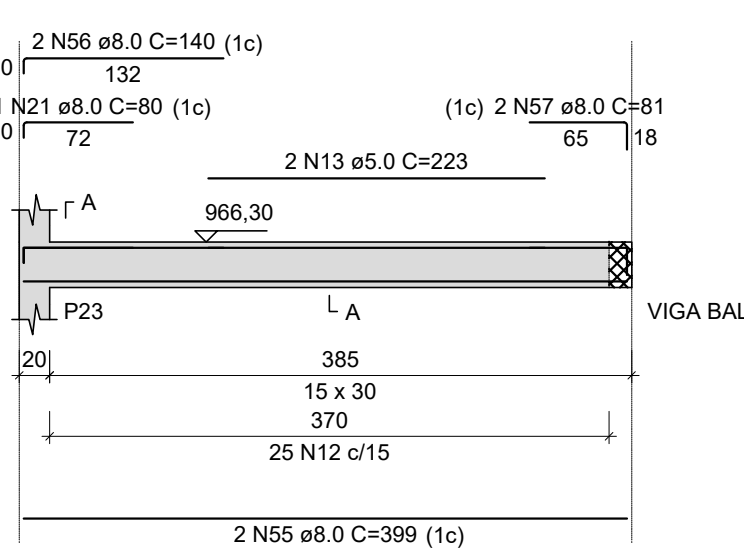
**VIGA BALDRAME11**  
ESC 1:50



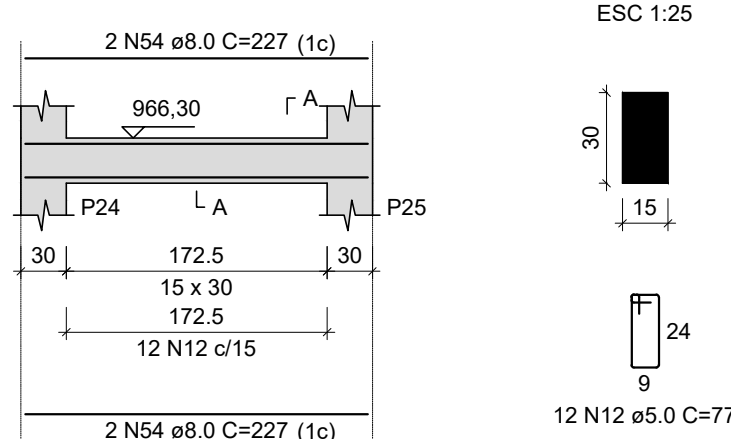
**VIGA BALDRAME12**  
ESC 1:50



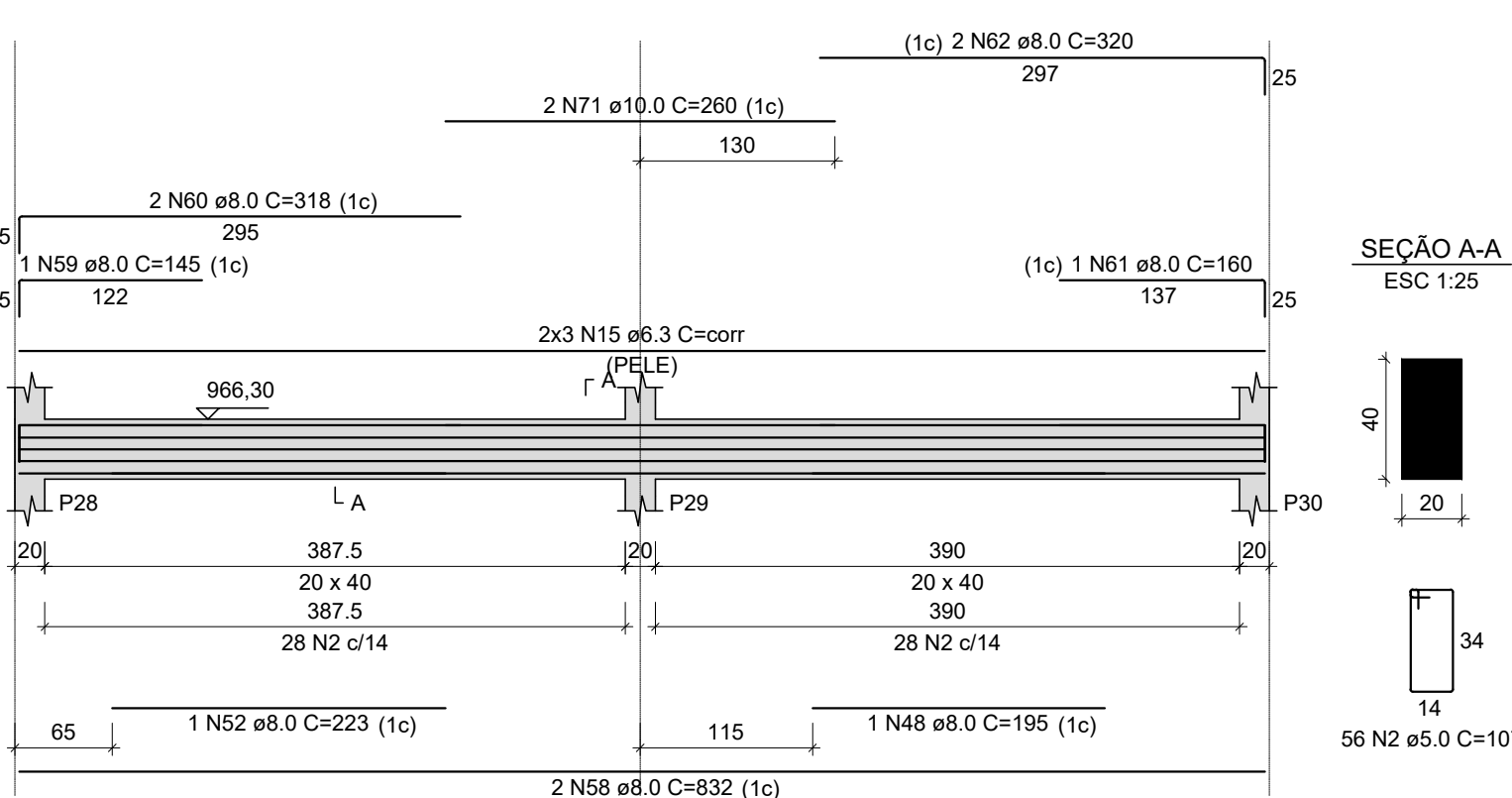
**VIGA BALDRAME13**  
ESC 1:50



**VIGA BALDRAME14**  
ESC 1:50



**VIGA BALDRAME15**  
ESC 1:50



RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	89	87	7743
	2	5.0	465	107	49755
	3	5.0	170	320	640
	4	5.0	12	170	2040
	5	5.0	4	150	600
	6	5.0	2	190	380
	7	5.0	2	168	336
	8	5.0	2	130	260
	9	5.0	2	273	546
	10	5.0	2	171	342
	11	5.0	2	193	386
	12	5.0	49	77	3773
	13	5.0	2	223	446
	14	6.3	2	86	172
	15	6.3	6	corr	4992
	16	8.0	1	868	868
	17	8.0	2	1098	2196
	18	8.0	2	166	332
	19	8.0	6	1122	6732
	20	8.0	6	196	1176
CA50	1	5.0	89	87	7743
	2	5.0	465	107	49755
	3	5.0	170	320	640
	4	5.0	12	170	2040
	5	5.0	4	150	600
	6	5.0	2	190	380
	7	5.0	2	168	336
	8	5.0	2	130	260
	9	5.0	2	273	546
	10	5.0	2	171	342
	11	5.0	2	193	386
	12	5.0	49	77	3773
	13	5.0	2	223	446
	14	6.3	2	86	172
	15	6.3	6	corr	4992
	16	8.0	1	868	868
	17	8.0	2	1098	2196
	18	8.0	2	166	332
	19	8.0	6	1122	6732
