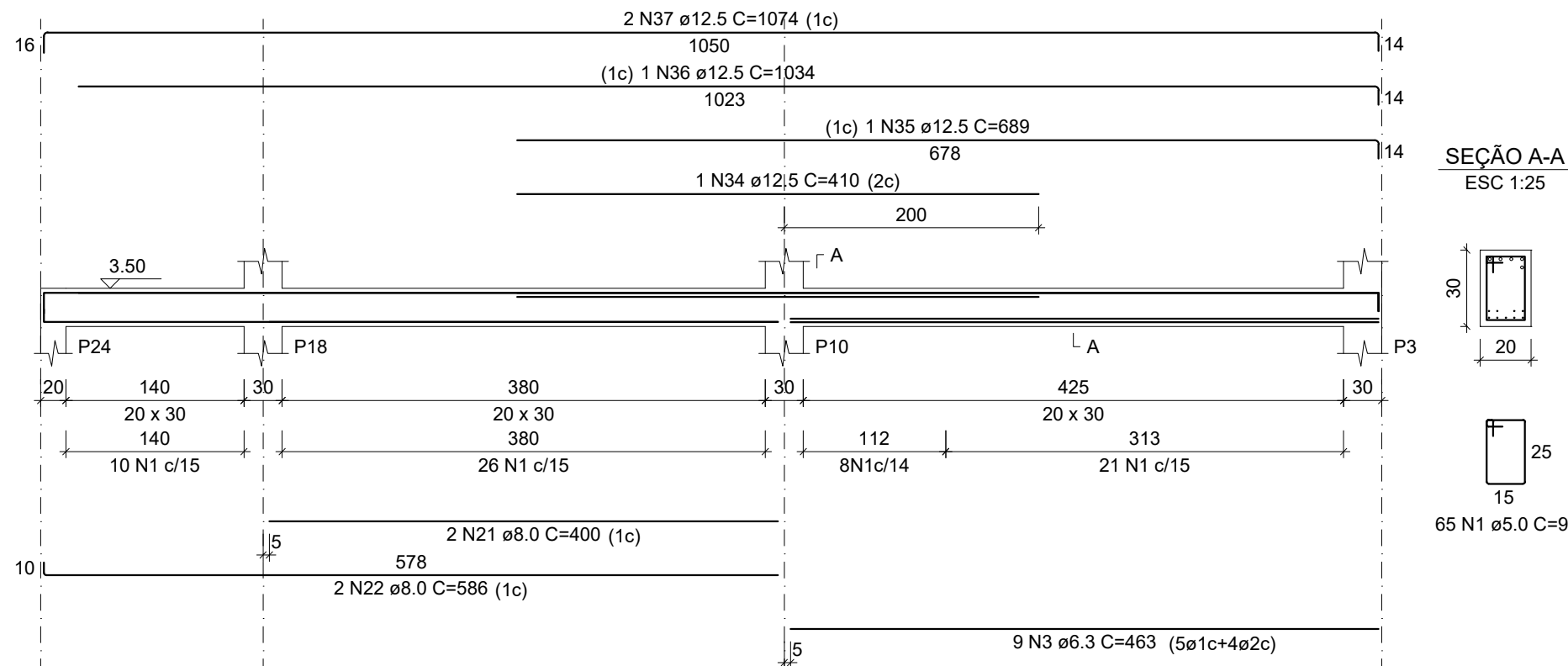


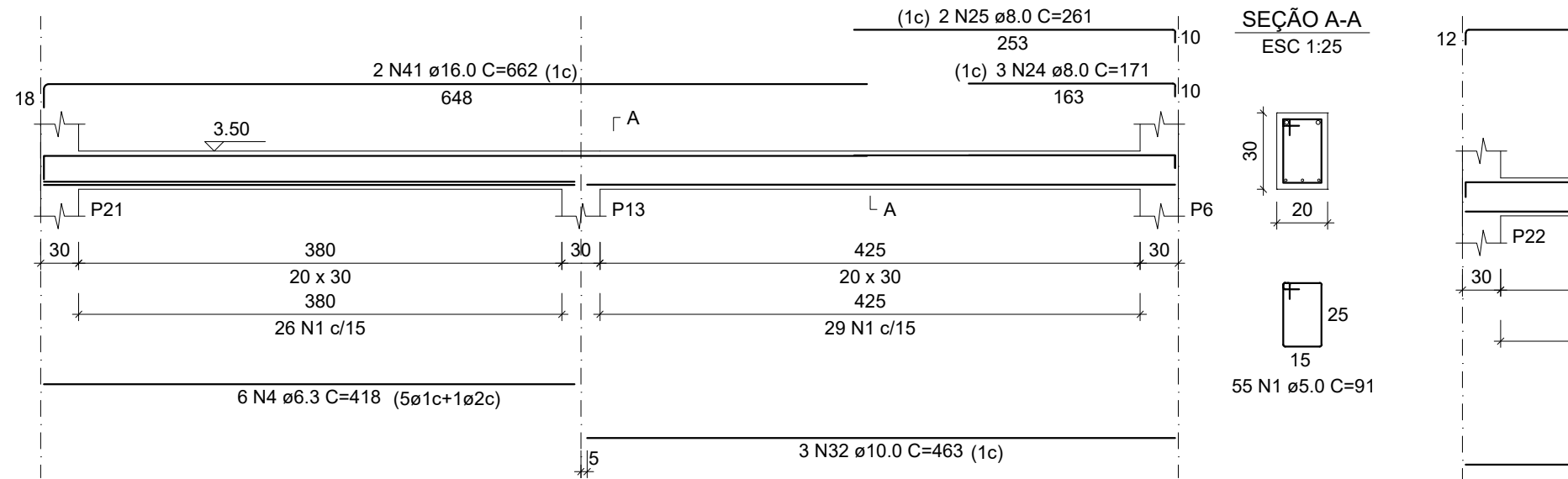
V6

ESC 1:50



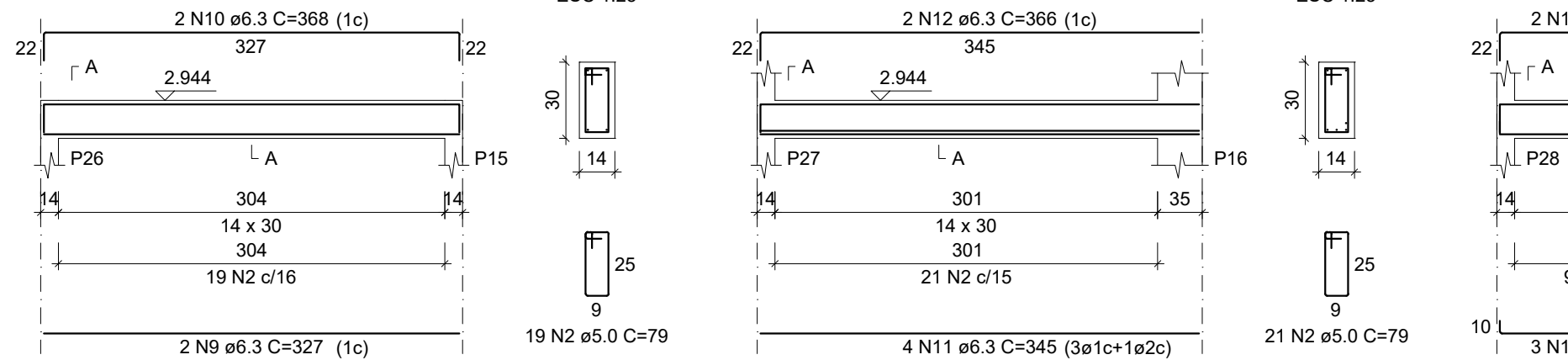
V9

ESC 1:50



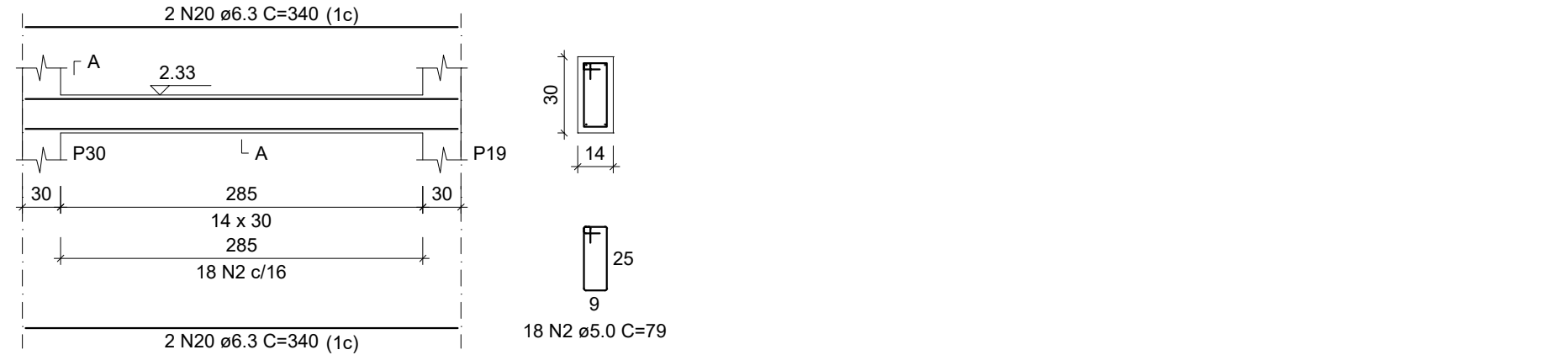
V14

ESC 1:50



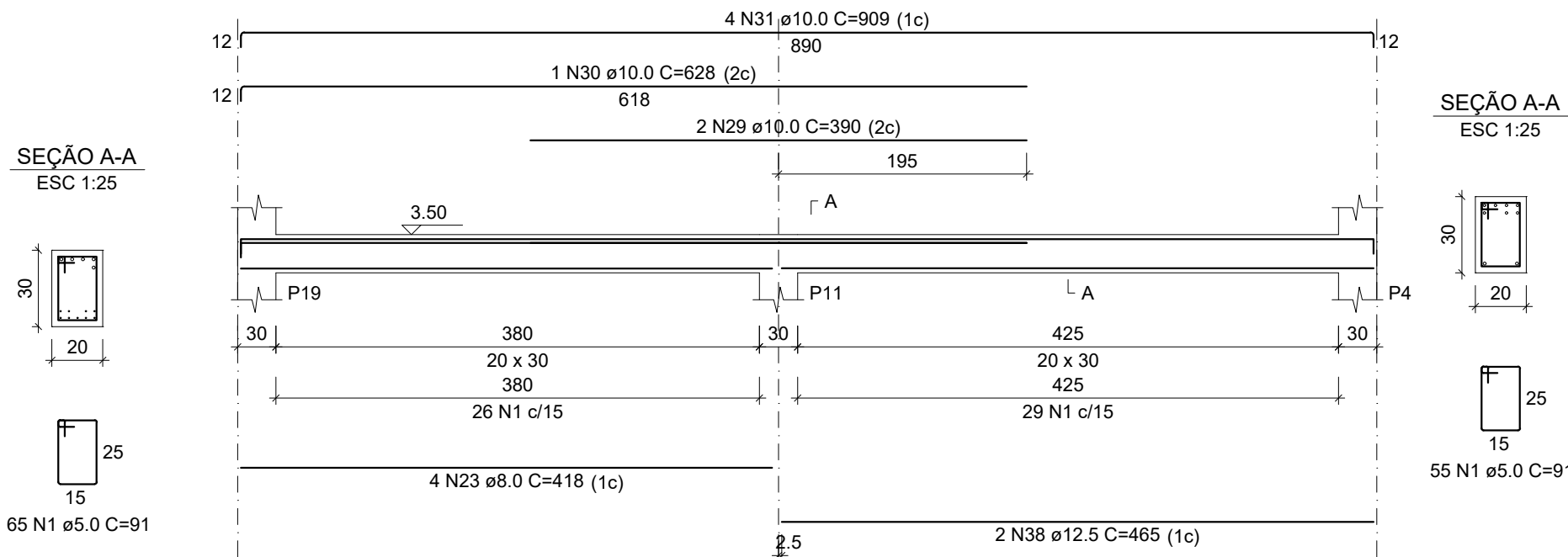
V21

ESC 1:50



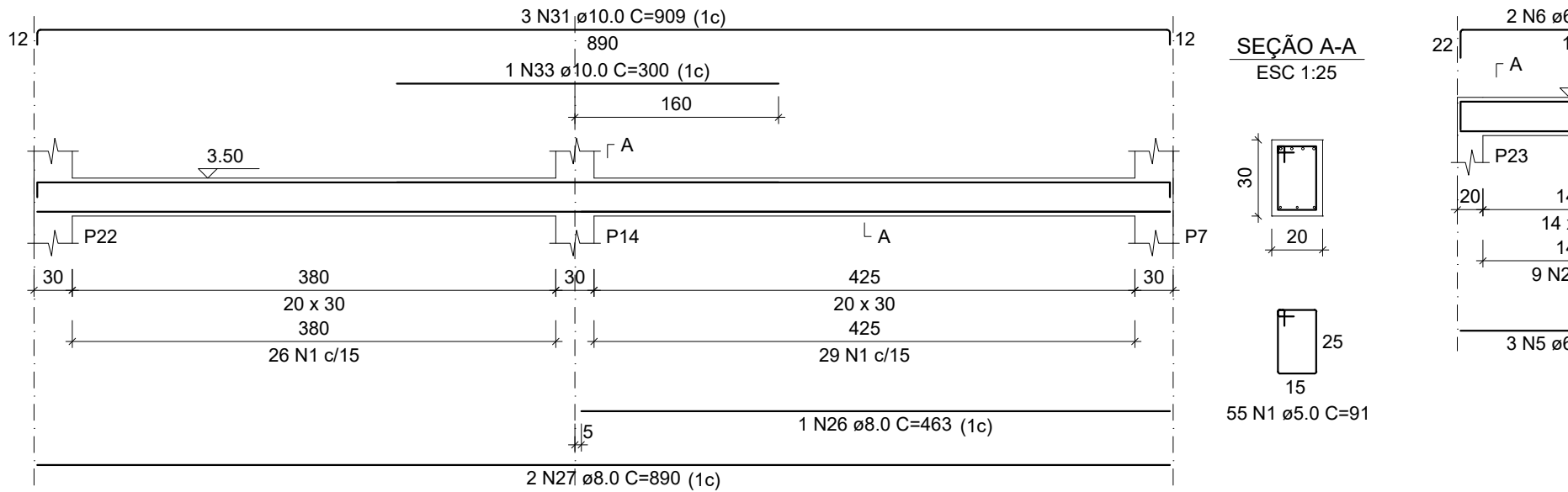
