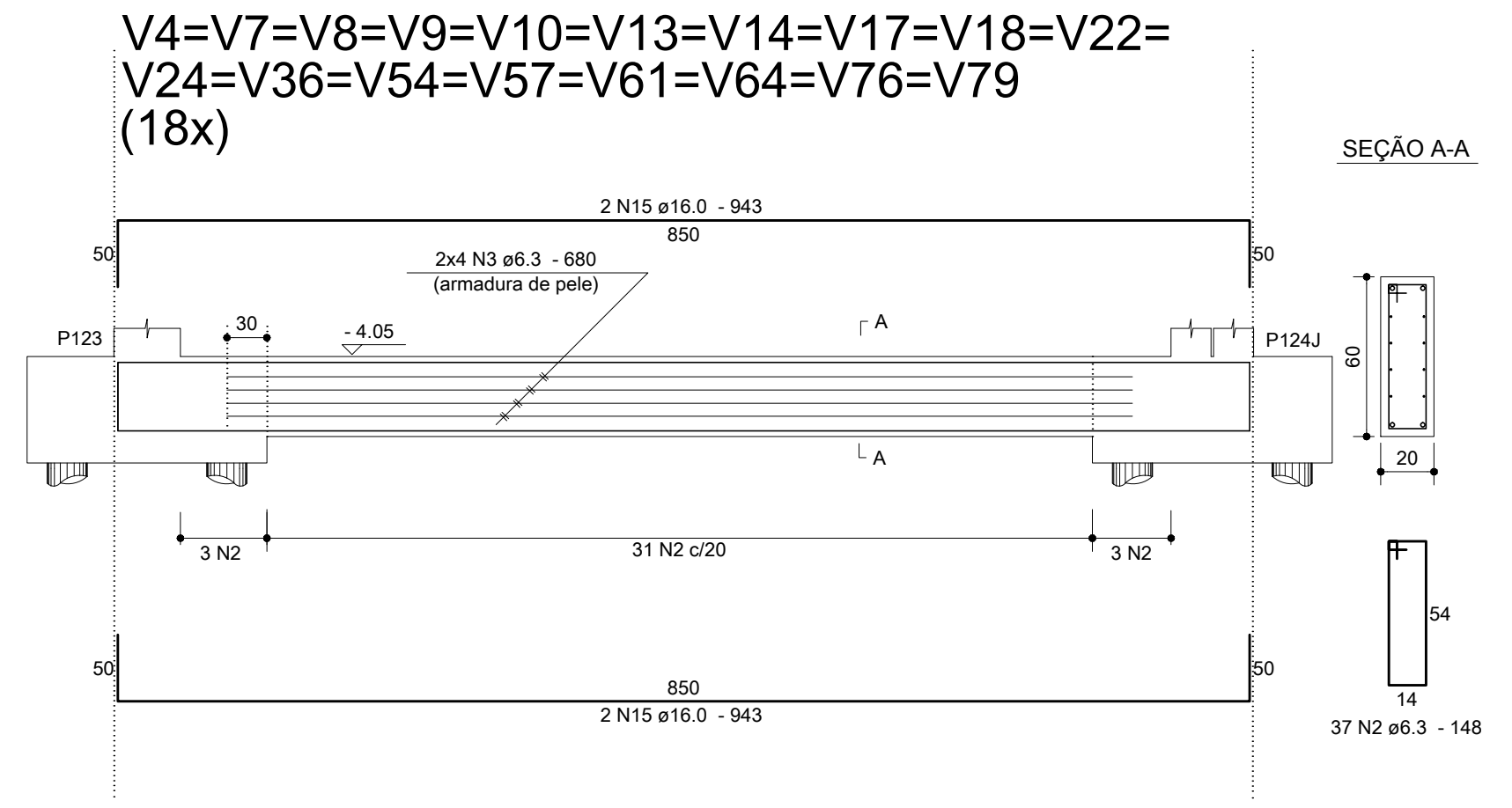
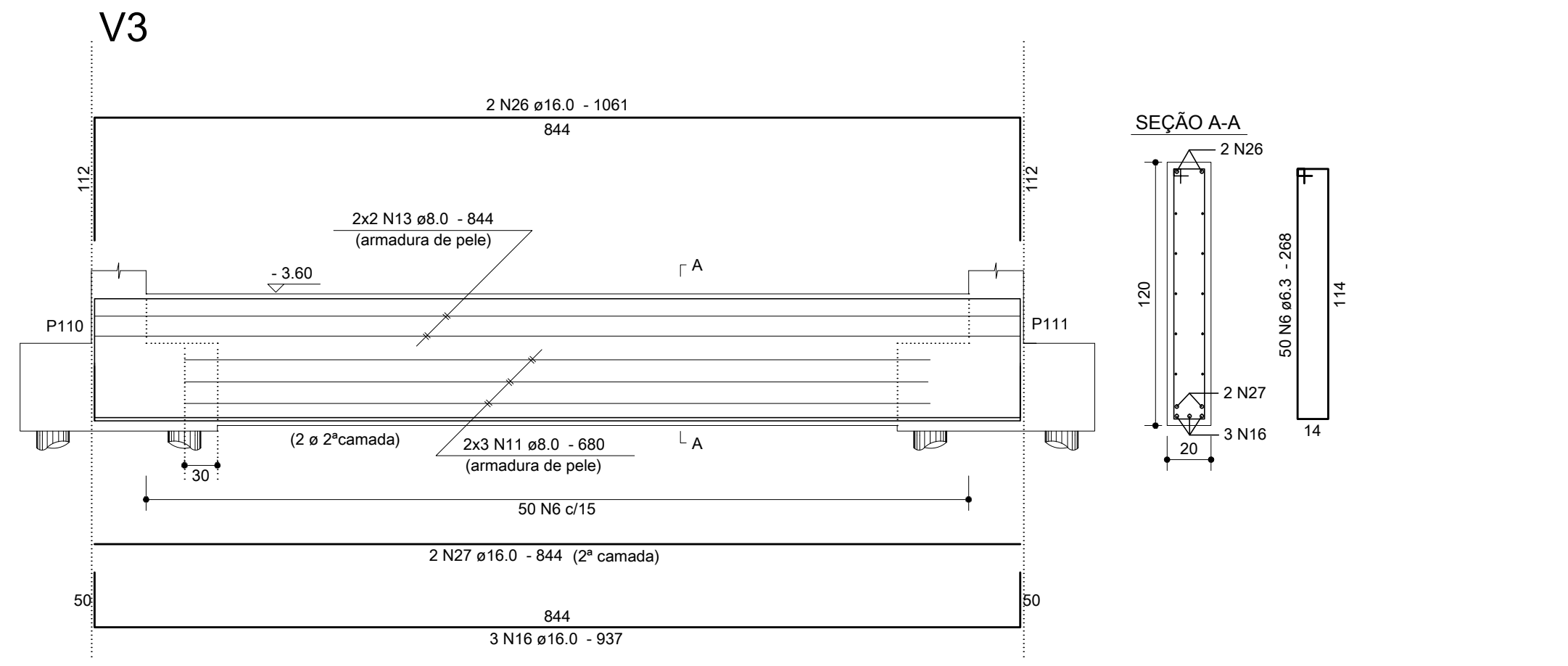
