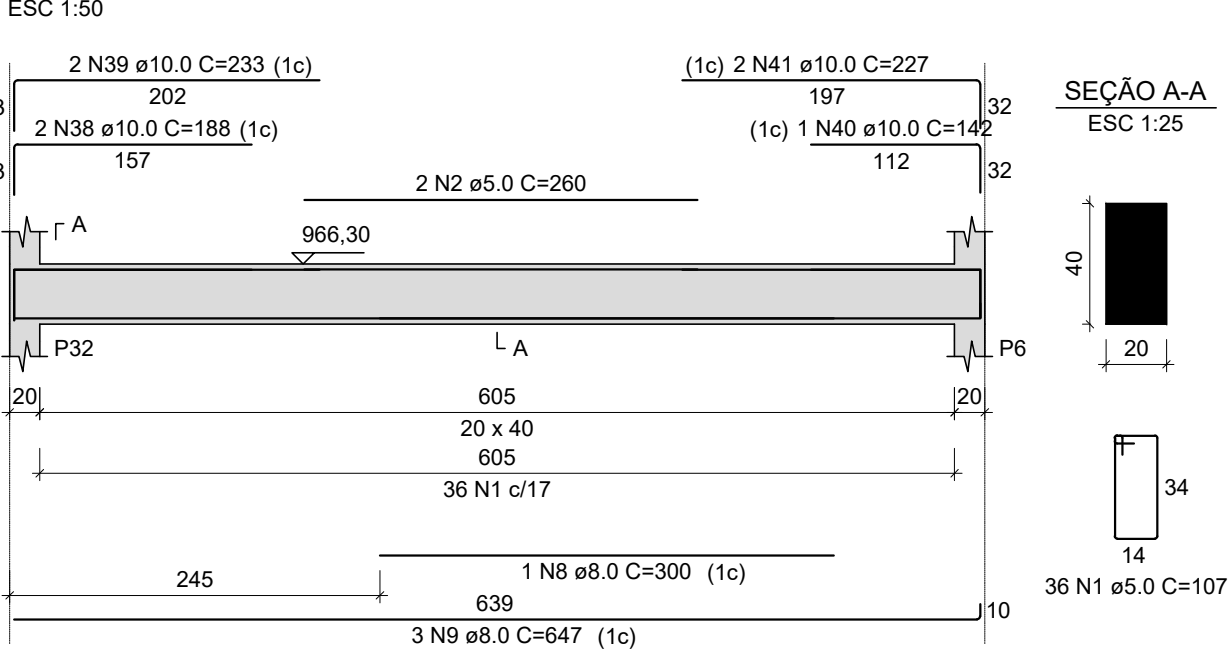
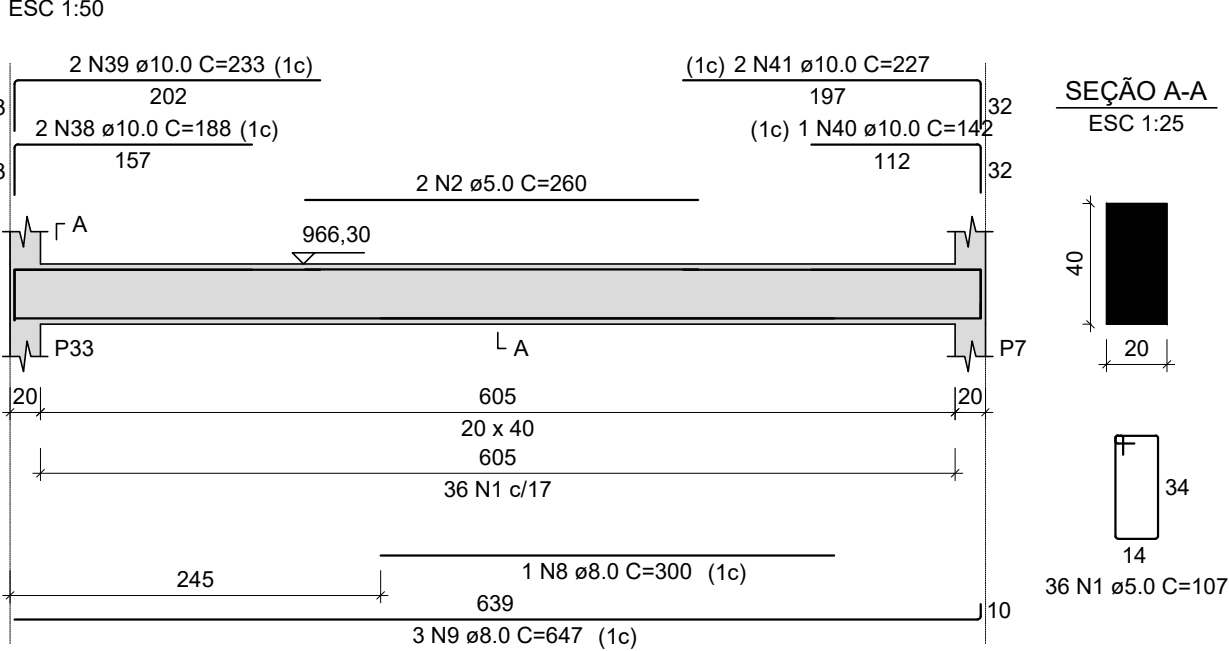


