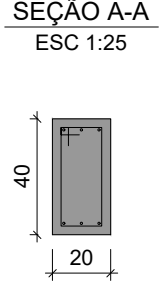
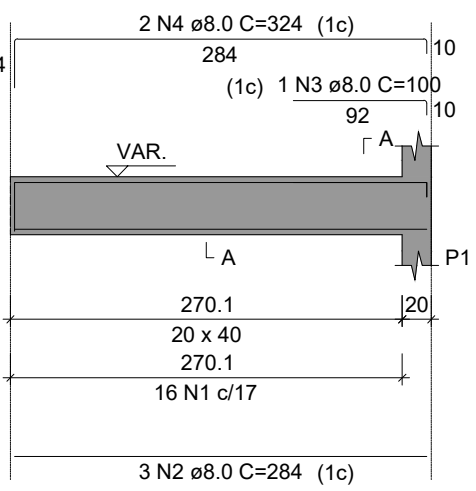


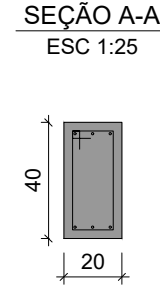
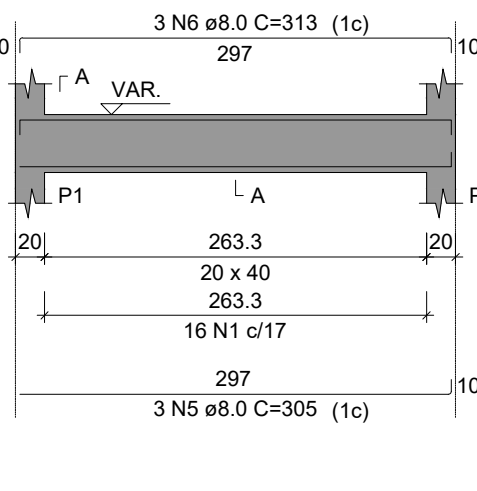
V1

ESC 1:50



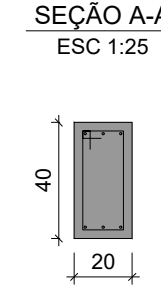
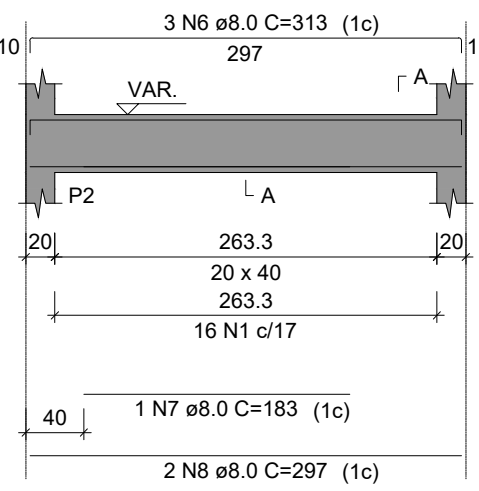
V2

ESC 1:50



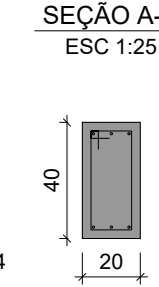
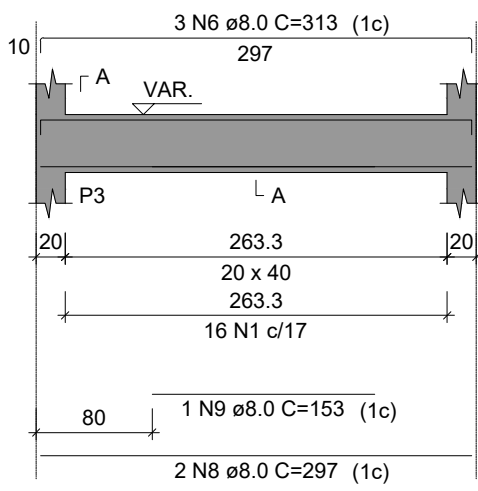
V3