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	18	8.0	2	166	332
	19	8.0	6	1122	6732
	20	8.0	6	196	1176

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	51.6	13.9
	8.0	466	202.3
	10.0	45.1	30.6
CA60	5.0	672.5	114
PESO TOTAL (kg)			
CA50	246.8		
CA60	114		
Volume de concreto fck 3,0kN/cm² (C-30) = 7.25 m³			
Área de forma = 91.26 m²			

05	21/11/22	REVISÃO CONFORME NOTA TÉCNICA	ATACIZIO
REVISÃO	DATA	DESCRIÇÃO	RESP.
EMPRESA	MARKA ARQUITETURA E ENGENHARIA LTDA RUA PROFESSOR ABEYLARD, 279, SALA 9 CENTRO, SETE LAGOAS/MG opoio@markaprojetos.com.br (31) 3177-4235 www.markaprojetos.com.br		ESPECIALIDADE ESTRUTURAL FASE DO PROJETO EXECUTIVO
EMPREENHIMENTO - OBRA	ESCOLA MUNICIPAL BELVEDERE RUA JOSÉ COELHO, RUA CANADÁ E RUA SÉRGIO JACOWLEVSKI B. SIDERÚRGICO - CONSELHEIRO LAFAIETE/MG		RESPONSÁVEL PROJETO JOSE ATACIZIO DA FE ING. CIVIL CREAM/MG, 87.889/D COORDENADOR PROJETO KARINE NARDY PROJETISTA JOSE ATACIZIO DA FE
ASSUNTO	PROJETO DE ESTRUTURAS DE CONCRETO ARMAÇÃO DAS VIGAS BALDRAME-BLOCO 02		ESCALA INDICADA DATA 21/11/22 ARQUIVO 004-EST-BLOCO 02-BELVEDERE-006