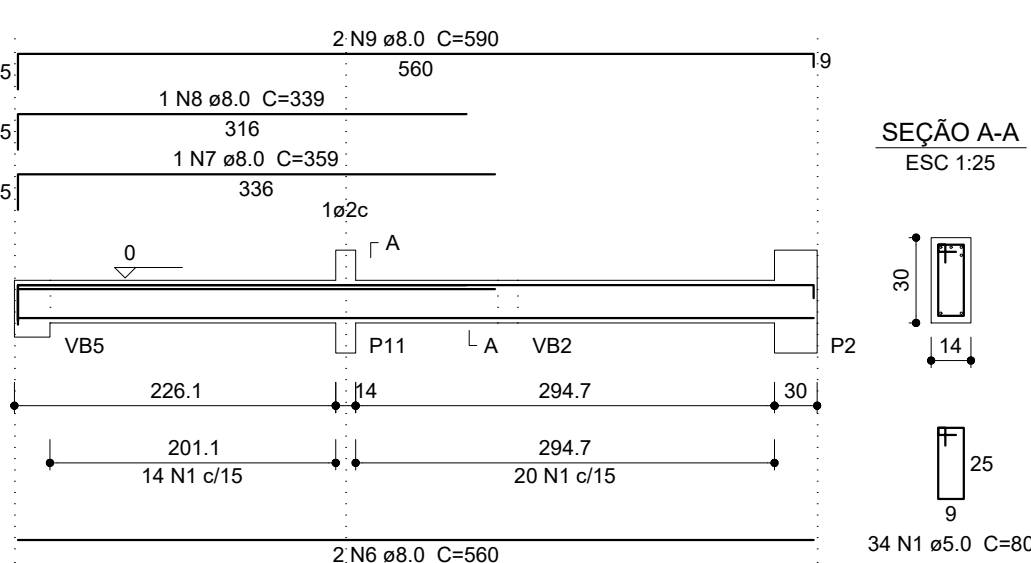
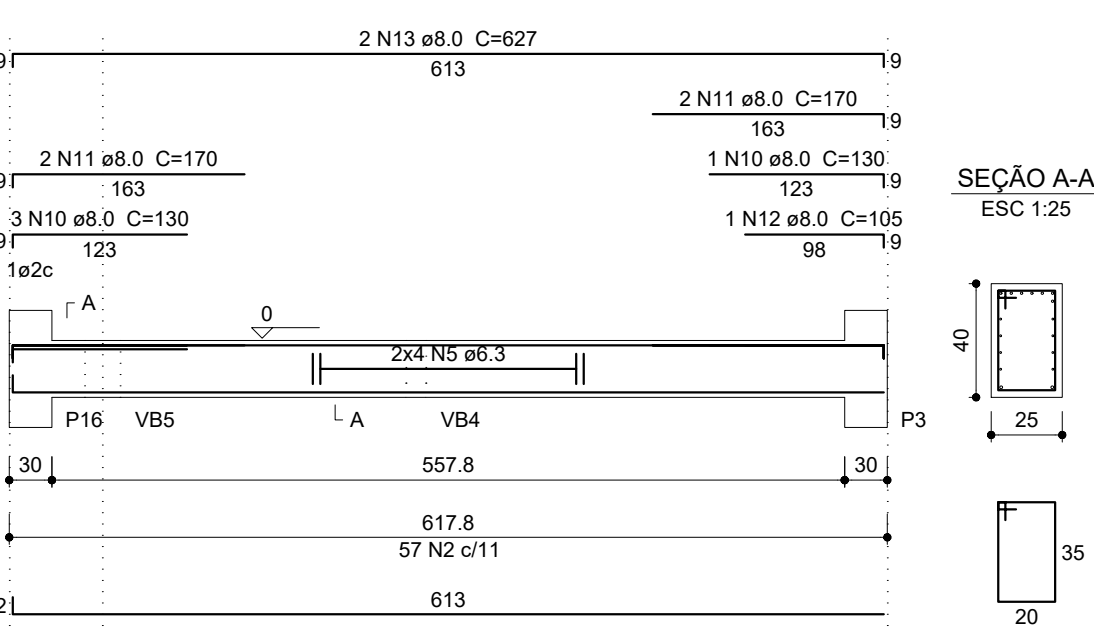