ESC 1:50



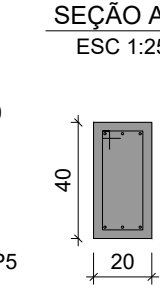
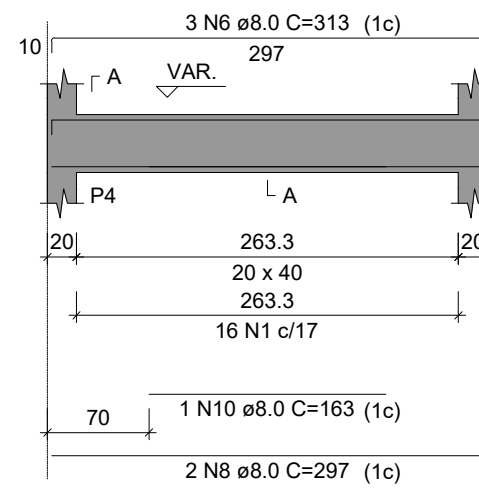
V4

ESC 1:50



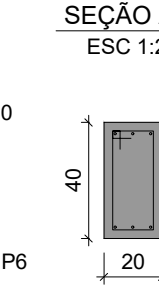
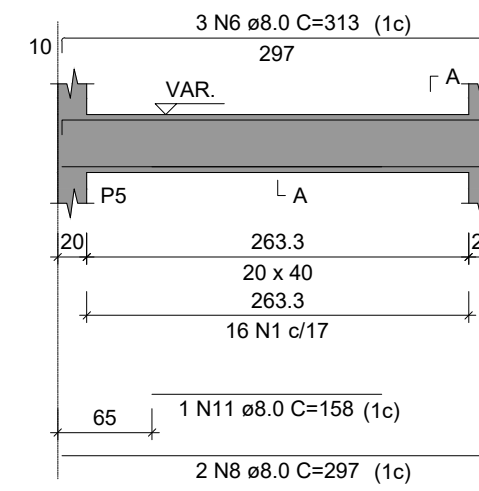
V5

ESC 1:50



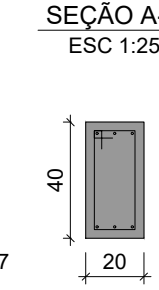
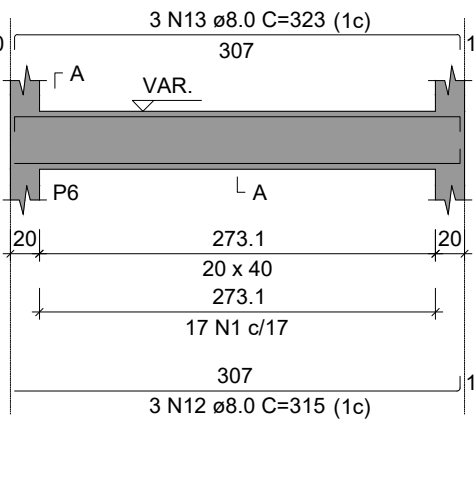
V6

ESC 1:50



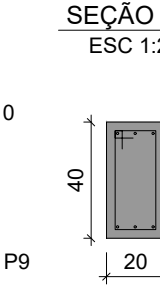
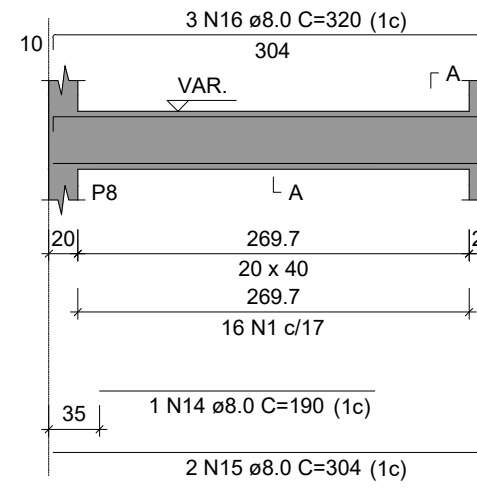
V7

ESC 1:50



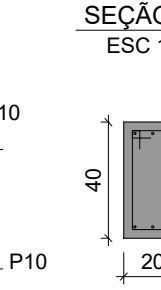
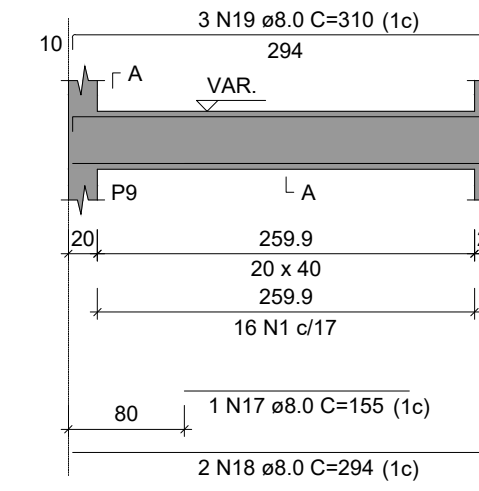
V8