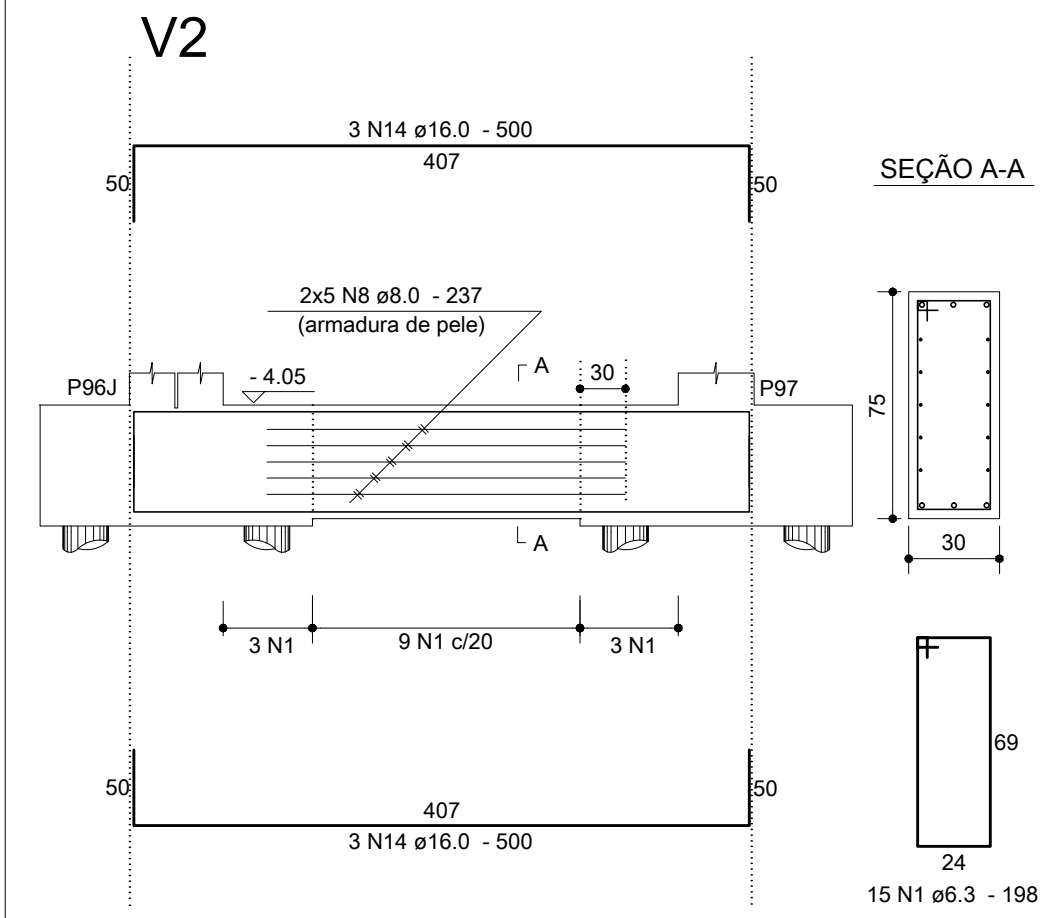