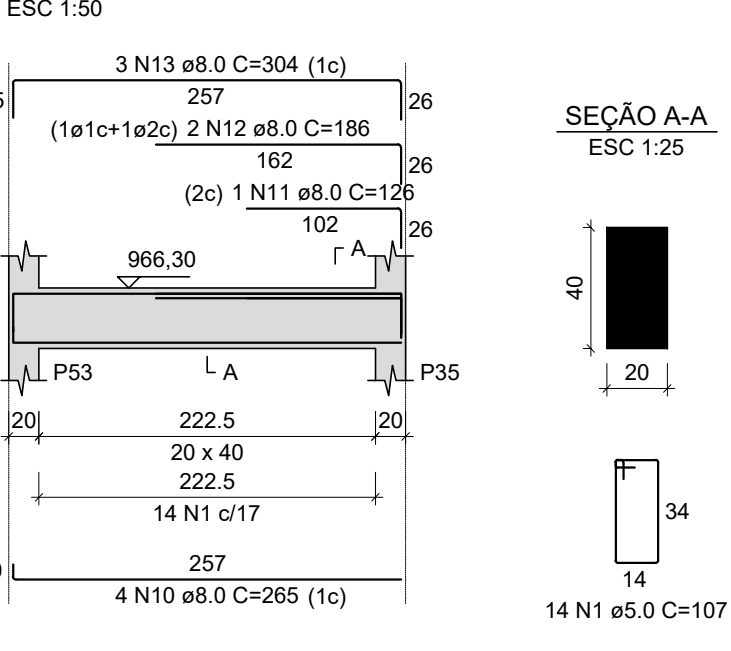
VIGA BALDRAME28



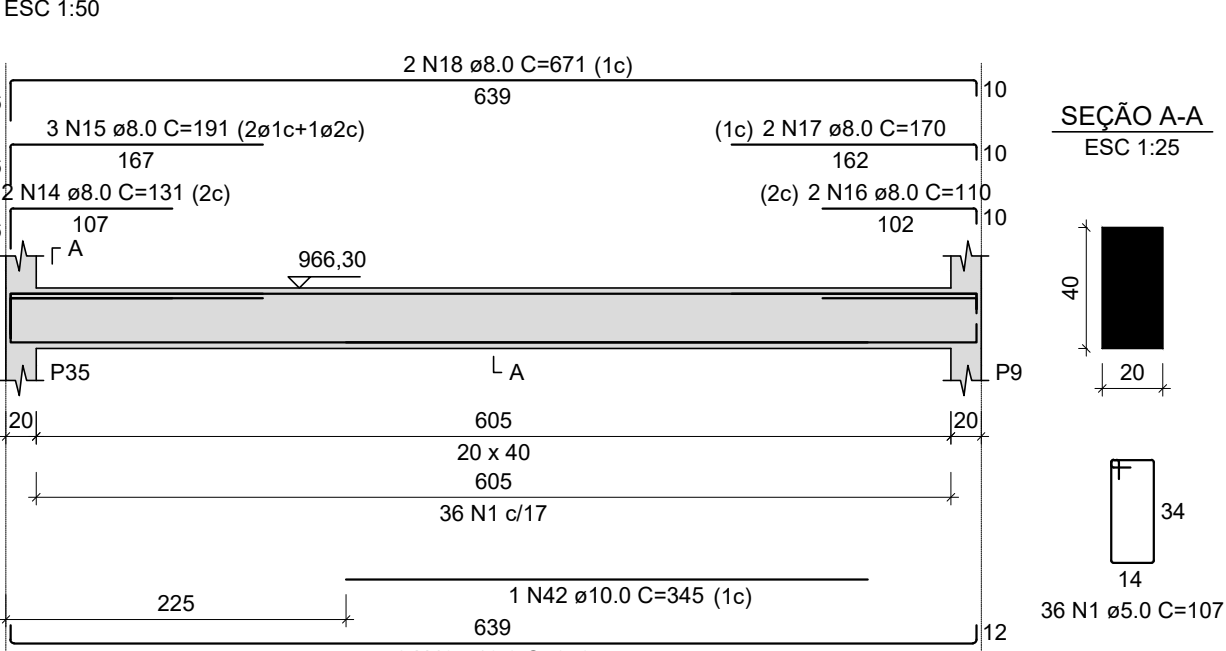
VIGA BALDRAME29



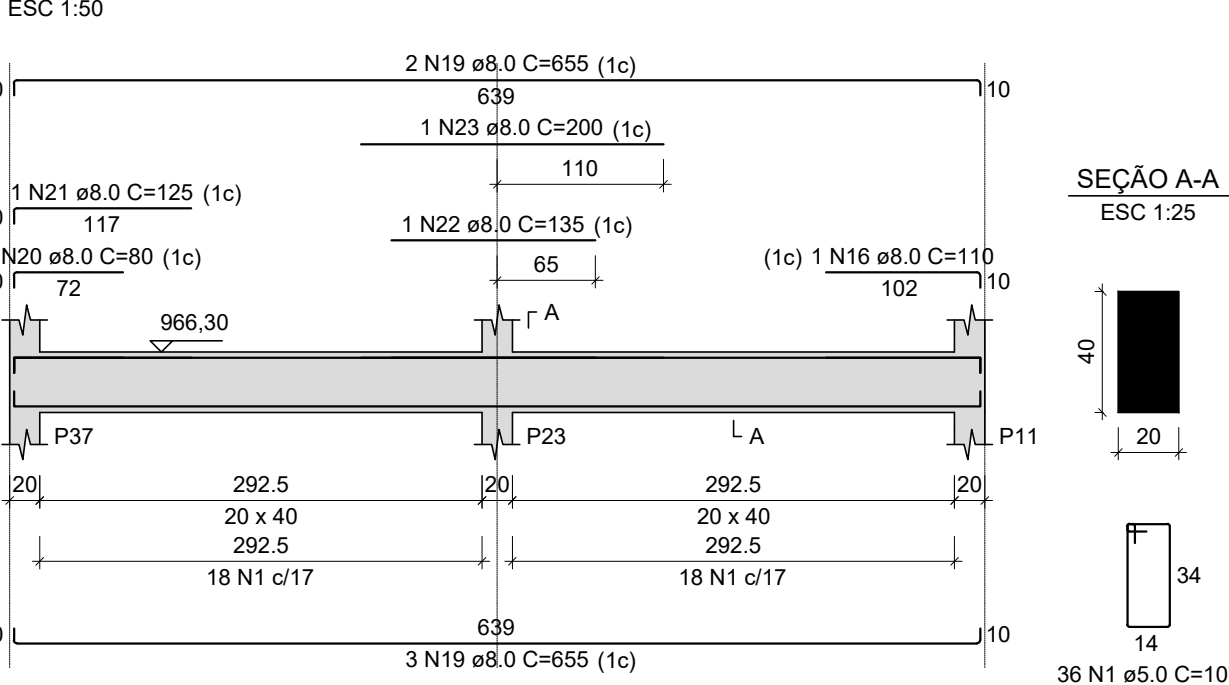
VIGA BALDRAME30



