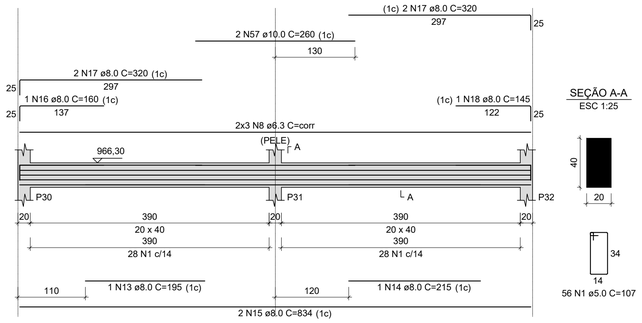
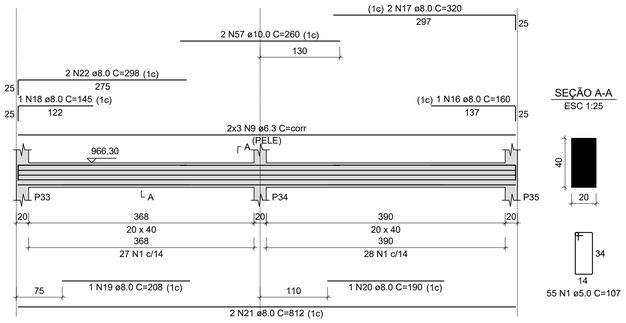
VIGA BALDRAME16
ESC 1:50