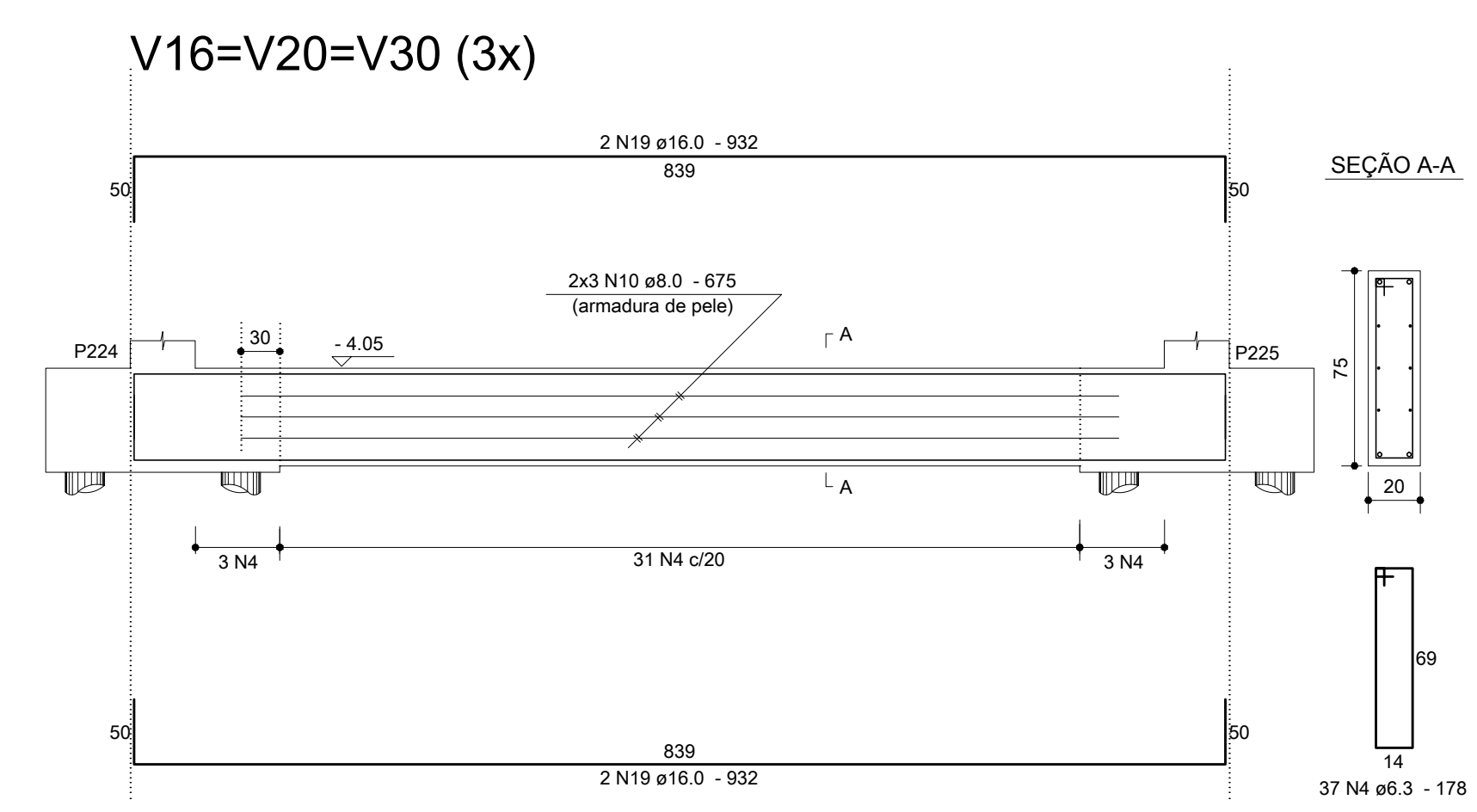
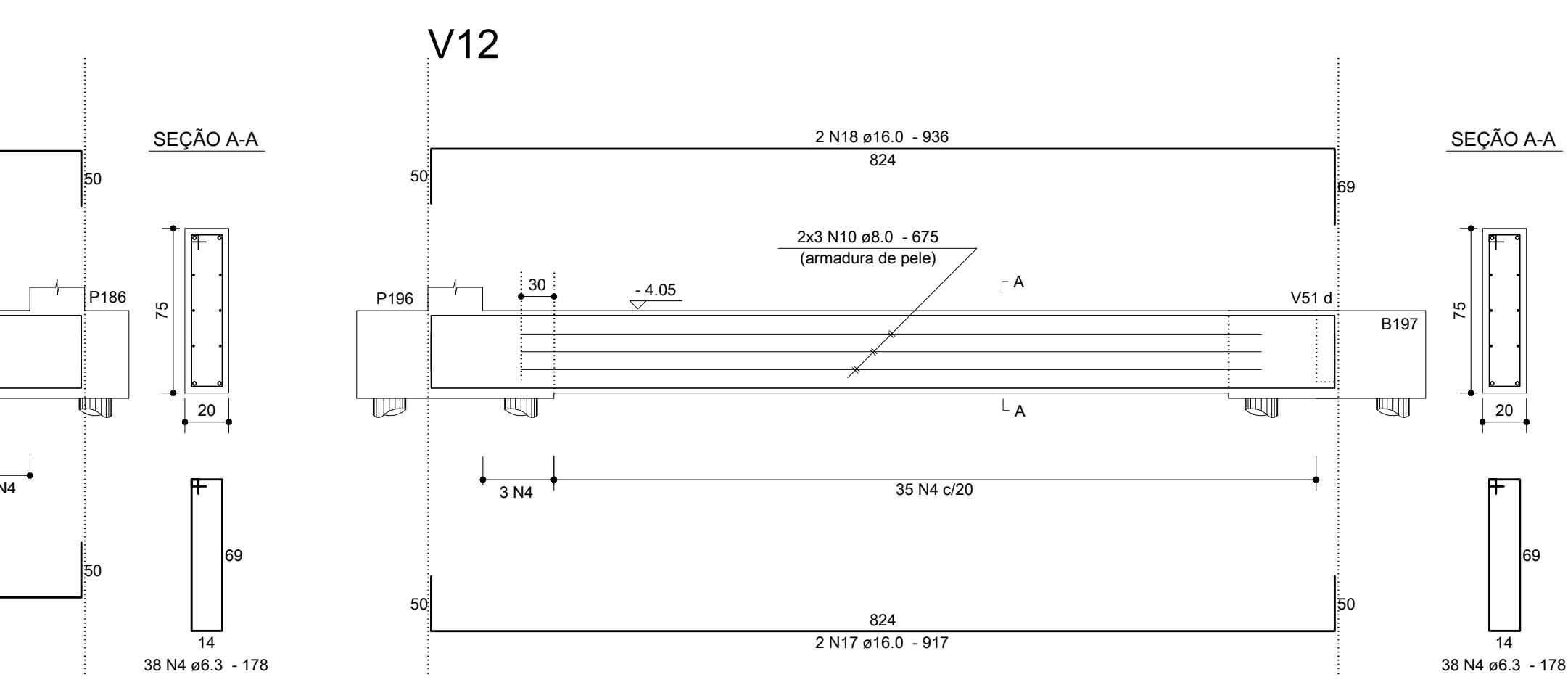