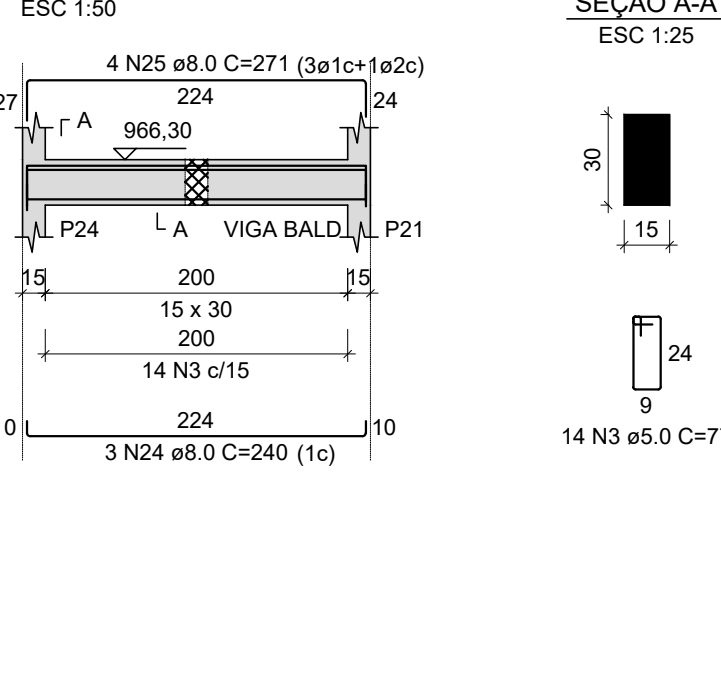
VIGA BALDRAME31



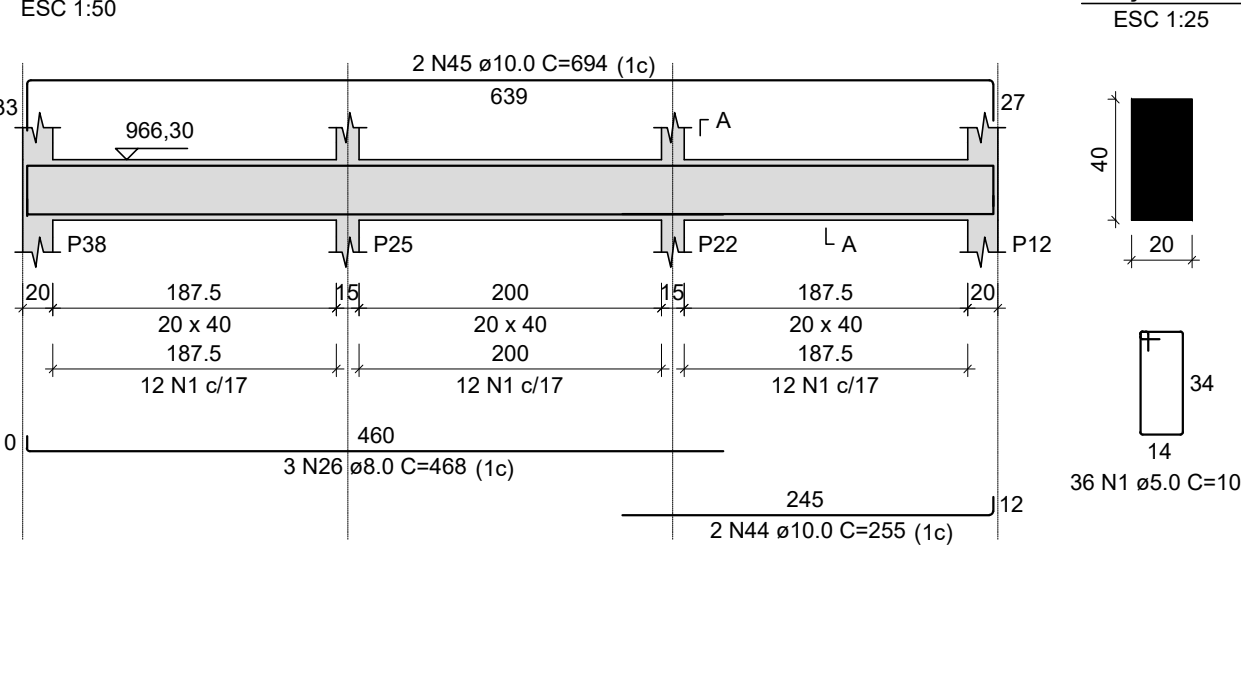
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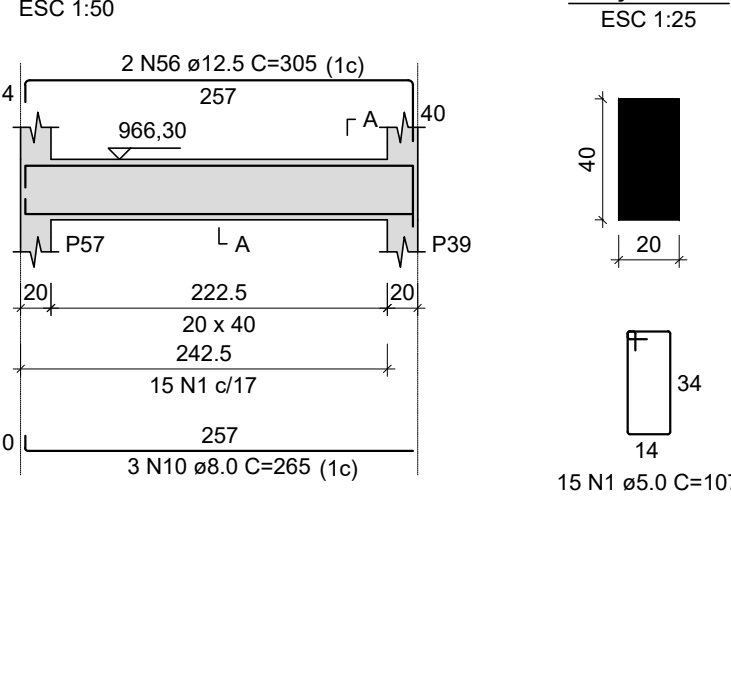
VIGA BALDRAME33