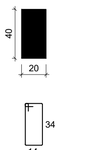
SEÇÃO A-A
ESC 1:25

56 N1 ø5.0 C=107

VIGA BALDRAME17
ESC 1:50

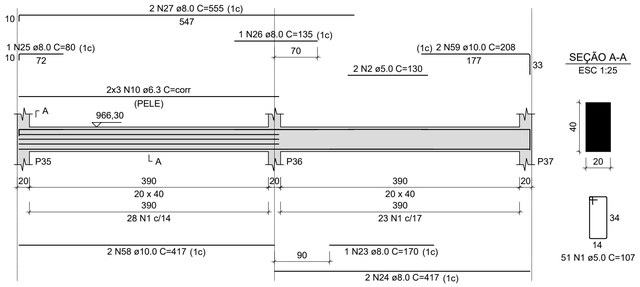


SEÇÃO A-A
ESC 1:25



55 N1 ø5.0 C=107

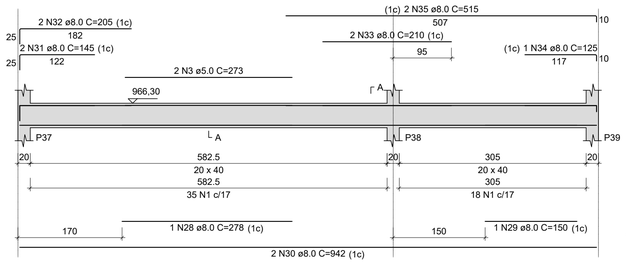
VIGA BALDRAME18
ESC 1:50



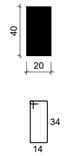
SEÇÃO A-A
ESC 1:25

51 N1 ø5.0 C=107

VIGA BALDRAME19
ESC 1:50

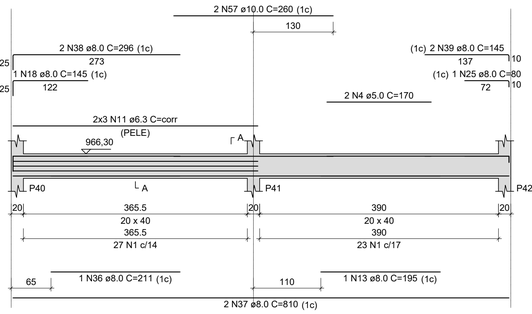


SEÇÃO A-A
ESC 1:25

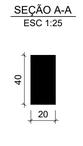


53 N1 ø5.0 C=107

VIGA BALDRAME20
ESC 1:50

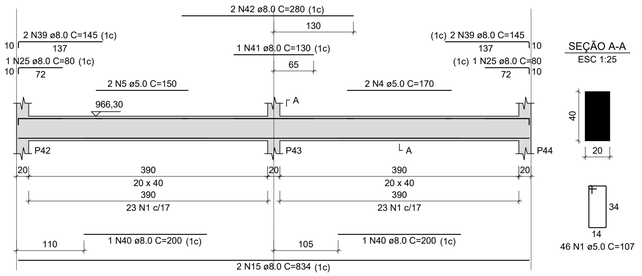


SEÇÃO A-A
ESC 1:25



50 N1 ø5.0 C=107

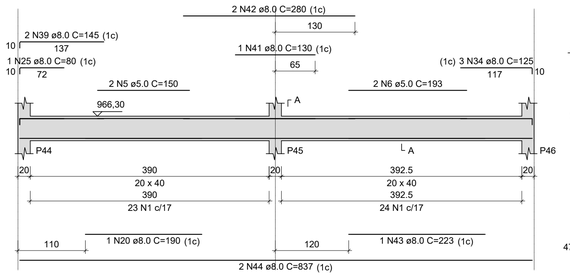
VIGA BALDRAME21
ESC 1:50



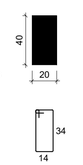
SEÇÃO A-A
ESC 1:25

46 N1 ø5.0 C=107

VIGA BALDRAME22
ESC 1:50

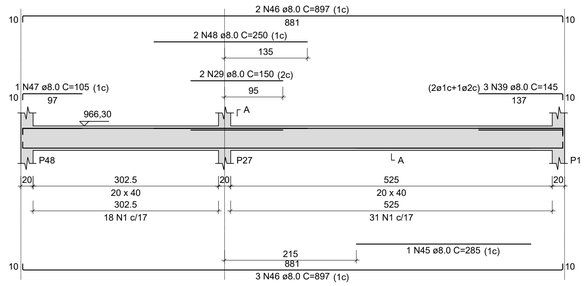


SEÇÃO A-A
ESC 1:25

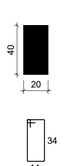


47 N1 ø5.0 C=107

VIGA BALDRAME23
ESC 1:50

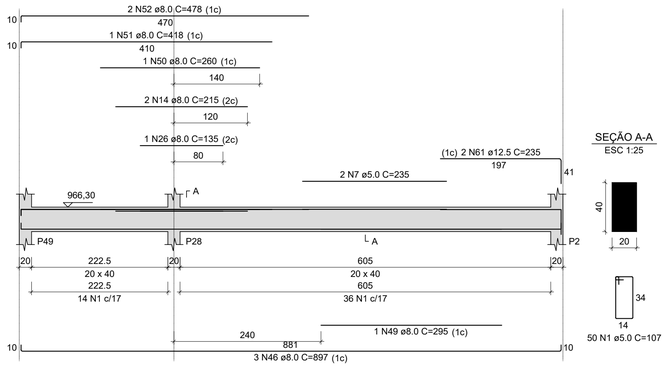


SEÇÃO A-A
ESC 1:25



49 N1 ø5.0 C=107

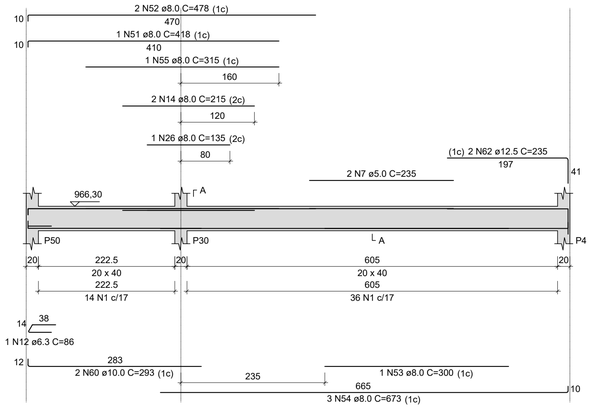
VIGA BALDRAME24
ESC 1:50



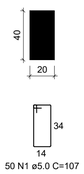
SEÇÃO A-A
ESC 1:25

50 N1 ø5.0 C=107

VIGA BALDRAME25
ESC 1:50

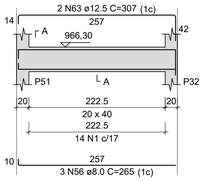


SEÇÃO A-A
ESC 1:25

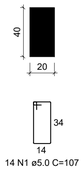


50 N1 ø5.0 C=107

VIGA BALDRAME26
ESC 1:50

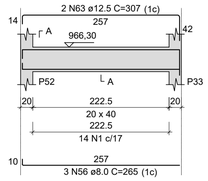


SEÇÃO A-A
ESC 1:25

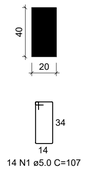


14 N1 ø5.0 C=107

VIGA BALDRAME27
ESC 1:50



SEÇÃO A-A
ESC 1:25



14 N1 ø5.0 C=107

RELAÇÃO DO AÇO

VIGA BALDRAME16/VIGA BALDRAME17/VIGA BALDRAME18
VIGA BALDRAME19/VIGA BALDRAME20/VIGA BALDRAME21
VIGA BALDRAME22/VIGA BALDRAME23/VIGA BALDRAME24
VIGA BALDRAME25/VIGA BALDRAME26/VIGA BALDRAME27