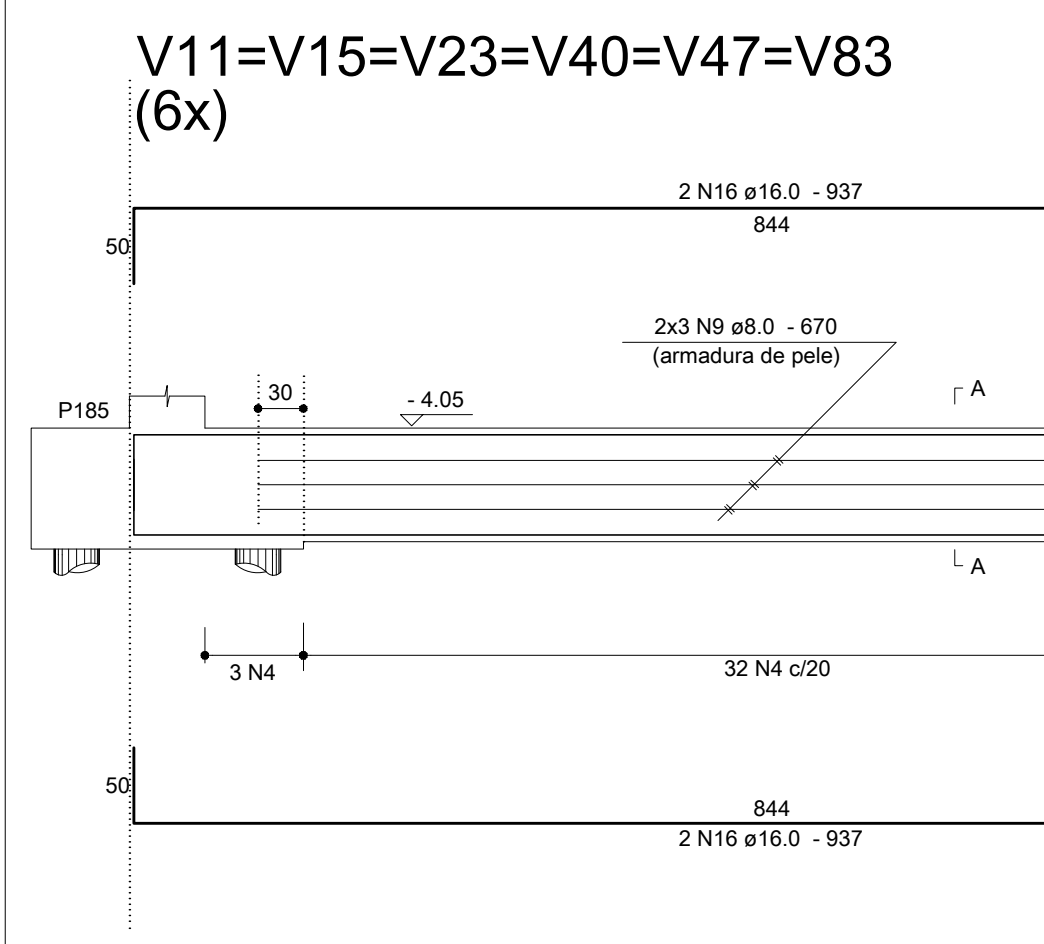