ESC 1:50



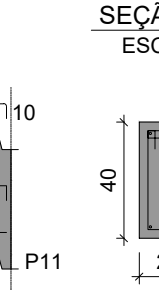
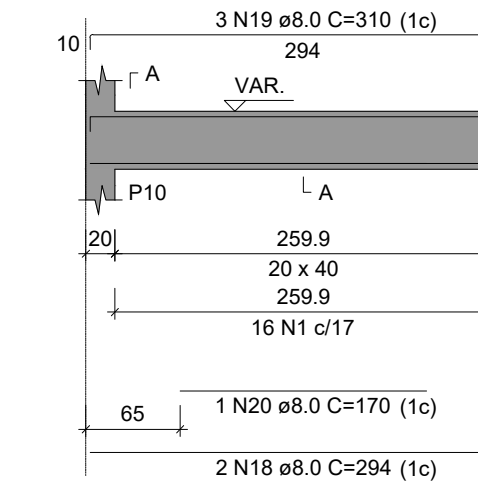
V9

ESC 1:50



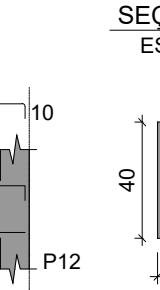
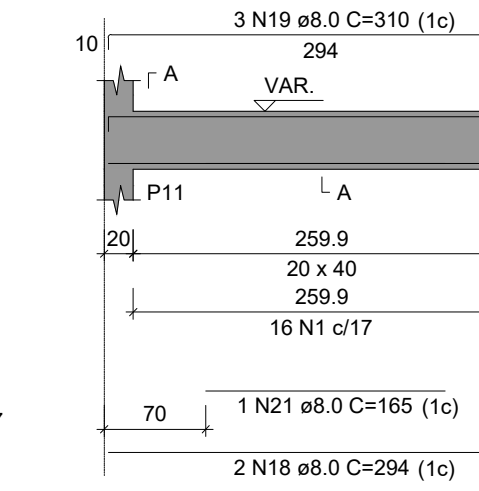
V10

ESC 1:50



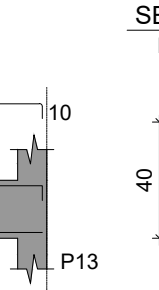
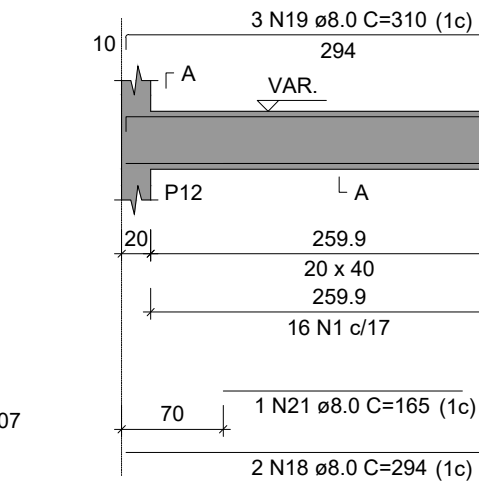
V11

ESC 1:50



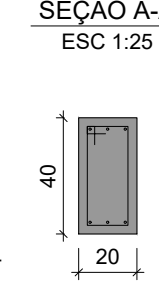
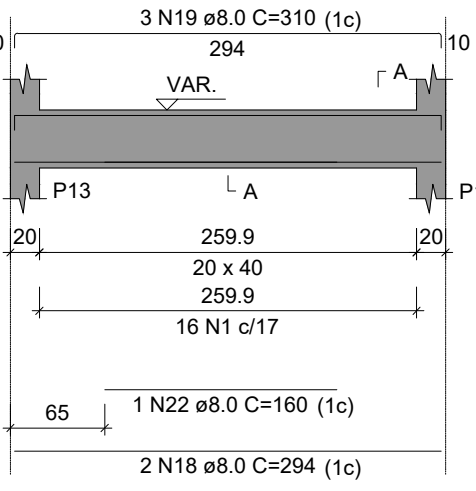
V12