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	535	107	57245
	2	5.0	2	130	260
	3	5.0	2	273	546
	4	5.0	4	170	680
	5	5.0	4	150	600
	6	5.0	2	193	386
	7	5.0	4	235	940
CA50	8	6.3	6	corr	5004
	9	6.3	6	corr	4872
	10	6.3	6	corr	2544
	11	6.3	6	corr	2400
	12	6.3	1	86	86
	13	8.0	2	195	390
	14	8.0	5	215	1075
	15	8.0	4	834	3336
	16	8.0	2	160	320
	17	8.0	6	320	1920
	18	8.0	3	145	435
	19	8.0	1	208	208
	20	8.0	2	190	380
	21	8.0	2	812	1624
	22	8.0	2	298	596
	23	8.0	1	170	170
	24	8.0	2	417	834
	25	8.0	5	80	400
	26	8.0	3	135	405
	27	8.0	2	555	1110
	28	8.0	1	278	278
	29	8.0	3	150	450
	30	8.0	2	942	1884
	31	8.0	2	145	290
	32	8.0	2	205	410
	33	8.0	2	210	420
	34	8.0	4	125	500
	35	8.0	2	515	1030
	36	8.0	1	211	211
	37	8.0	2	810	1620
	38	8.0	2	296	592
	39	8.0	11	145	1595
	40	8.0	2	200	400
	41	8.0	2	130	260
	42	8.0	4	280	1120
	43	8.0	1	223	223
	44	8.0	2	837	1674
	45	8.0	1	285	285
	46	8.0	8	897	7176
	47	8.0	1	105	105
	48	8.0	2	250	500
	49	8.0	1	295	295
	50	8.0	1	260	260
	51	8.0	2	418	836
	52	8.0	4	478	1912
	53	8.0	1	300	300
	54	8.0	3	673	2019
	55	8.0	1	315	315
	56	8.0	5	265	1590
	57	10.0	6	260	1560
	58	10.0	2	417	834
	59	10.0	2	208	416
	60	10.0	2	293	586
	61	12.5	2	235	470
	62	12.5	2	235	470
	63	12.5	4	307	1228

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	149.1	40.1
	8.0	417.5	181.2
	10.0	34	23
	12.5	21.7	23
CA60	5.0	606.6	102.8

PESO TOTAL (kg)	
CA50	267.4
CA60	102.8

Volume de concreto fck3,0kN/cm² (C-30) = 6.76 m³
Área de forma = 84.51 m²

REVISÃO	DATA	DESCRIÇÃO	RESP.
05	21/11/22	REVISÃO CONFORME NOTA TÉCNICA	ATACIZIO

EMPRESA
MARKA ARQUITETURA E ENGENHARIA LTDA
RUA PROFESSOR ABEYLARD, 279, SALA 9
CENTRO, SETE LAGOAS/MG
apoio@markaprojetos.com.br
(31) 3177-4235
www.markaprojetos.com.br

ESPECIALIDADE: ESTRUTURAL
FASE DO PROJETO: EXECUTIVO

EMPREENDIMENTO – OBRA
ESCOLA MUNICIPAL BELVEDERDE
RUA JOSÉ COELHO, RUA CANADÁ E RUA SÉRGIO JACOWLEVSKI
B. SIDERÚRGICO – CONSELHEIRO LAFAIETE/MG

RESPONSÁVEL PROJETO: JOSÉ ATACIZIO DA FÉ ENG.CIVIL CREA/MG 87.669/D
COORDENADOR PROJETO: KARINE NARDY
PROJETISTA: JOSÉ ATACÍZIO DA FÉ

ASSUNTO
PROJETO DE ESTRUTURAS DE CONCRETO
ARMAÇÃO VIGAS BALDRAME BLOCO 02

ESCALA: INDICADA
DATA: 21/11/22
ARQUIVO: 064-EST-BLOCO 02-BELVEDERE-R06
Nº FOLHA: 09

FORMATO A1 - PADRÃO ABNT - (841 x 594mm)