V7

ESC 1:50



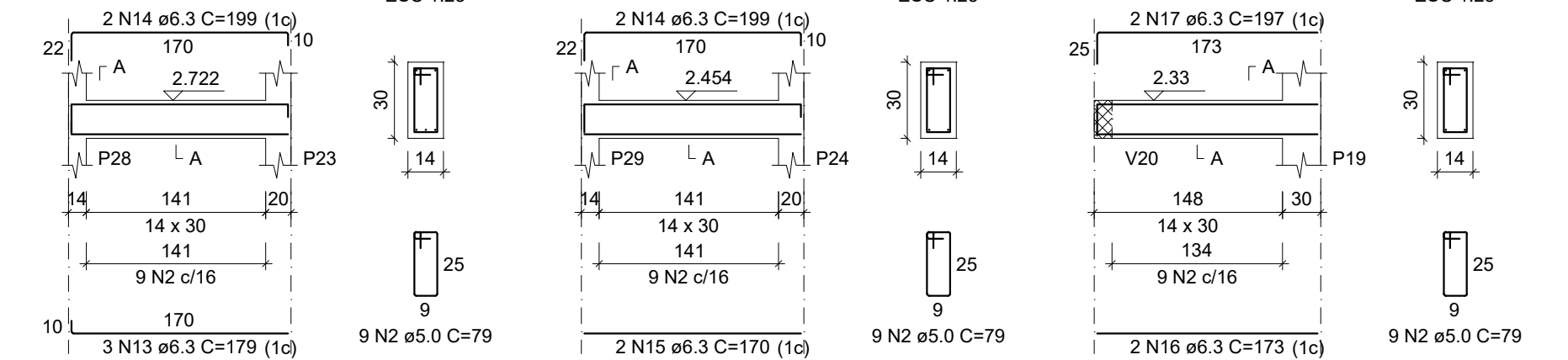
V10

ESC 1:50



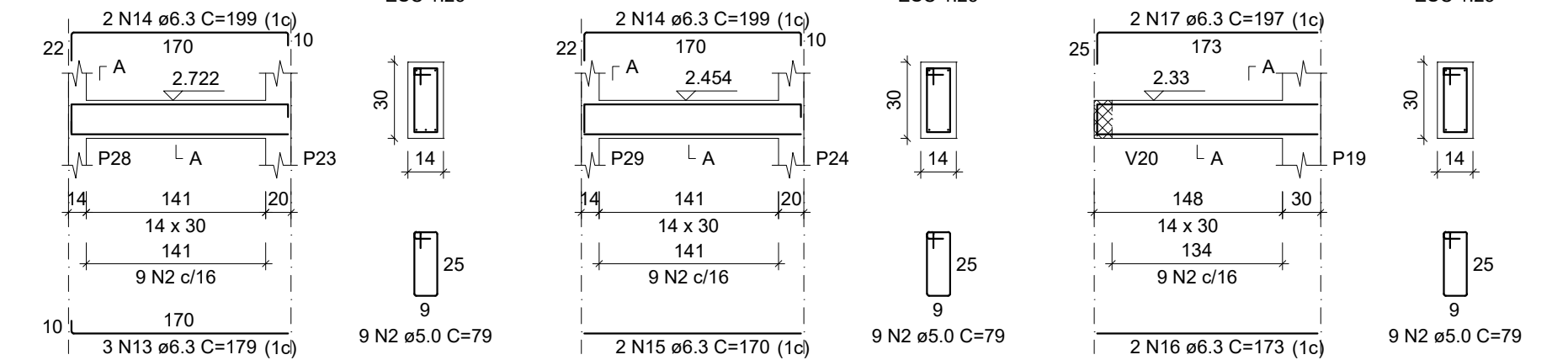
V16

ESC 1:50



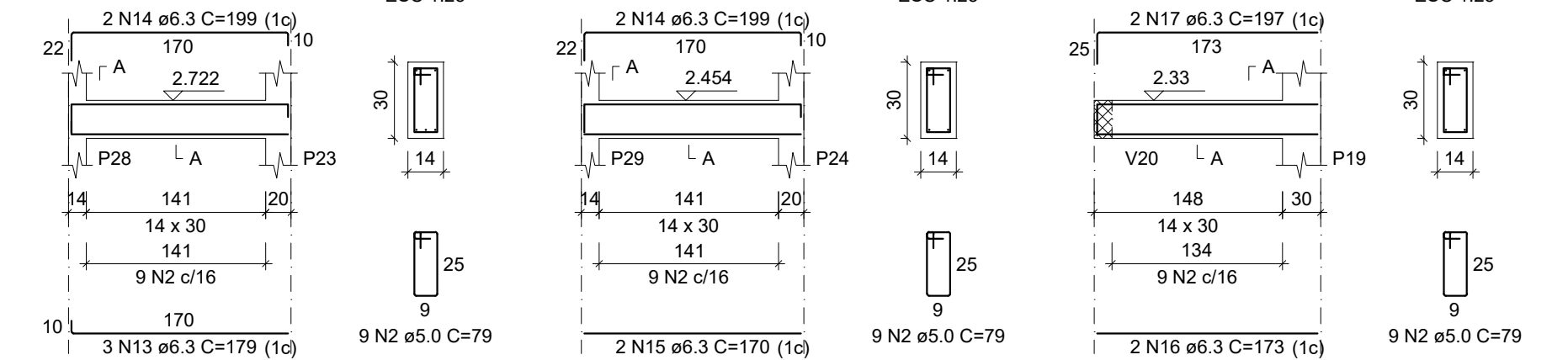
V17

ESC 1:50



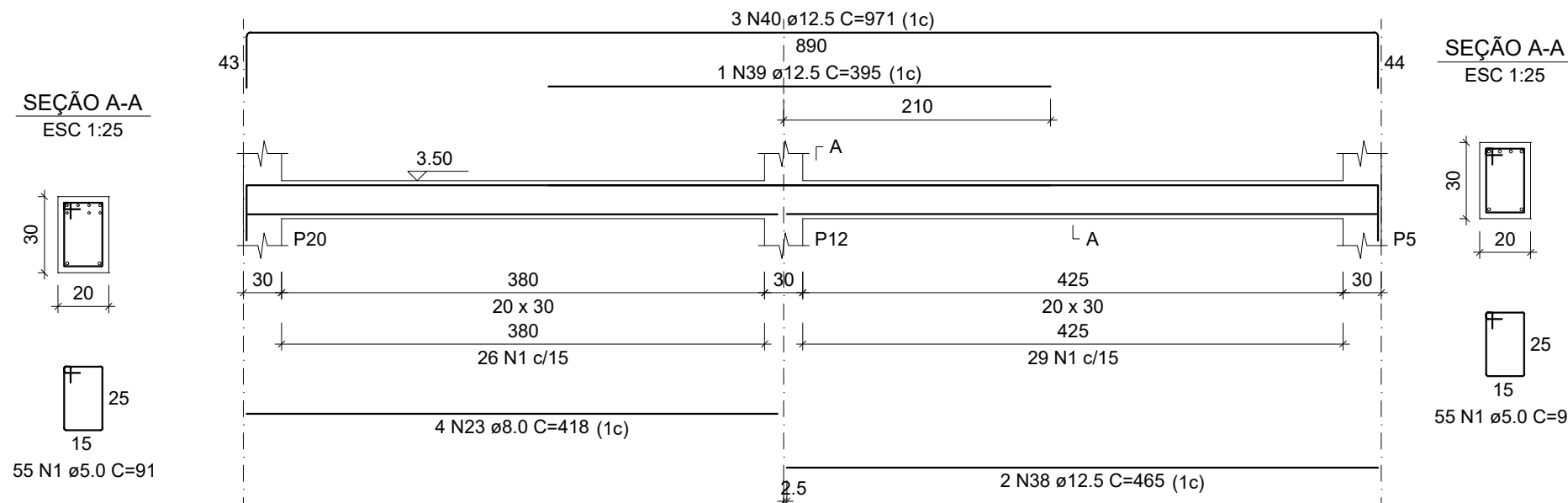
V18

ESC 1:50



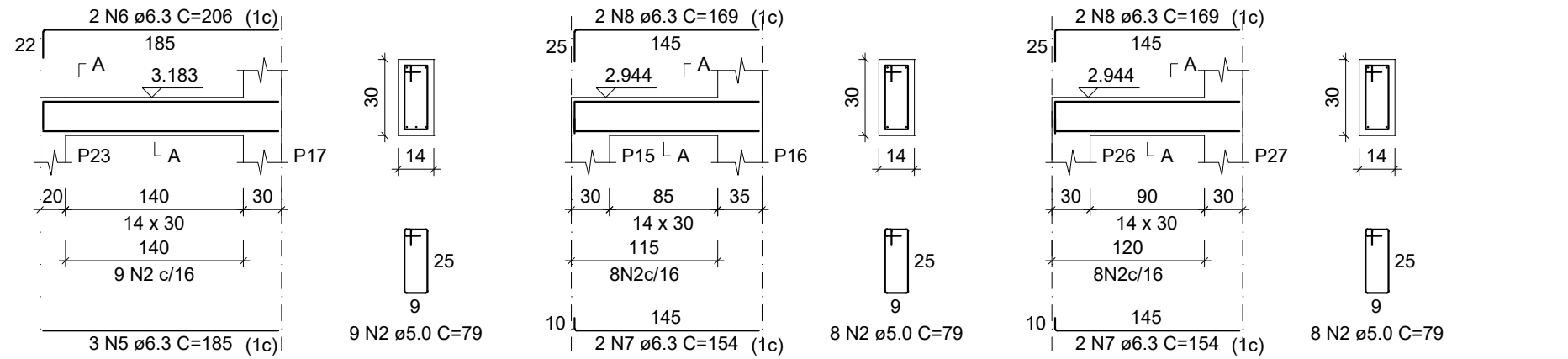