ESC 1:50



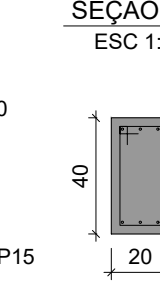
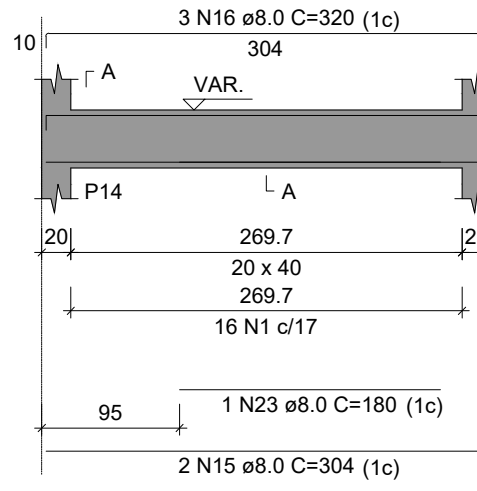
V13

ESC 1:50



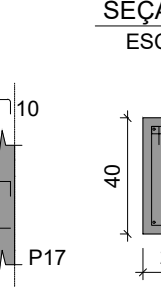
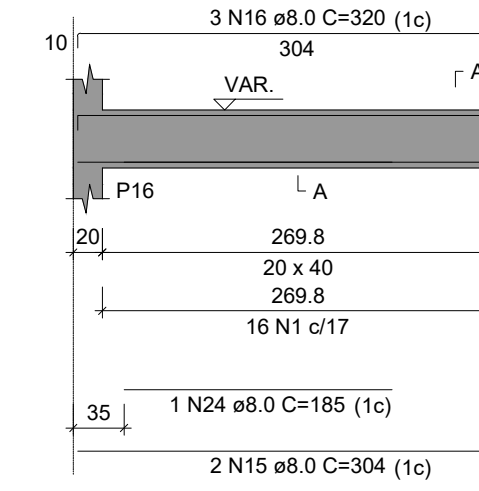
V14

ESC 1:50



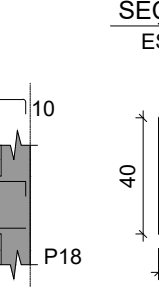
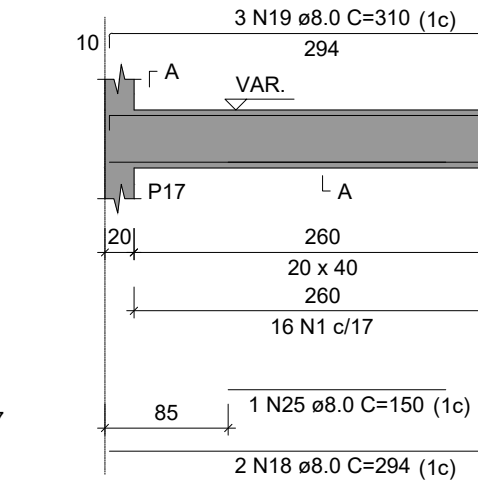
V15

ESC 1:50



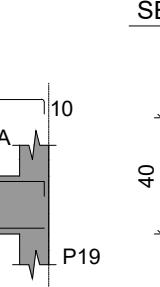
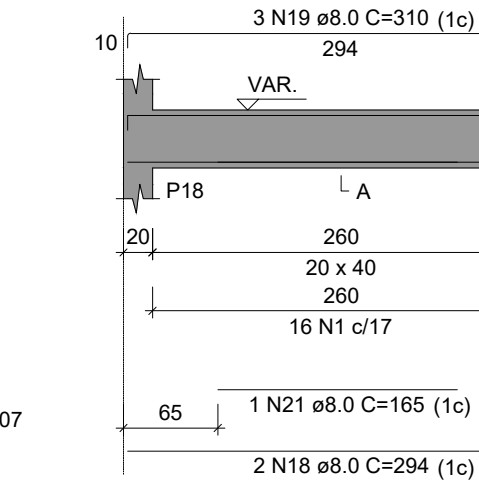
V16