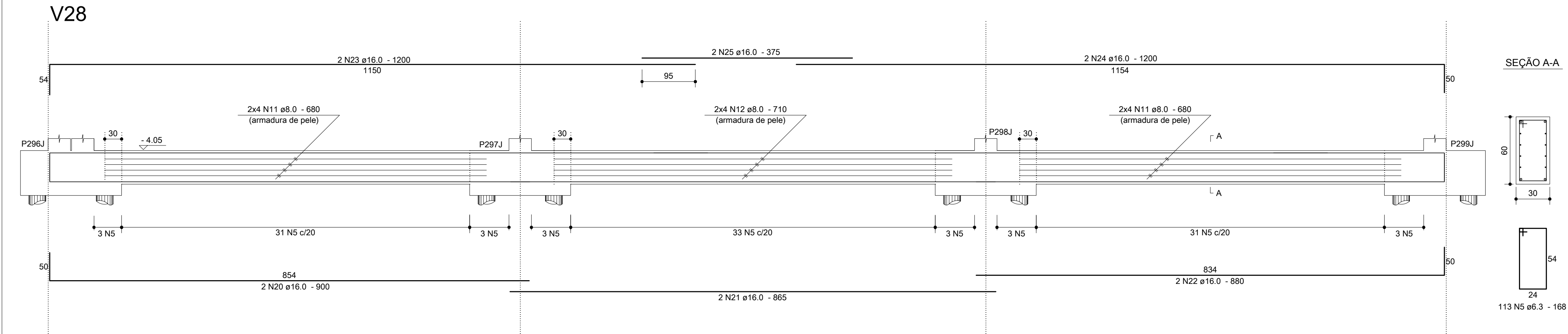