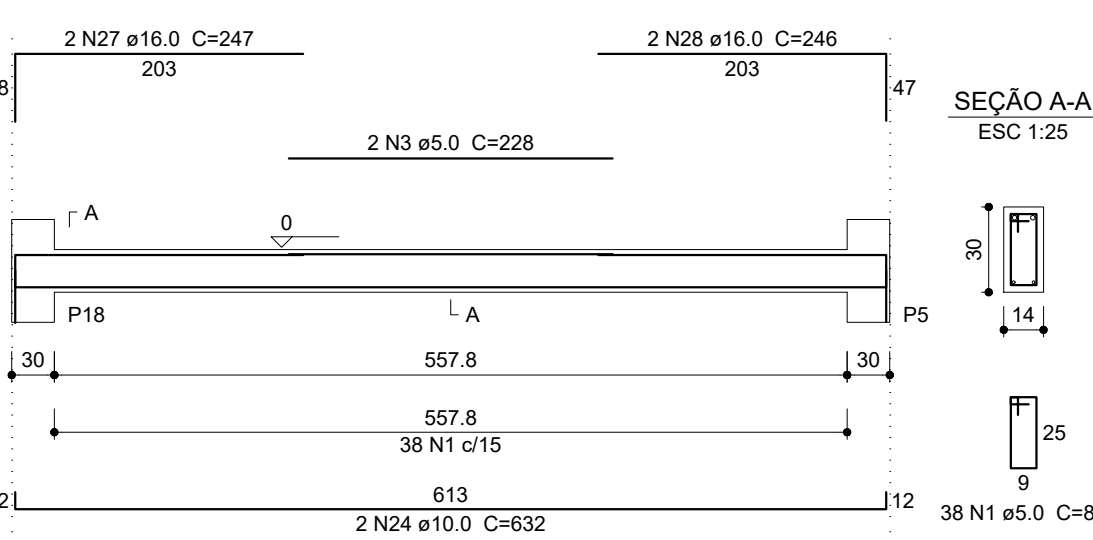
VB17



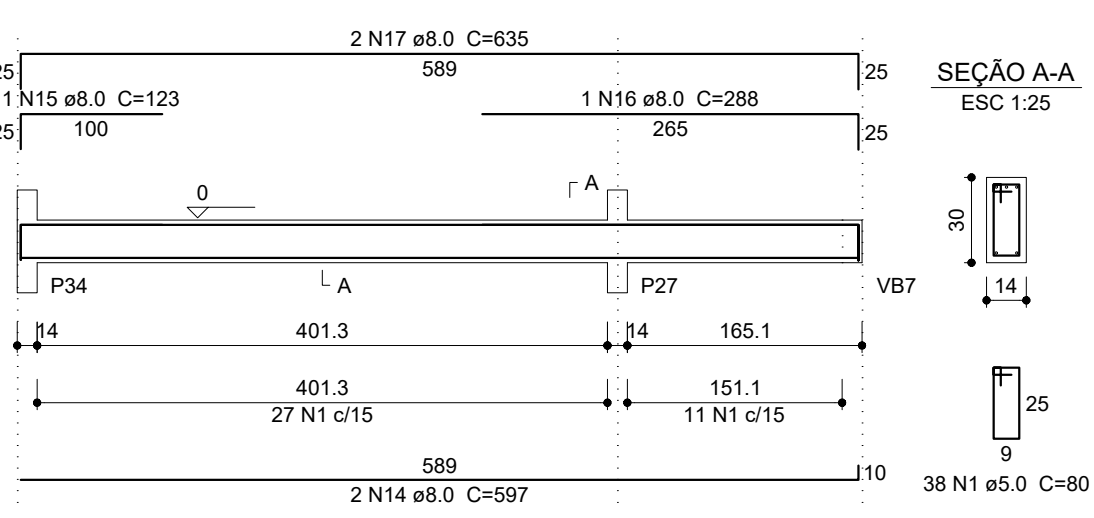
VB19



VB22



VB23



Relação do aço

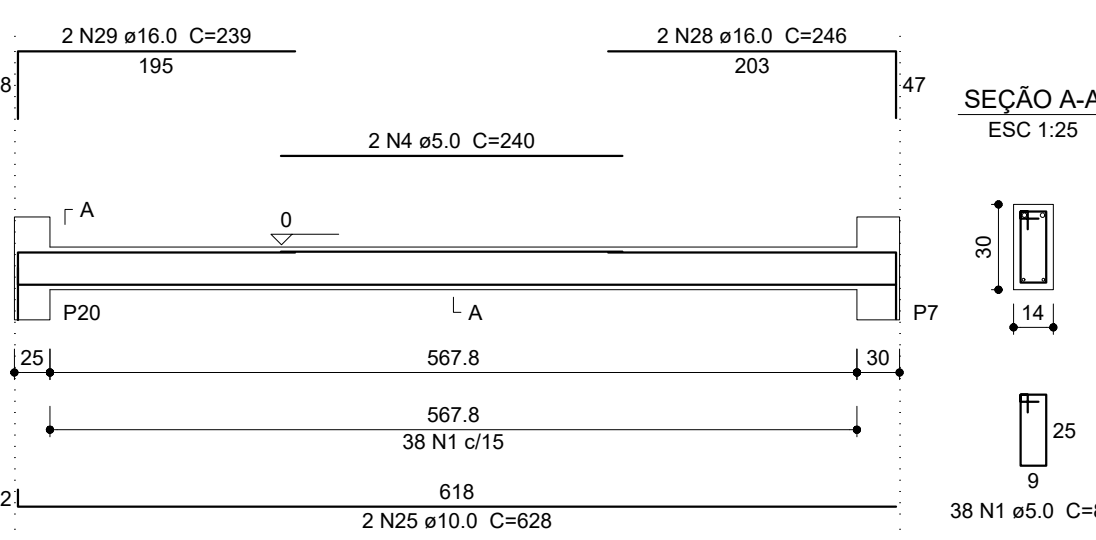
VB16	VB17	VB18			
VB19	VB20	VB21			
VB22	VB23	VB24			
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	243	80	19440
	2	5.0	57	122	6954
	3	5.0	2	228	456
	4	5.0	2	240	480
CA50	5	6.3	8	CORR	4904
	6	8.0	2	560	1120
	7	8.0	1	359	359
	8	8.0	1	339	339
	9	8.0	2	590	1180
	10	8.0	4	130	520
	11	8.0	4	170	680
	12	8.0	1	105	105
	13	8.0	2	627	1254
	14	8.0	2	597	1194