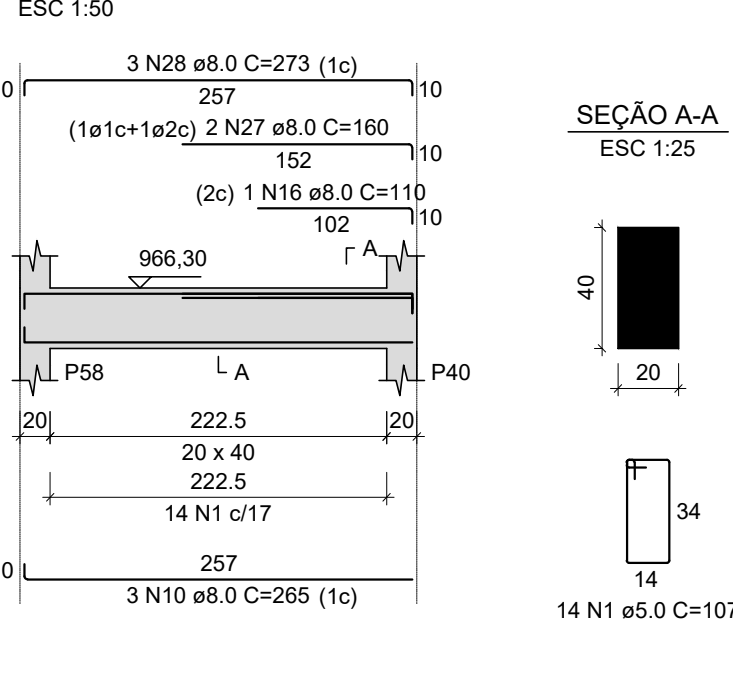
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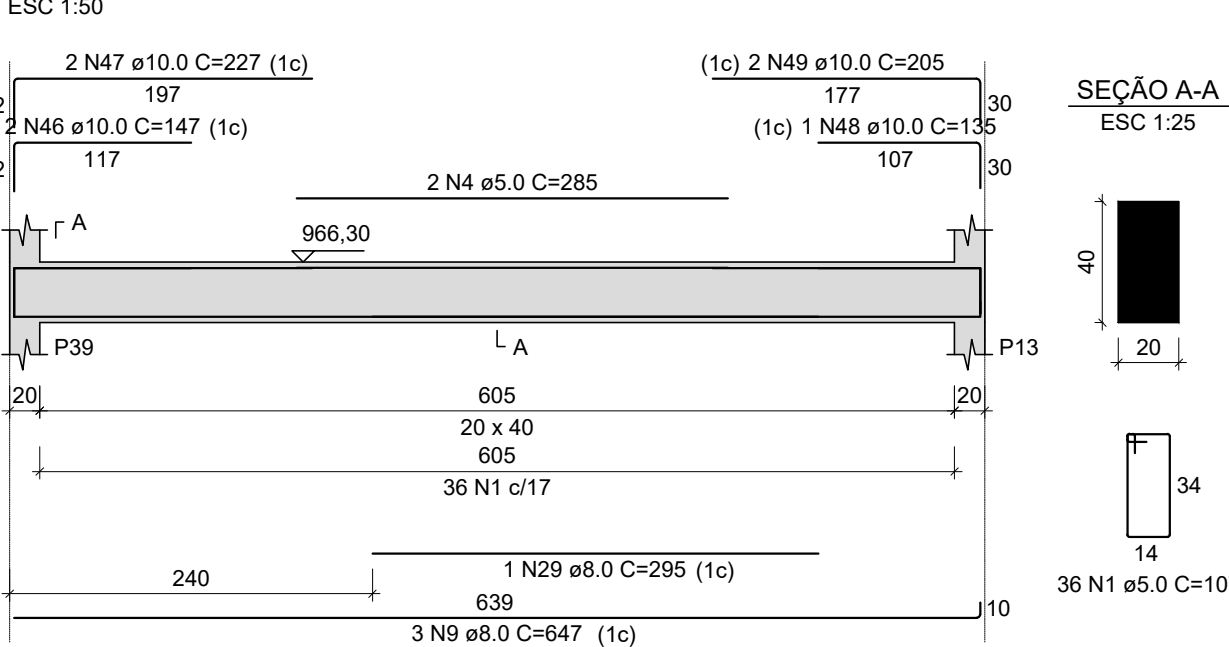
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