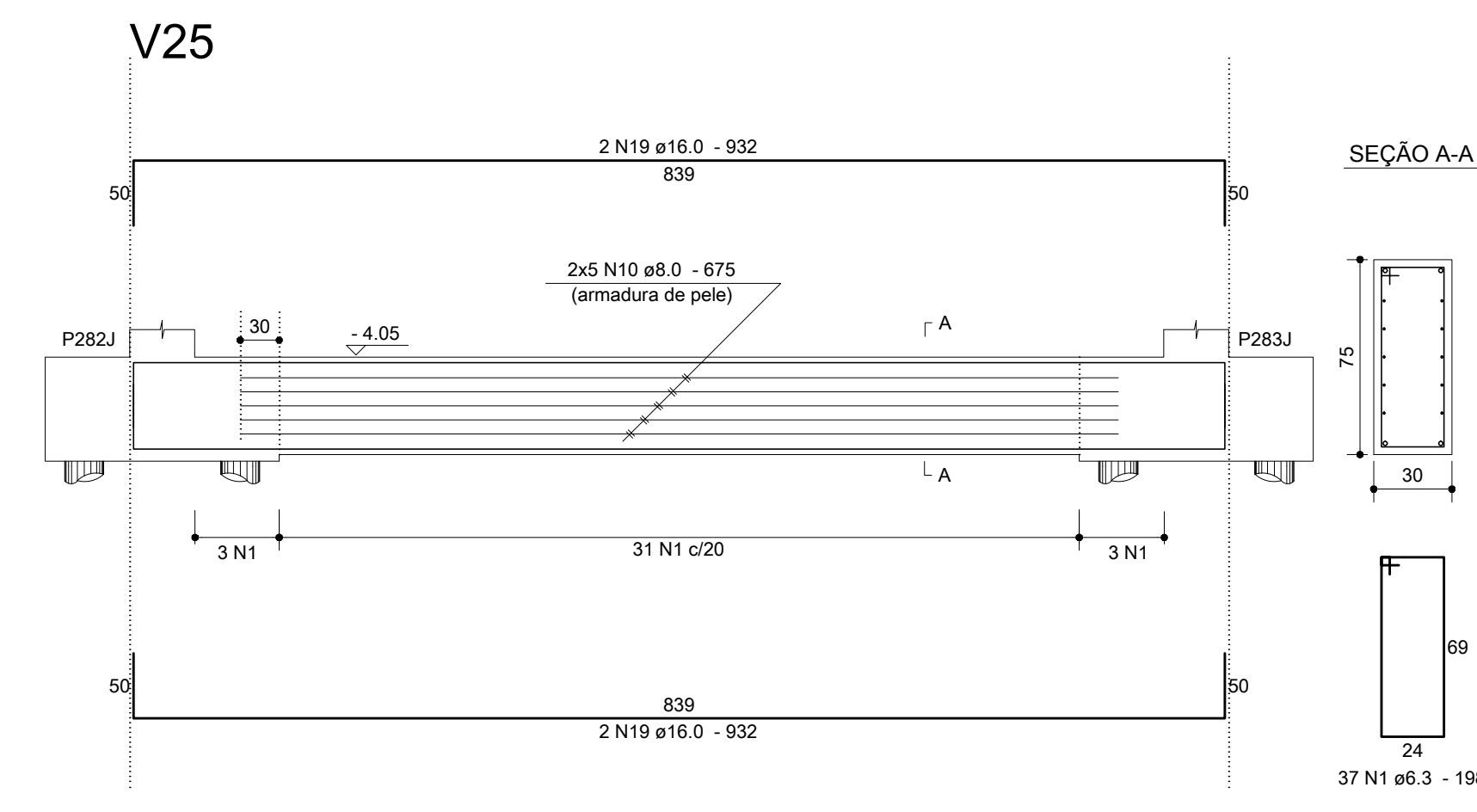
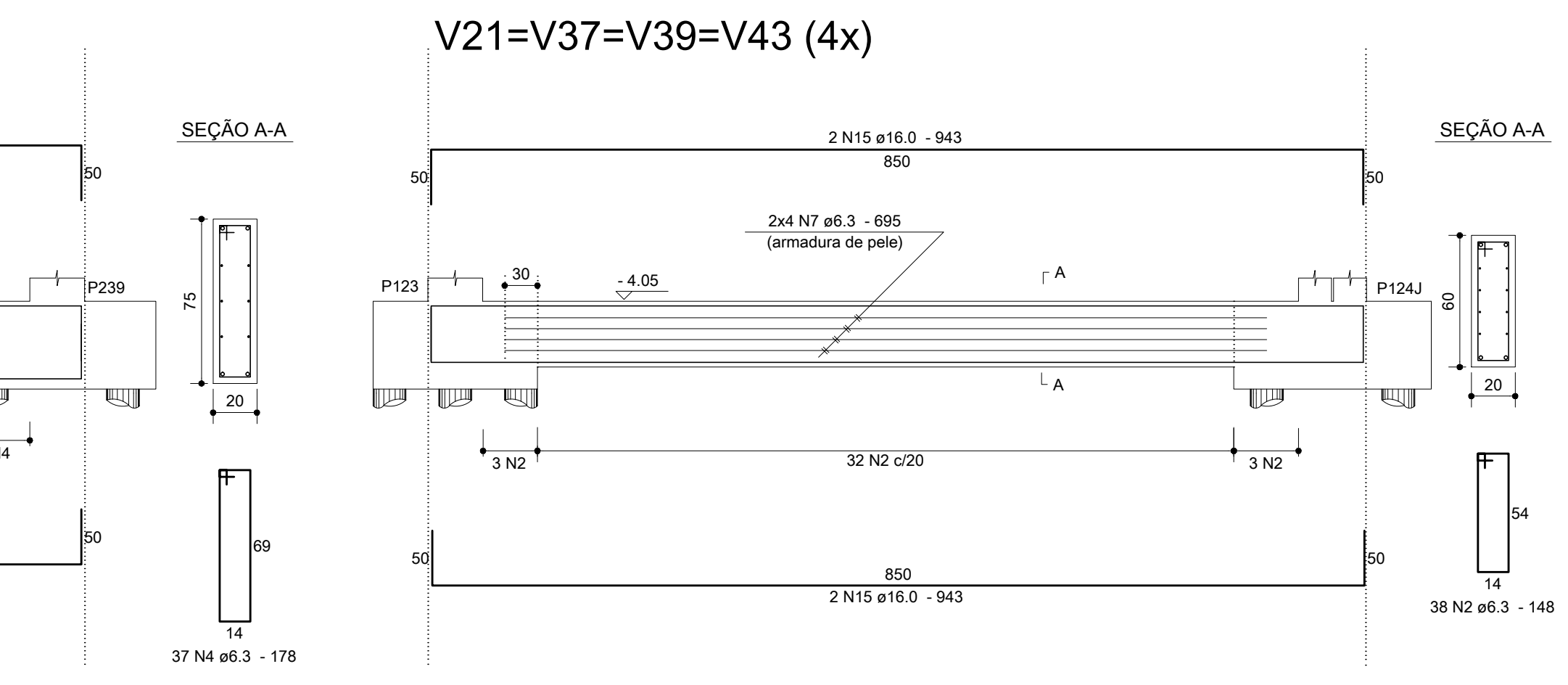