	15	8.0	1	123	123
	16	8.0	1	288	288
	17	8.0	2	635	1270
	18	8.0	2	349	698
	19	8.0	1	133	133
	20	8.0	2	386	772
21	8.0	9	423	3807	
22	8.0	1	113	113	
23	10.0	2	623	1246	
24	10.0	2	632	1264	
25	10.0	2	628	1256	
26	10.0	4	442	1768	
27	16.0	2	247	494	
28	16.0	4	246	984	
29	16.0	2	239	478	

Resumo do aço

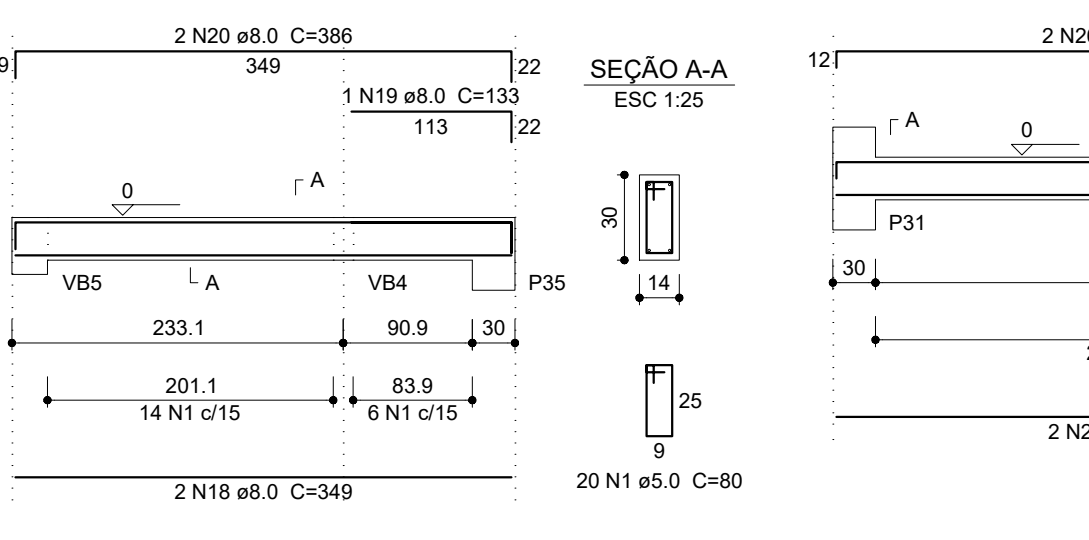
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	49.1	13.2
	8.0	139.6	60.6
	10.0	55.4	37.5
	16.0	19.6	34
CA60	5.0	273.3	46.3
PESO TOTAL (kg)			
CA50	145.3		
CA60	46.3		

