

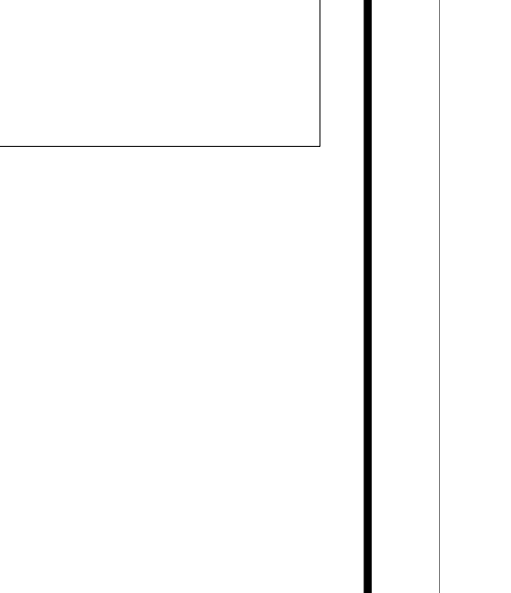
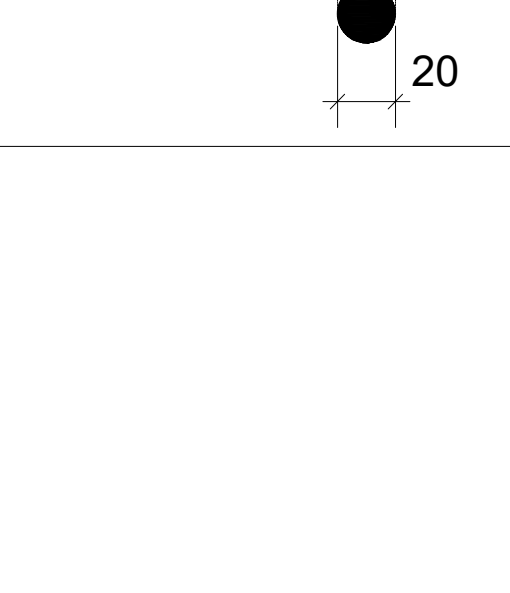
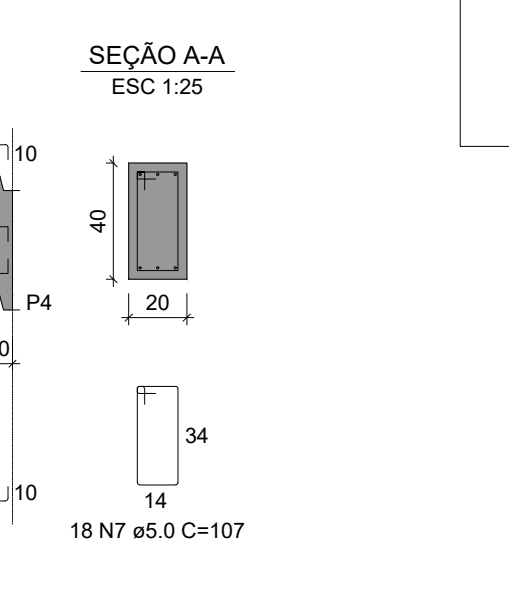
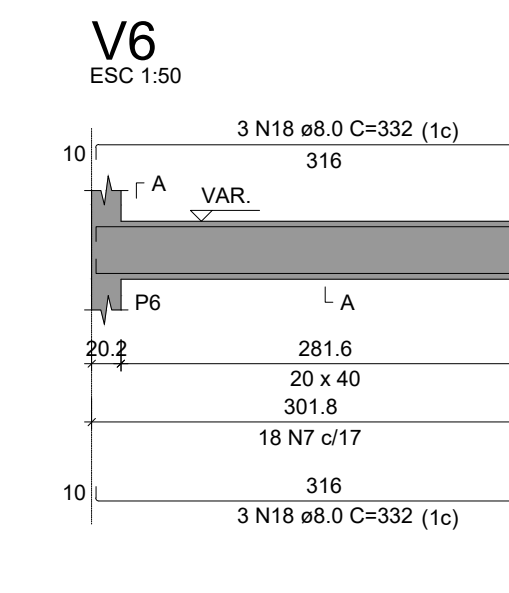
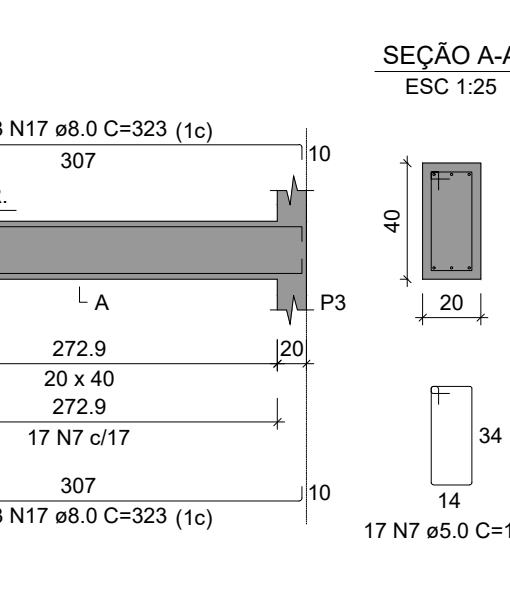
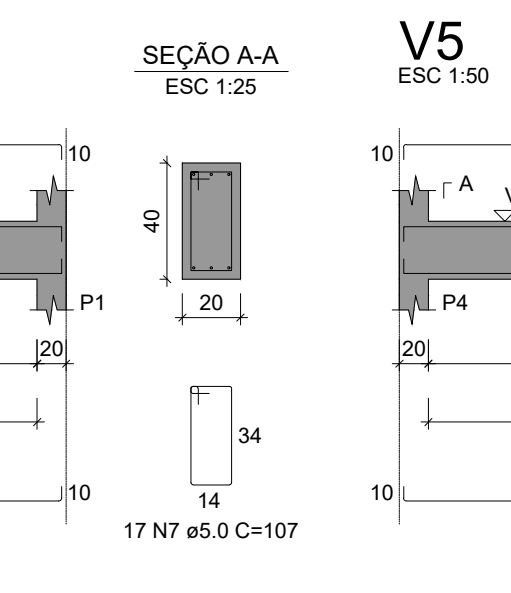
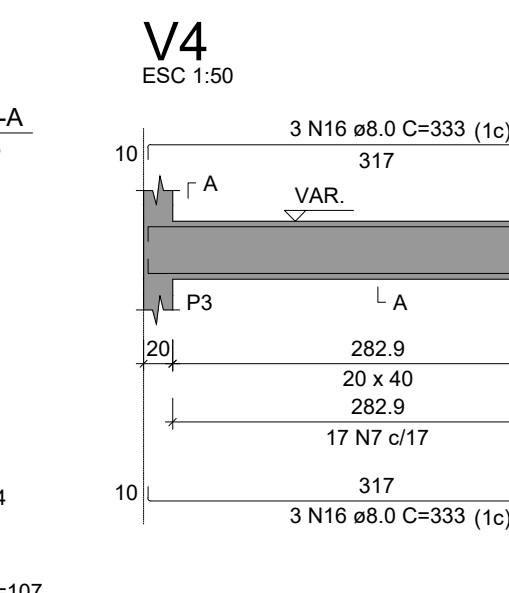
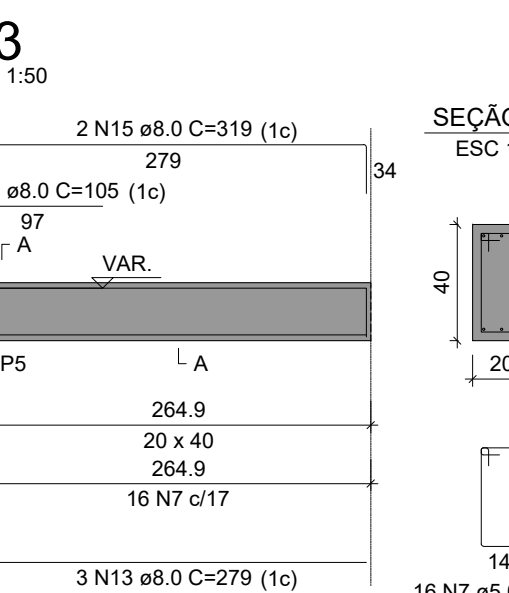
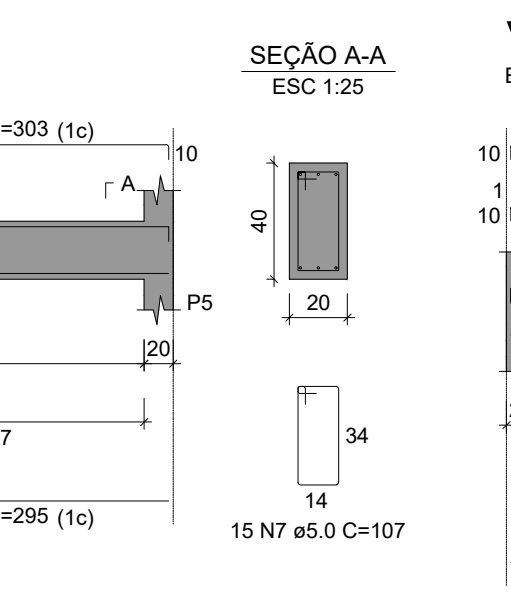
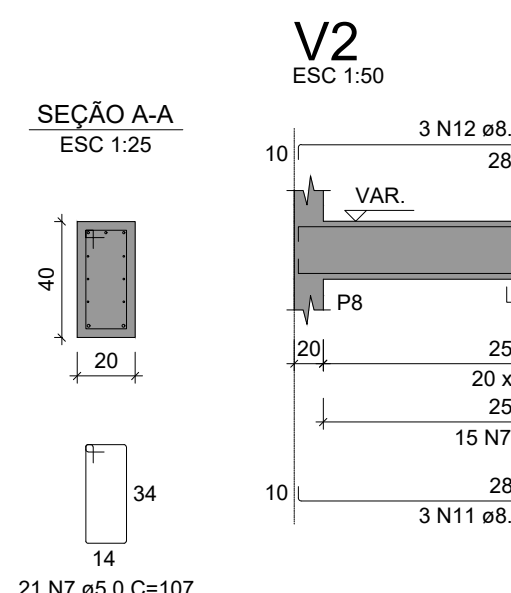
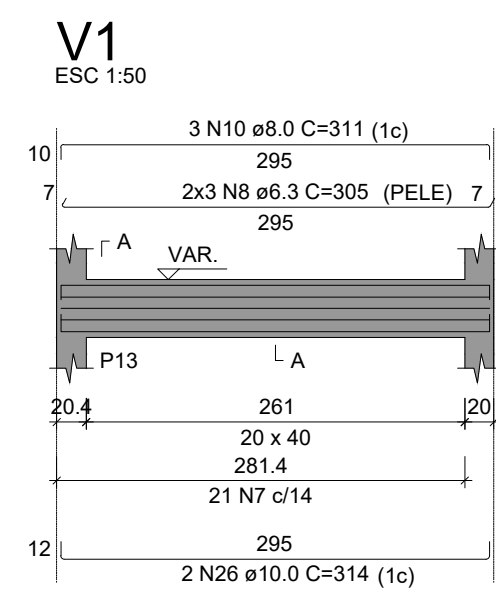
RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
B3	1	5.0	60	175	10500
5xB13	2	5.0	24	195	4680
P2	3	5.0	24	161	3864
5xP6	4	5.0	56	67	3752
V1	5	5.0	96	54	5184
V4	6	5.0	13	52	676