ESC 1:50



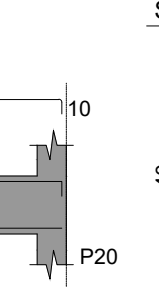
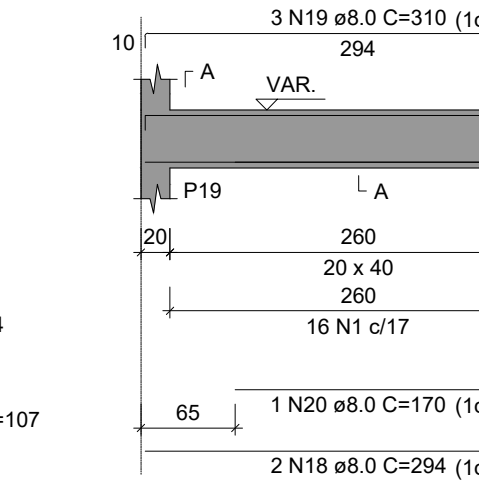
V17

ESC 1:50



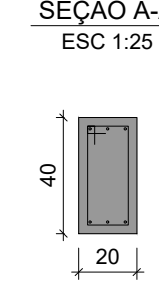
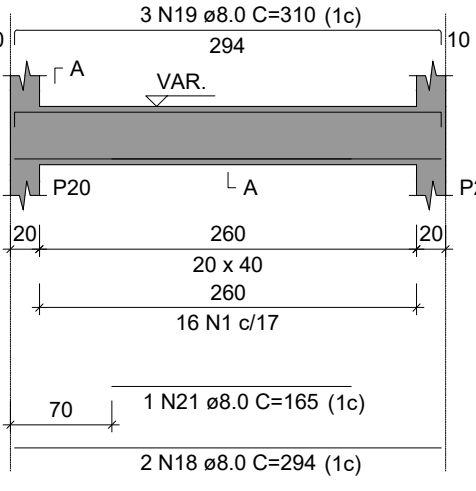
V18

ESC 1:50



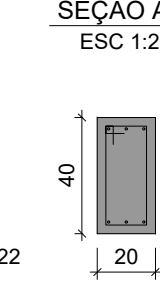
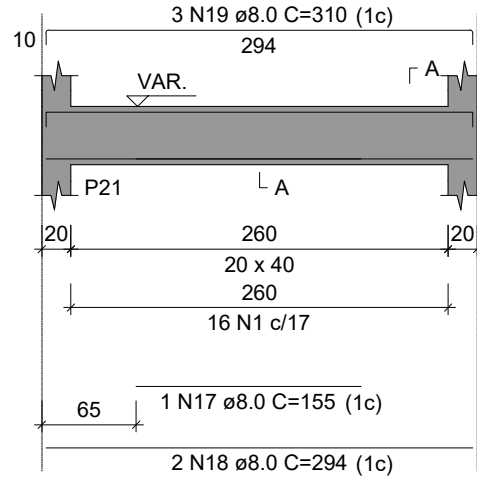
V19

ESC 1:50



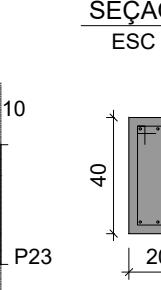
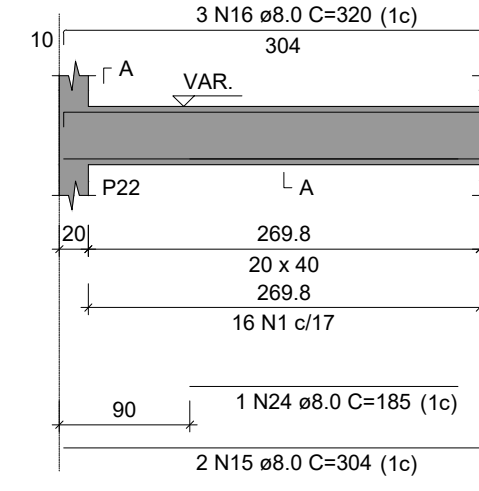
V20

ESC 1:50



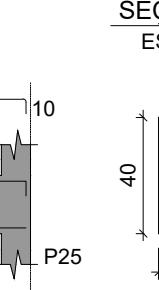
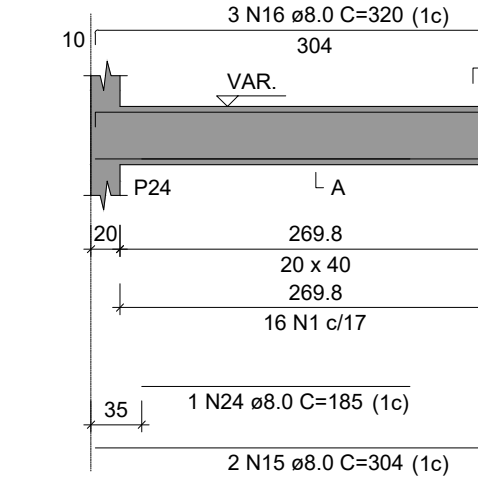
V21