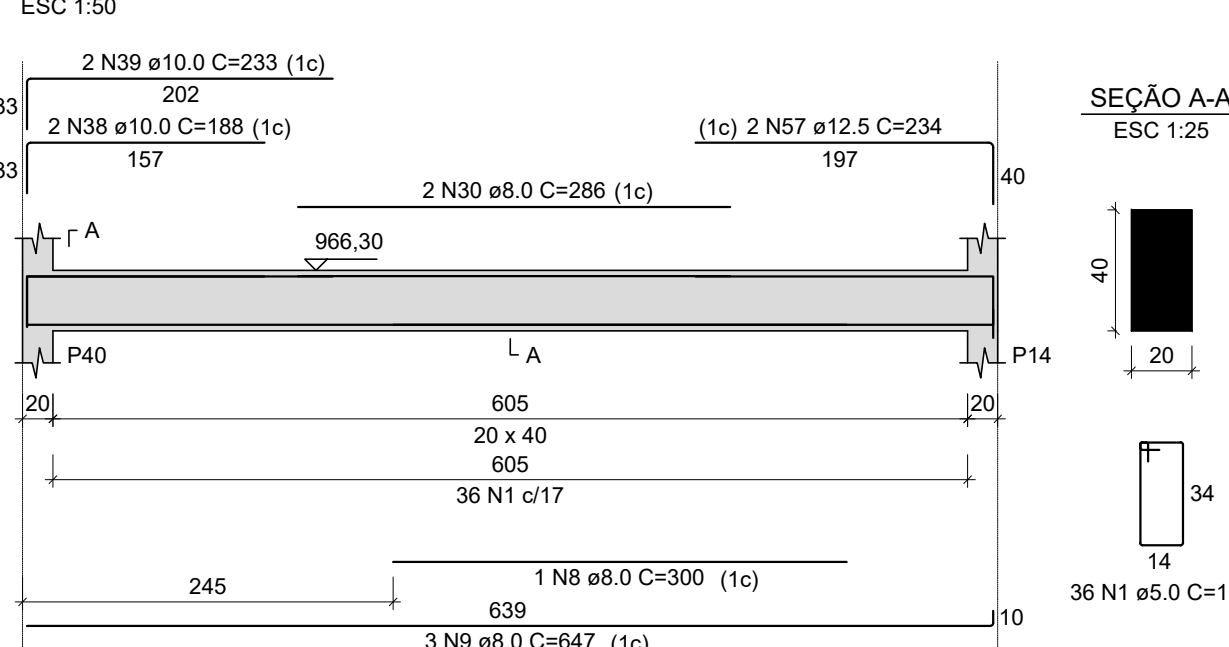
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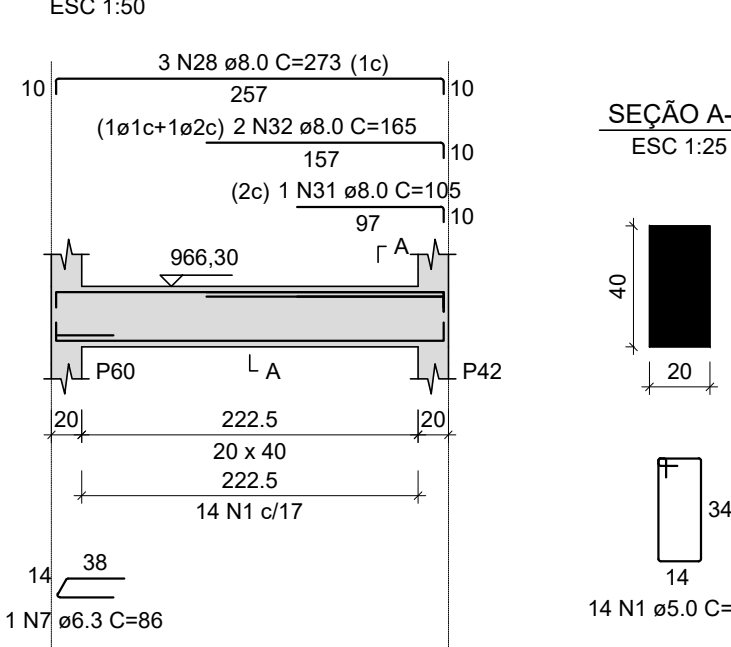
VIGA BALDRAME37