Volume de concreto (C-25) = 2.31 m³

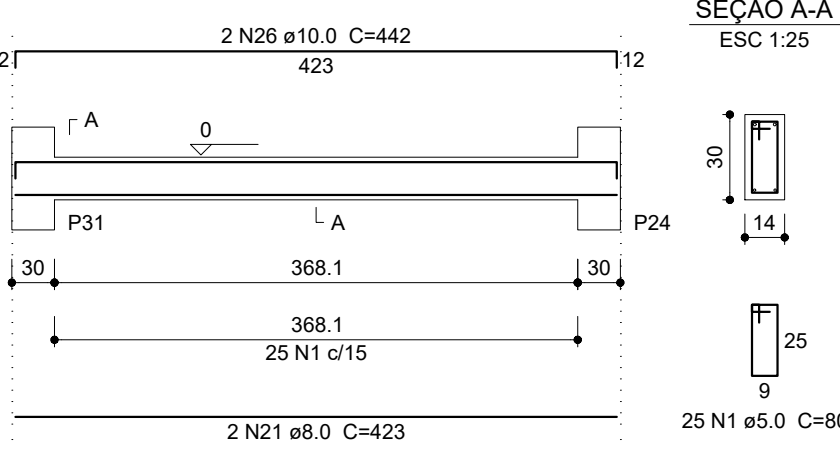
VB24



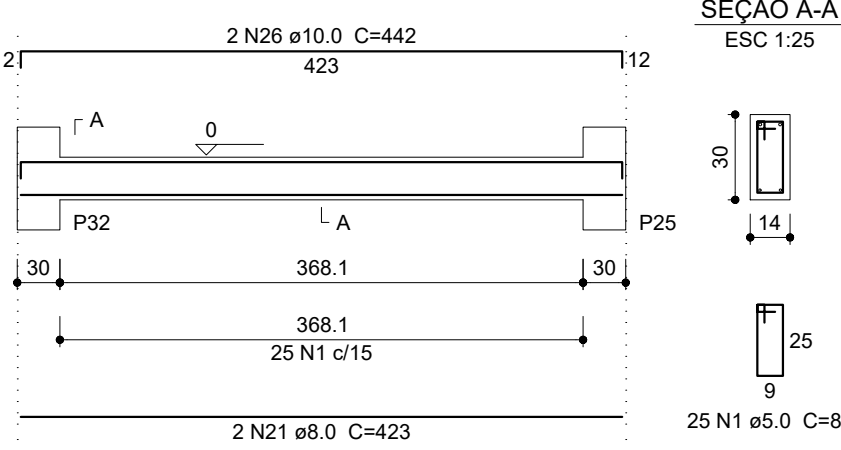
VB16



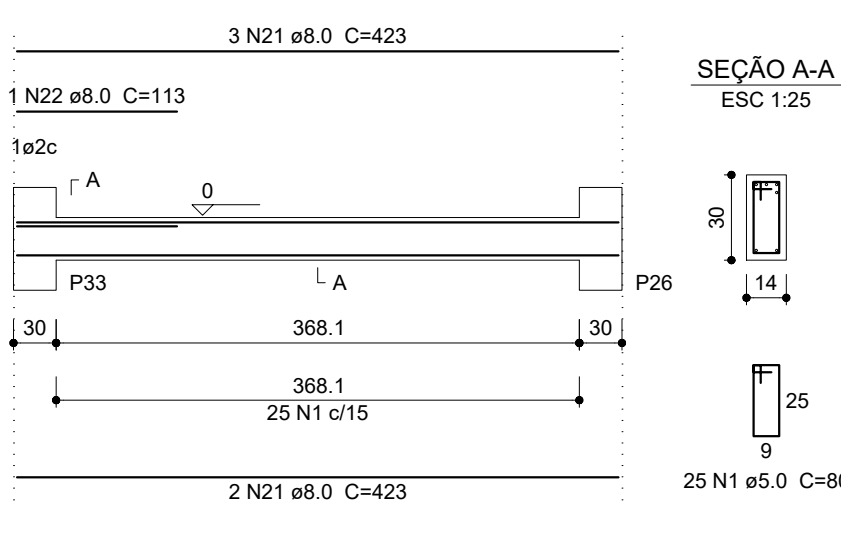
VB18



VB20



VB21



PREFEITURA MUNICIPAL DE SÃO CARLOS SECRETARIA MUNICIPAL DE OBRAS PÚBLICAS		
Projeto: ENG. WONG	CONSTRUÇÃO DE CRAS NO CONJ. RESIDENCIAL ITATIAIA	Data: OUTUBRO/2019
Desenho:		Revisão: 0
ART de Obra ou Serviço	Edificação: CENTRO DE REFERÊNCIA DE ASSISTÊNCIA SOCIAL - CRAS	Escala: INDICADAS
Visão:	Projeto: FUNDAÇÕES	Desenho Nº: E-05/10
	Título do Fecho: ARMAÇÃO DE VIGAS BALDRAME	