ESC 1:50



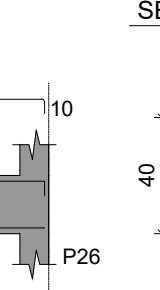
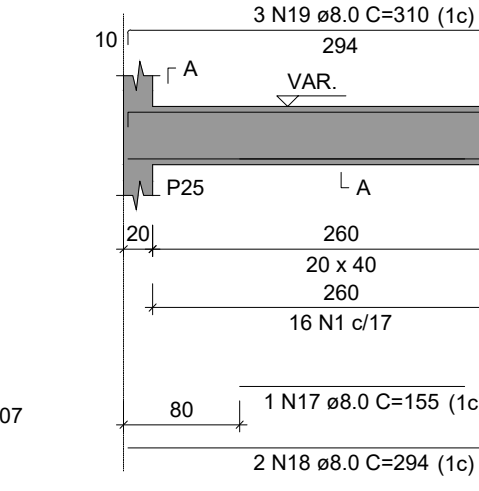
V22

ESC 1:50



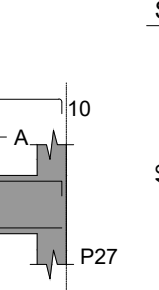
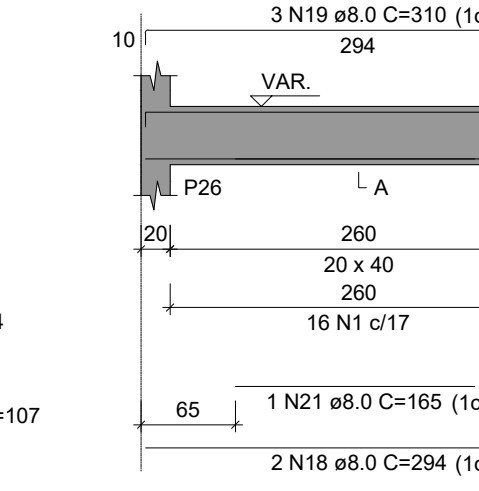
V23

ESC 1:50



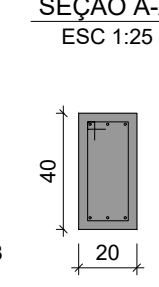
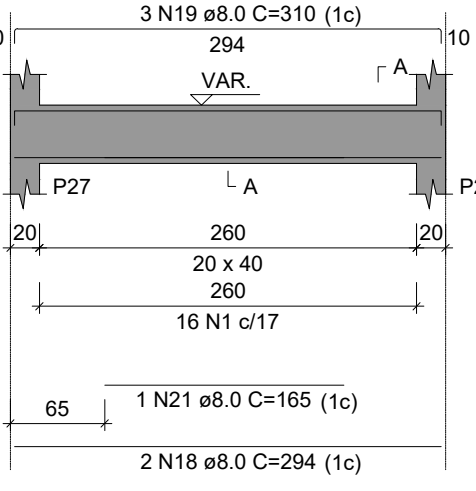
V24

ESC 1:50



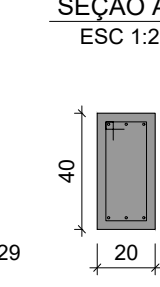
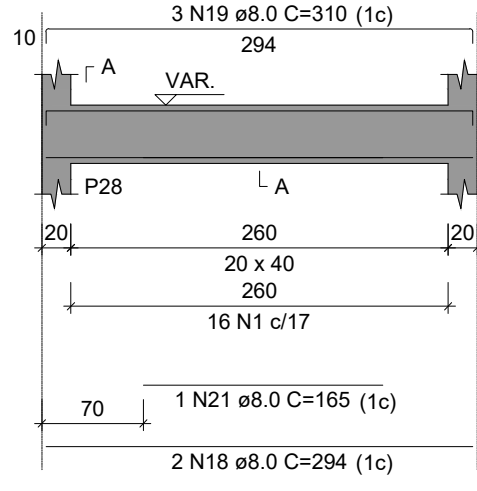
V25