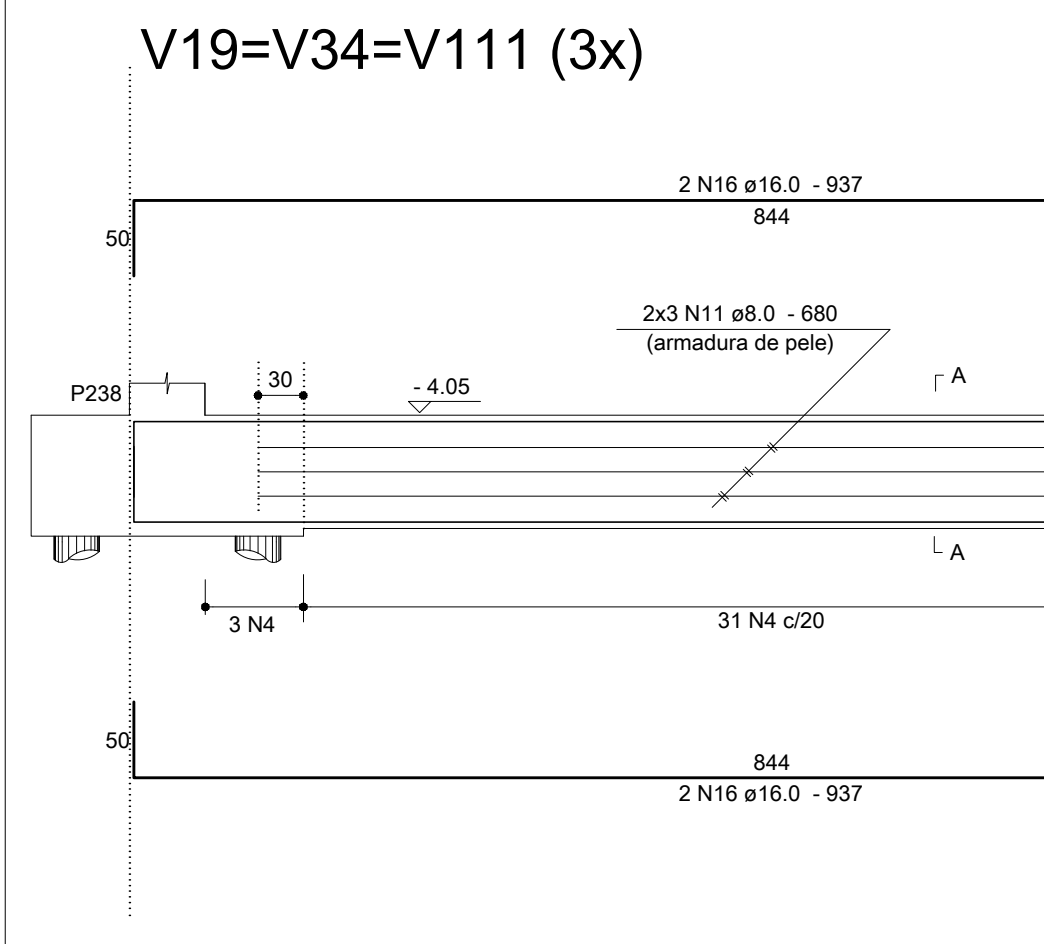
Relação do Aço