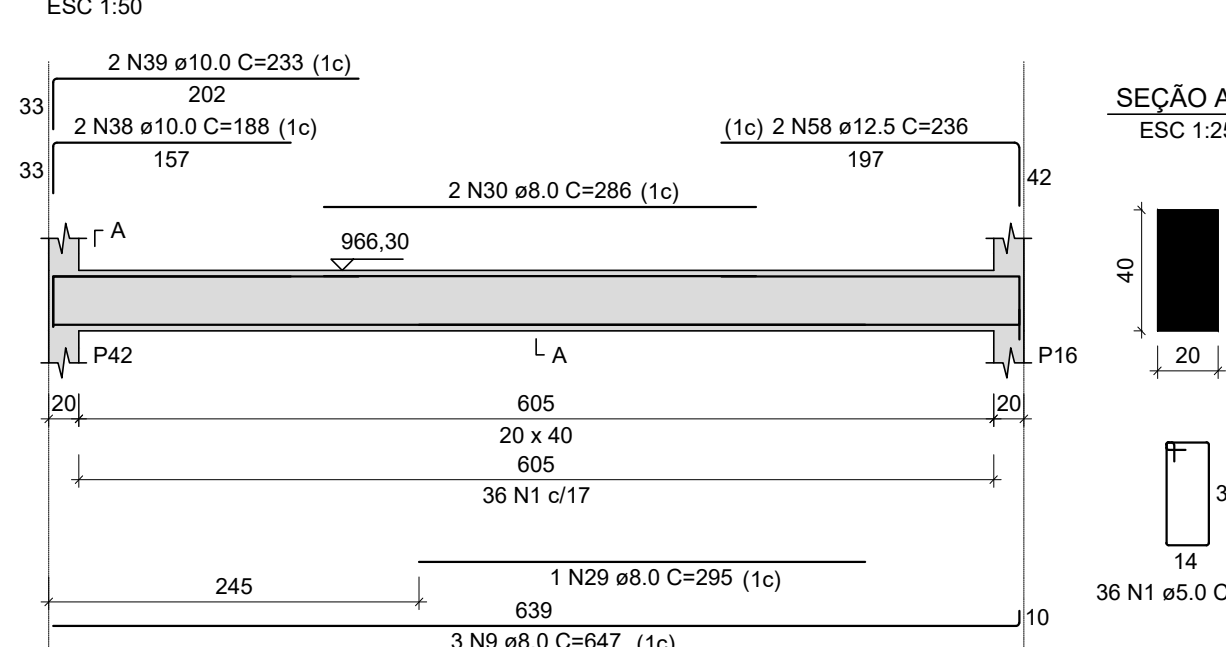
VIGA BALDRAME38



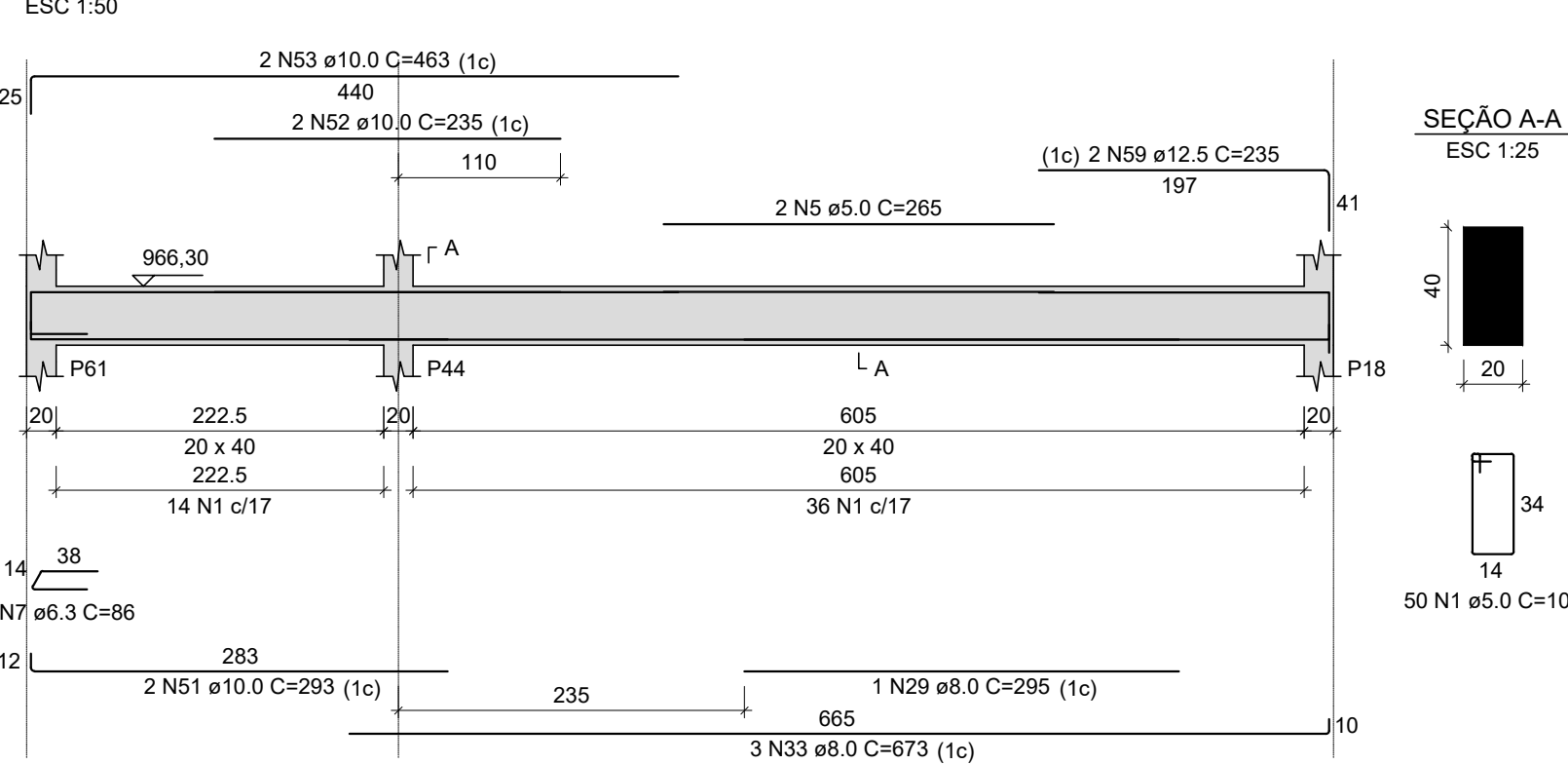
VIGA BALDRAME39



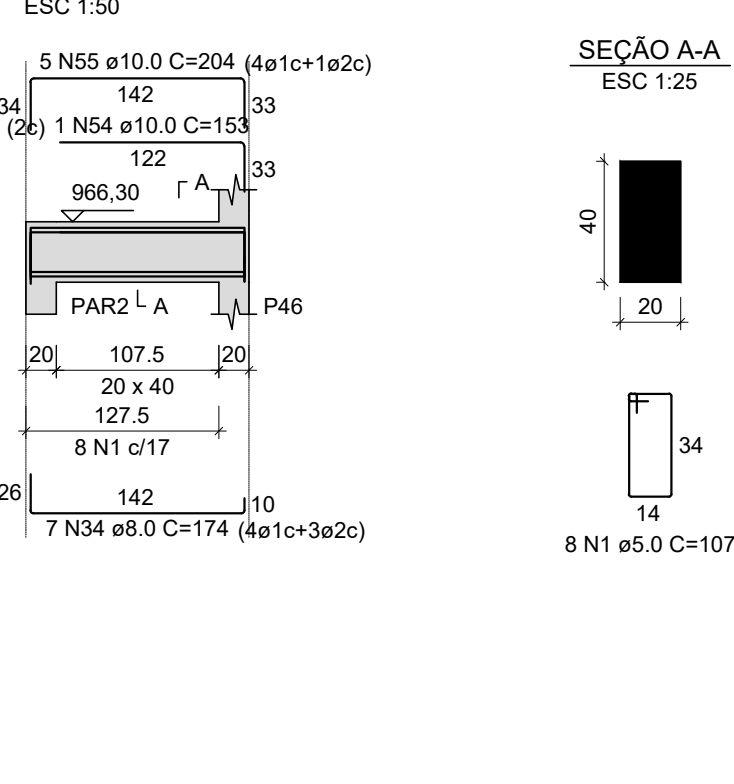
VIGA BALDRAME40



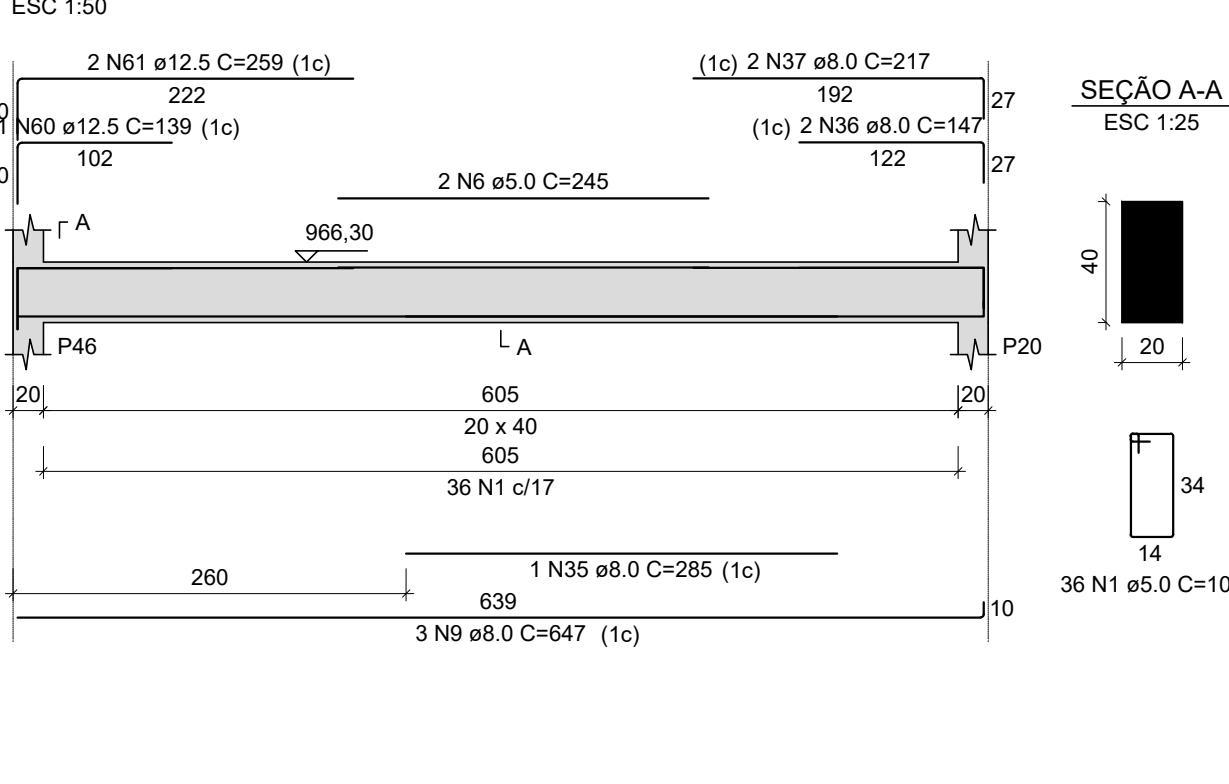
VIGA BALDRAME41



VIGA BALDRAME42



VIGA BALDRAME43



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	439	107	46973
	2	5.0	4	260	1040
	3	5.0	14	77	1078
	4	5.0	2	265	570
	5	5.0	2	265	530
CA50	6	5.0	2	245	490
	7	6.3	2	86	172
	8	8.0	3	300	900
	9	8.0	18	647	11646
	10	8.0	10	265	2650
	11	8.0	1	126	126
	12	8.0	2	186	372
	13	8.0	3	304	912
	14	8.0	2	131	262
	15	8.0	3	191	573
	16	8.0	4	110	440
	17	8.0	2	170	340
	18	8.0	2	671	1342