V8

ESC 1:50



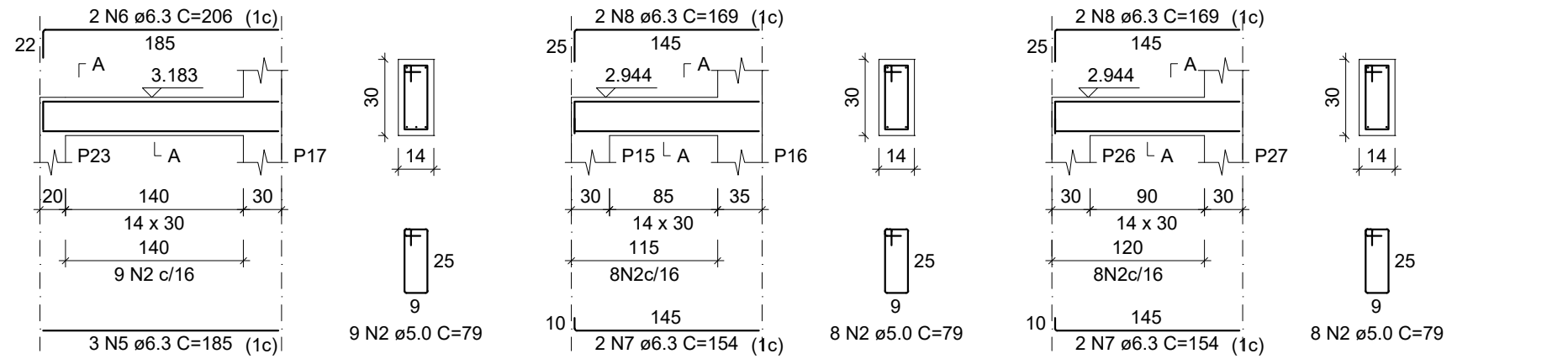
V11

ESC 1:50



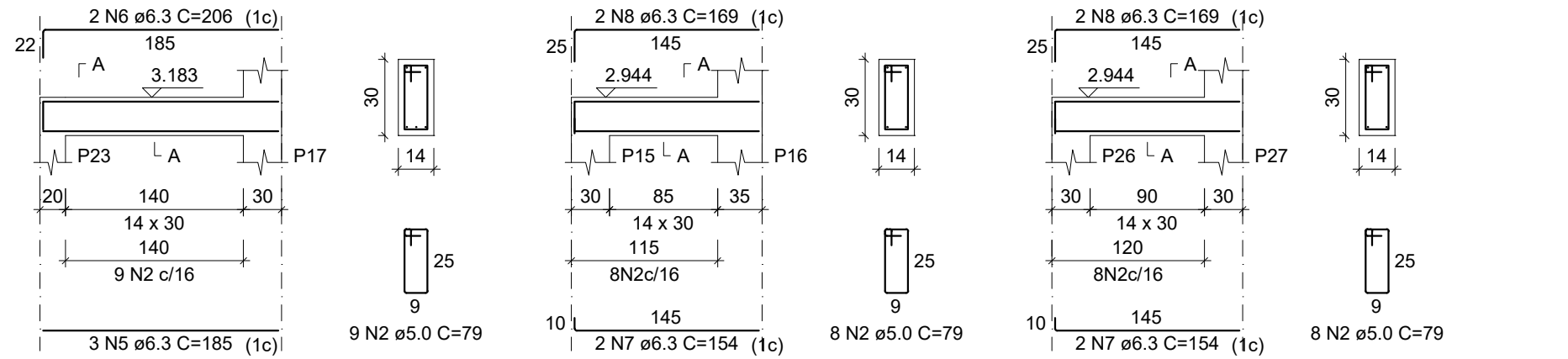
V12

ESC 1:50



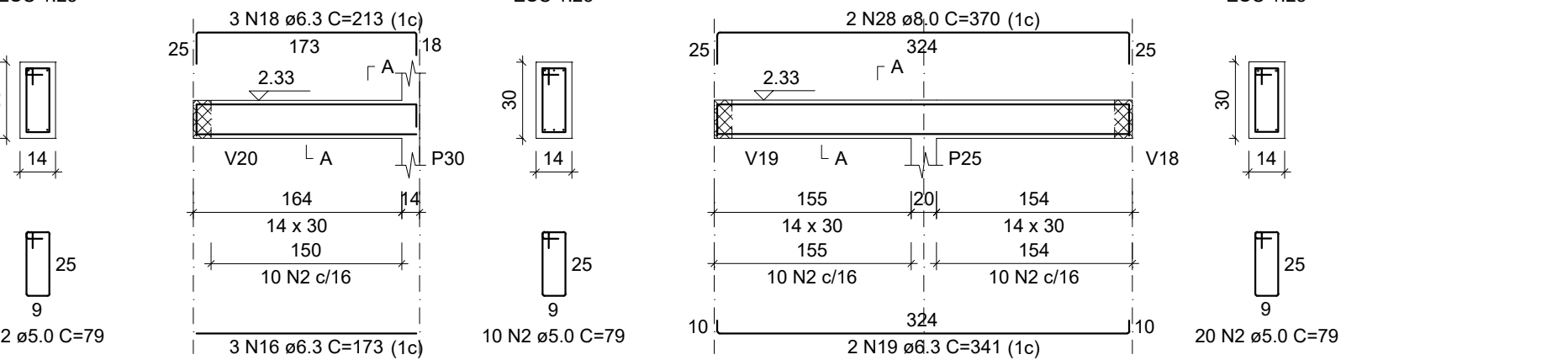
V13

ESC 1:50



V20

ESC 1:50



DETALHAMENTO VIGAS TERREO

escala 1:50

RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	285	91	25935
CA50	2	5.0	140	79	11060
	3	6.3	9	463	4167
	4	6.3	6	418	2508
	5	6.3	3	185	555
	6	6.3	2	206	412
	7	6.3	4	154	616
	8	6.3	4	169	676
	9	6.3	2	327	654
	10	6.3	2	368	736
	11	6.3	4	345	1380
	12	6.3	2	366	732
	13	6.3	3	179	537
	14	6.3	4	199	796
	15	6.3	2	170	340
	16	6.3	5	173	865
	17	6.3	2	197	394
	18	6.3	3	213	639
	19	6.3	2	341	682
	20	6.3	4	340	1360
	21	8.0	2	400	800
	22	8.0	2	586	1172
	23	8.0	8	418	3344
	24	8.0	3	171	513
	25	8.0	2	261	522
	26	8.0	1	463	463
	27	8.0	2	890	1780
	28	8.0	2	370	740
	29	10.0	2	390	780
	30	10.0	1	628	628
	31	10.0	7	909	6363
	32	10.0	3	463	1389
	33	10.0	1	300	300
	34	12.5	1	410	410
	35	12.5	1	689	689
	36	12.5	1	1034	1034
	37	12.5	2	1074	2148
	38	12.5	4	465	1860
	39	12.5	1	395	395
	40	12.5	3	971	2913
	41	16.0	2	662	1324

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	180.5	48.8
	8.0	93.3	40.5
	10.0	94.6	64.2
	12.5	94.5	100.1
	16.0	13.2	23
CA60	5.0	369.9	62.7

PESO TOTAL (kg)

CA50 276.4

CA60 62.7

Volume de concreto (C-25) = 3.85 m³

Área de forma = 55.96 m²

Aprovações:

PROJETO REFORÇO ESTRUTURAL

Local: PRAÇA DOUTOR CÉSAR LEITE, 500 - BAIRRO CENTRO - MANHUACU- MG

Proprietário: POLICIA MILITAR DE MINAS GERAIS - COLEGIO TIRADENTES - UNIDADE MANHUACU

Responsável Técnico: CNPJ: 16.695.025/0001-97

VICTOR DUTRA OLIVEIRA - CREA: 128.201/D - MG

Desenho:

Conteúdo:



Pórtico Engenharia

DETALHAMENTO VIGAS TERREO

Áreas :	Data:	Escala:	Folha:
VER ARQUITETURA	16/08/2021	INDICADAS	05/10