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	52	198	10296
	2	6.3	818	148	121064
	3	6.3	144	680	97920
	4	6.3	488	178	86864
	5	6.3	113	168	18984
	6	6.3	50	268	13400
	7	6.3	32	695	22240
	8	8.0	10	237	2370
	9	8.0	36	670	24120
	10	8.0	34	675	22950
	11	8.0	40	680	27200
	12	8.0	8	710	5680
	13	8.0	4	844	3376
	14	16.0	6	500	3000
	15	16.0	88	943	82984
	16	16.0	39	937	36543
	17	16.0	2	917	1834
	18	16.0	2	936	1872
	19	16.0	16	932	14912
	20	16.0	2	900	1800
	21	16.0	2	865	1730
	22	16.0	2	880	1760
	23	16.0	2	1200	2400
	24	16.0	2	1200	2400
	25	16.0	2	375	750
	26	16.0	2	1061	2122
	27	16.0	2	844	1688

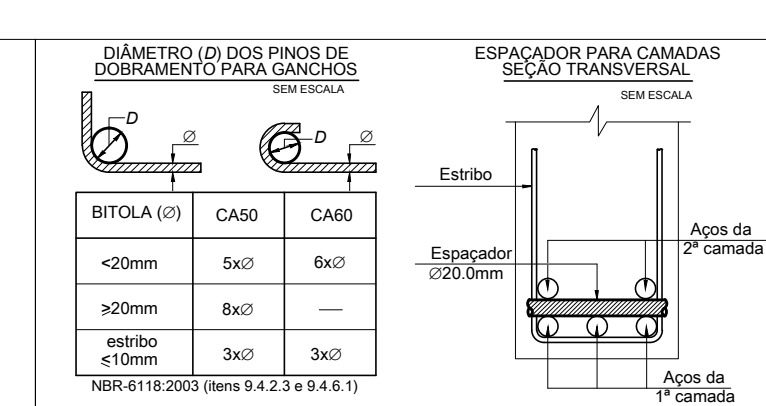


Resumo dos Materiais

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	3707.7	907.3
	8.0	857	338.1
	16.0	1558	2459
PESO TOTAL (kg)		Vol. concreto = 48.38 m³	
CA50	3704.4	Área formas = 532.05 m²	



Anotações:



Notas:

01 NBR6118:2007 - Classe de Agressividade Ambiental = II.
02 NBR6118:2007 - Concreto com fck=25MPa - Aço CA-50.
03 NBR6118:2007 - Cobrimento para vigas, em todas as faces: 3,0cm.
04 Unidades: diâmetro do aço em milímetro; espaçamento e comprimento em centímetro;

00	19/05/12	Emissão inicial.	Dionísio
REVISÃO	DATA	MODIFICAÇÕES	RESP.

Proger Engenharia Ltda

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CLIENTE: PÁTIOMIX LINHARES SHOPPING CENTER SPE S.A.

OBRA: SHOPPING PÁTIOMIX LINHARES
Linhões - ES

PROJETO ESTRUTURAL
PISO DO SUBSOLO - VIGAS - 01/08

ARMAÇÕES

DESENHO: 407_arm02_01_0.dwg

ESCALA: seções: 1:25
vigas: 1:50

DATA - REVISÃO: 19/05/12 - R0

PROJETO: E407

ARM02-01