ESC 1:50



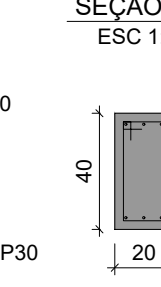
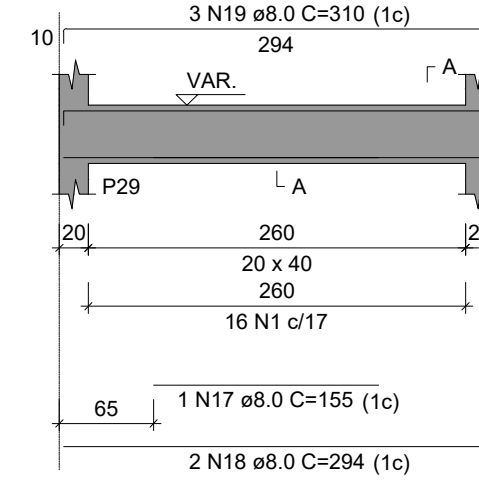
V26

ESC 1:50



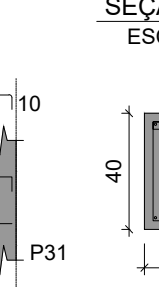
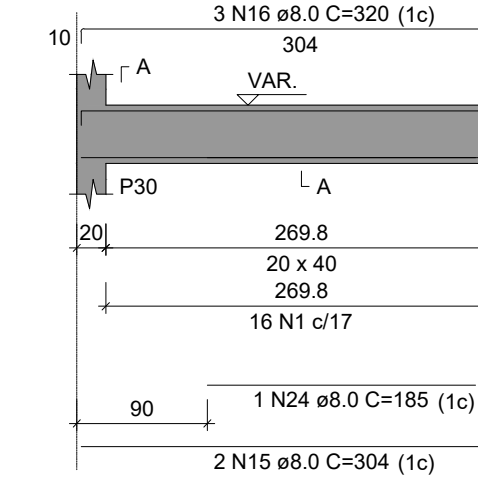
V27

ESC 1:50



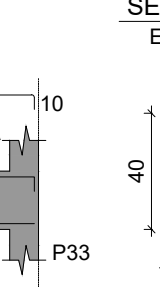
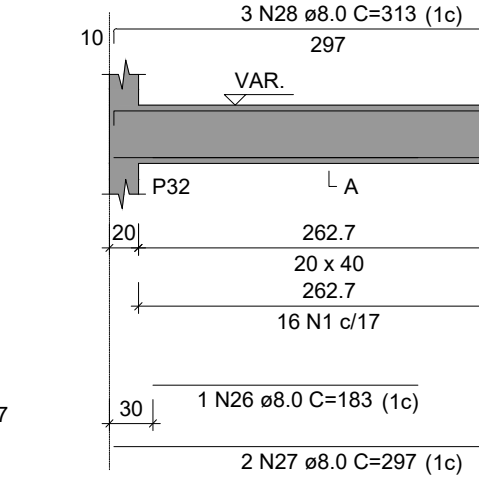
V28

ESC 1:50



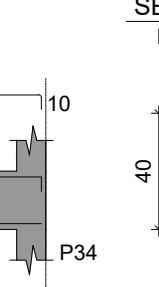
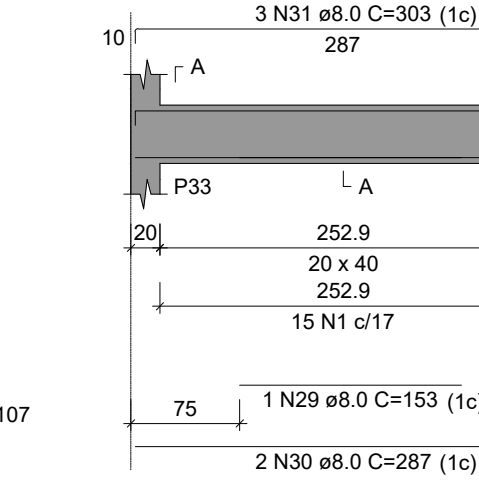
V29

ESC 1:50



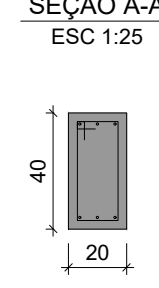
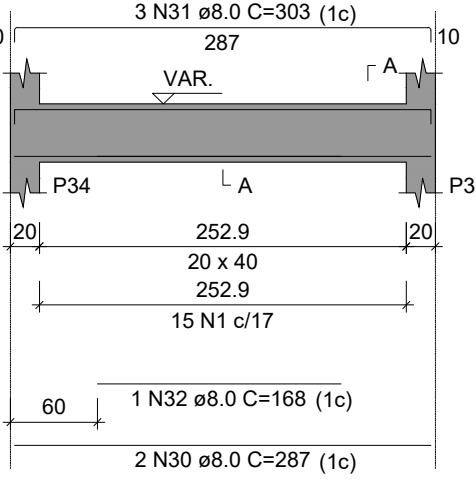
V30