V7	7	5.0	191	107	20437
V10	8	5.0	6	305	1830
	9	5.0	6	136	816
	10	5.0	3	311	933
	11	5.0	3	295	885
	12	5.0	3	303	909
	13	5.0	3	279	837
	14	5.0	1	105	105
	15	5.0	2	319	638
	16	5.0	6	333	1998
	17	5.0	6	323	1938
	18	5.0	6	332	1992
	19	5.0	3	142	426
	20	5.0	3	172	516
	21	5.0	6	306	1836
	22	5.0	12	316	3792
	23	5.0	6	331	1986
	24	5.0	6	291	1746
	25	10.0	5	132	660
	26	10.0	2	314	628
	27	16.0	7	287	2009

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	26.5	7.1
	8.0	205.4	89.1
	10.0	74.9	50.8
	16.0	20.1	34.9
CA60	5.0	490.9	83.2
PESO TOTAL (kg)			
CA50		182	
CA60		83.2	

Volume de concreto fck 3,0kN/cm² (C-30) = 4.38 m³
Área de forma = 48.86 m²



06	21/11/22	PROJETO EXECUTIVO	ATACIZIO
05	03/11/22	EMISSÃO INICIAL	ATACIZIO
REVISÃO	DATA	DESCRIÇÃO	RESP.
EMPRESA	MARKA ARQUITETURA E ENGENHARIA LTDA RUA PROFESSOR ABEYARD, 279, SALA 9 CENTRO, SETE LAGOAS/MG apoio@markaprojetos.com.br (31) 3177-4235 www.markaprojetos.com.br		
RESPONSÁVEL PROJETO	JOSE ATACIZIO DA FE ENL.OBR. ORÇ.OBR. 87.669/D		
COORDENADOR PROJETO	KARINE NARDY		
PROJETISTA	JOSE ATACIZIO DA FE		
ASSUNTO	PROJETO DE ESTRUTURAS DE CONCRETO		
ARQUIVO	864-ST-MURO DE DIVISA-BELVEDERE-ROB		
ESPECIALIDADE	ESTRUTURAL		
FASE DO PROJETO	EXECUTIVO		
ESCALA	INDICADA		
DATA	21/11/2022		
Nº FOLHA	13		