	19	8.0	5	655	3275
	20	8.0	1	80	80
	21	8.0	1	125	125
	22	8.0	1	135	135
	23	8.0	1	200	200
	24	8.0	3	240	720
	25	8.0	4	271	1084
	26	8.0	3	468	1404
	27	8.0	2	160	320
	28	8.0	2	273	546
	29	8.0	3	295	885
	30	8.0	4	286	1144
	31	8.0	1	105	105
	32	8.0	2	165	330
	33	8.0	3	673	2019
	34	8.0	7	174	1218
	35	8.0	1	285	285
	36	8.0	2	147	294
	37	8.0	2	217	434
	38	10.0	8	188	1504
	39	10.0	8	233	1864
	40	10.0	2	142	284
	41	10.0	4	227	908
	42	10.0	1	345	345
	43	10.0	2	658	1316
	44	10.0	2	255	510
	45	10.0	2	694	1388
	46	10.0	2	147	294
	47	10.0	2	227	454
	48	10.0	1	135	135
	49	10.0	2	205	410
	50	10.0	2	276	552
	51	10.0	2	293	586
	52	10.0	2	235	470
	53	10.0	2	463	926
	54	10.0	1	153	153
	55	10.0	6	204	1020
	56	12.5	2	305	610
	57	12.5	2	234	468
	58	12.5	2	236	472
	59	12.5	2	235	470
	60	12.5	1	139	139
	61	12.5	2	259	518

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.3	1.7	0.5
	8.0	352.6	153
	10.0	131.2	89
	12.5	26.8	28.4
	5.0	506.8	85.9
PESO TOTAL (kg)			
CA50	270.8		
CA60	85.9		

Volume de concreto fck 3,0kN/cm² (C-30) = 5.87 m³
Área de forma = 73.80 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 COORDENADOR PROJETO KARINE NARDY
ASSUNTO	PROJETO DE ESTRUTURAS DE CONCRETO ARMAÇÃO DAS VIGAS BALDRAME AO BLOCO 02		PROJETISTA JOSE ATACIZIO DA FE ESCALA INDICADA DATA 21/11/22 ARQUIVO 004-EST-BLOCO 02-BELVEDERE-006