ESC 1:50



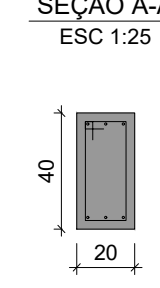
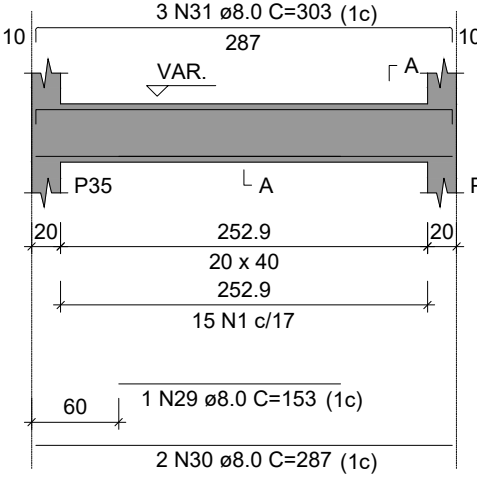
V31

ESC 1:50



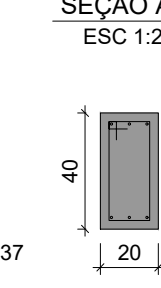
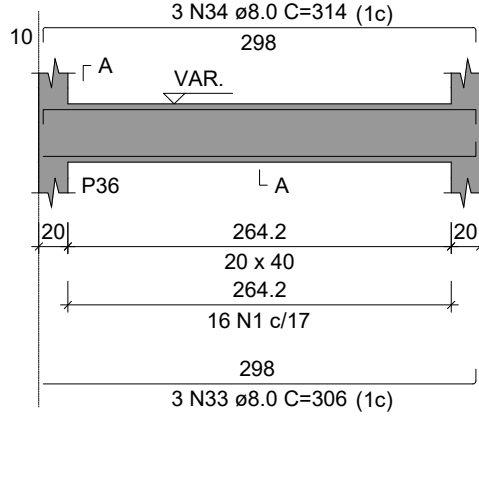
V32

ESC 1:50



V33

ESC 1:50



RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	V21
V22	V23	V24
V25	V26	V27
V28	V29	V30
V31	V32	V33

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	526	107	56282
CA50	2	8.0	3	284	852
	3	8.0	1	100	100
	4	8.0	2	324	648
	5	8.0	3	305	915
	6	8.0	15	313	4695
	7	8.0	1	183	183
	8	8.0	8	297	2376
	9	8.0	1	153	153
	10	8.0	1	163	163
	11	8.0	1	158	158
	12	8.0	3	315	945
	13	8.0	3	323	969
	14	8.0	1	190	190
	15	8.0	12	304	3648
	16	8.0	18	320	5760
	17	8.0	4	155	620
	18	8.0	30	294	8820
	19	8.0	45	310	13950
	20	8.0	2	170	340
	21	8.0	7	165	1155
	22	8.0	1	160	160
	23	8.0	1	180	180
	24	8.0	4	185	740
	25	8.0	1	150	150
	26	8.0	1	183	183
	27	8.0	2	297	594
	28	8.0	3	313	939
	29	8.0	2	153	306
	30	8.0	6	287	1722
	31	8.0	9	303	2727
	32	8.0	1	168	168
	33	8.0	3	306	918
	34	8.0	3	314	942

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	563.7	244.7
CA60	5.0	562.8	95.4
PESO TOTAL (kg)		244.7	95.4

Volume de concreto fck 3,0kN/cm² (C-30) = 6.93 m³
Área de forma = 86.65 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	ESPECIALIDADE ESTRUTURAL FASE DO PROJETO EXECUTIVO RESPONSÁVEL PROJETO JOSE ATACIZIO DA FE ENCARGO PROJETO KARINE NARDY PROJETISTA JOSE ATACIZIO DA FE ASSUNTO PROJETO DE ESTRUTURAS DE CONCRETO ARMAÇÃO DAS VIGAS-MURO DE DIVISA 03	
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