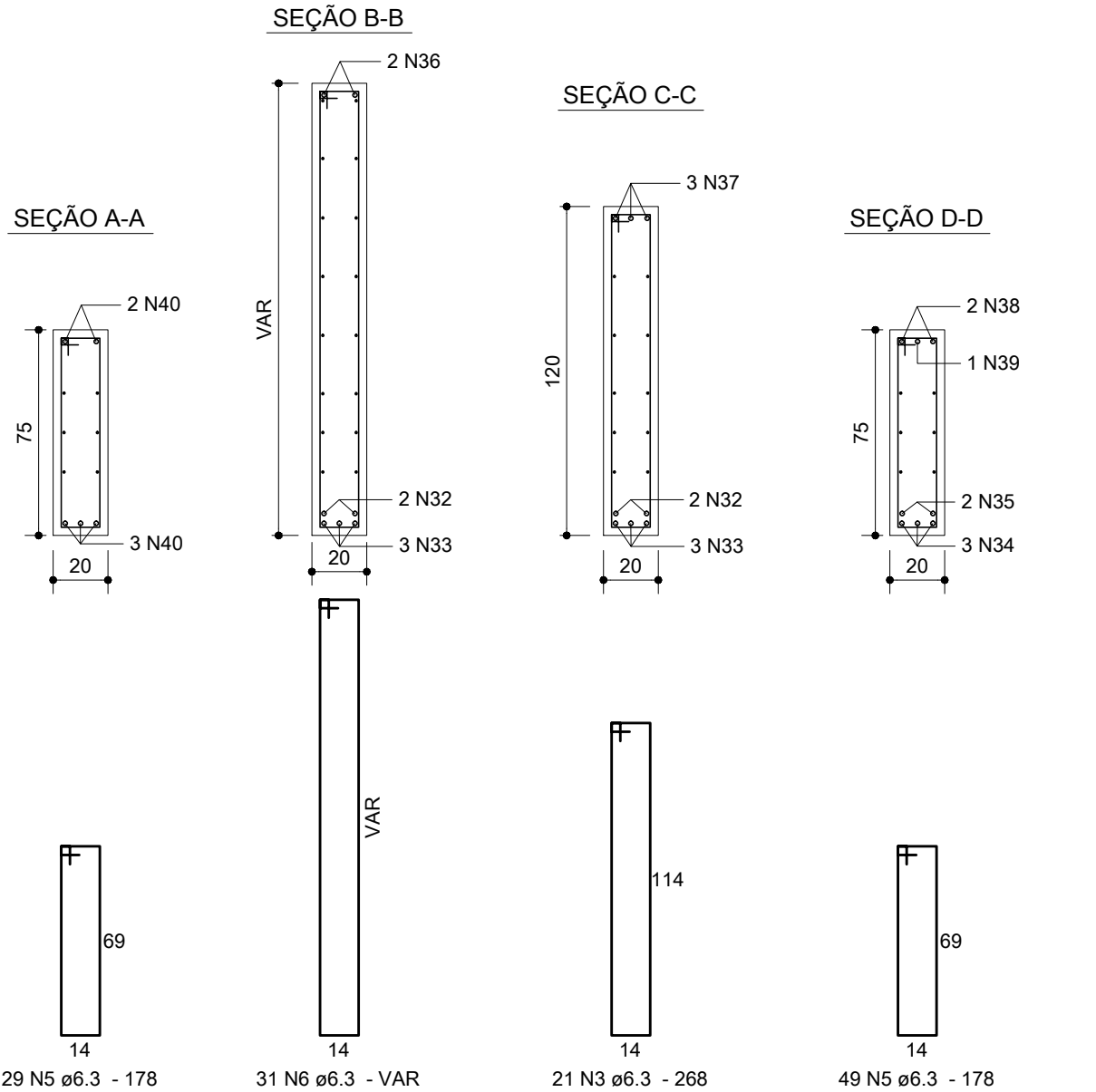
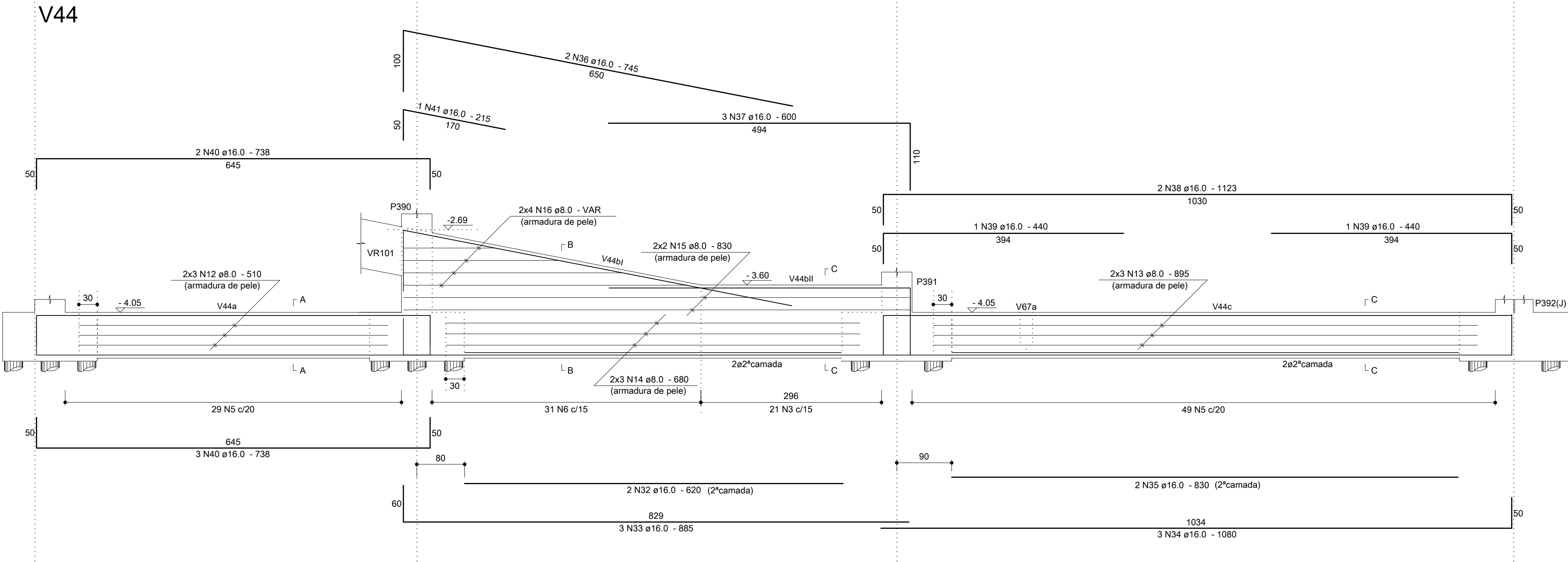


V44

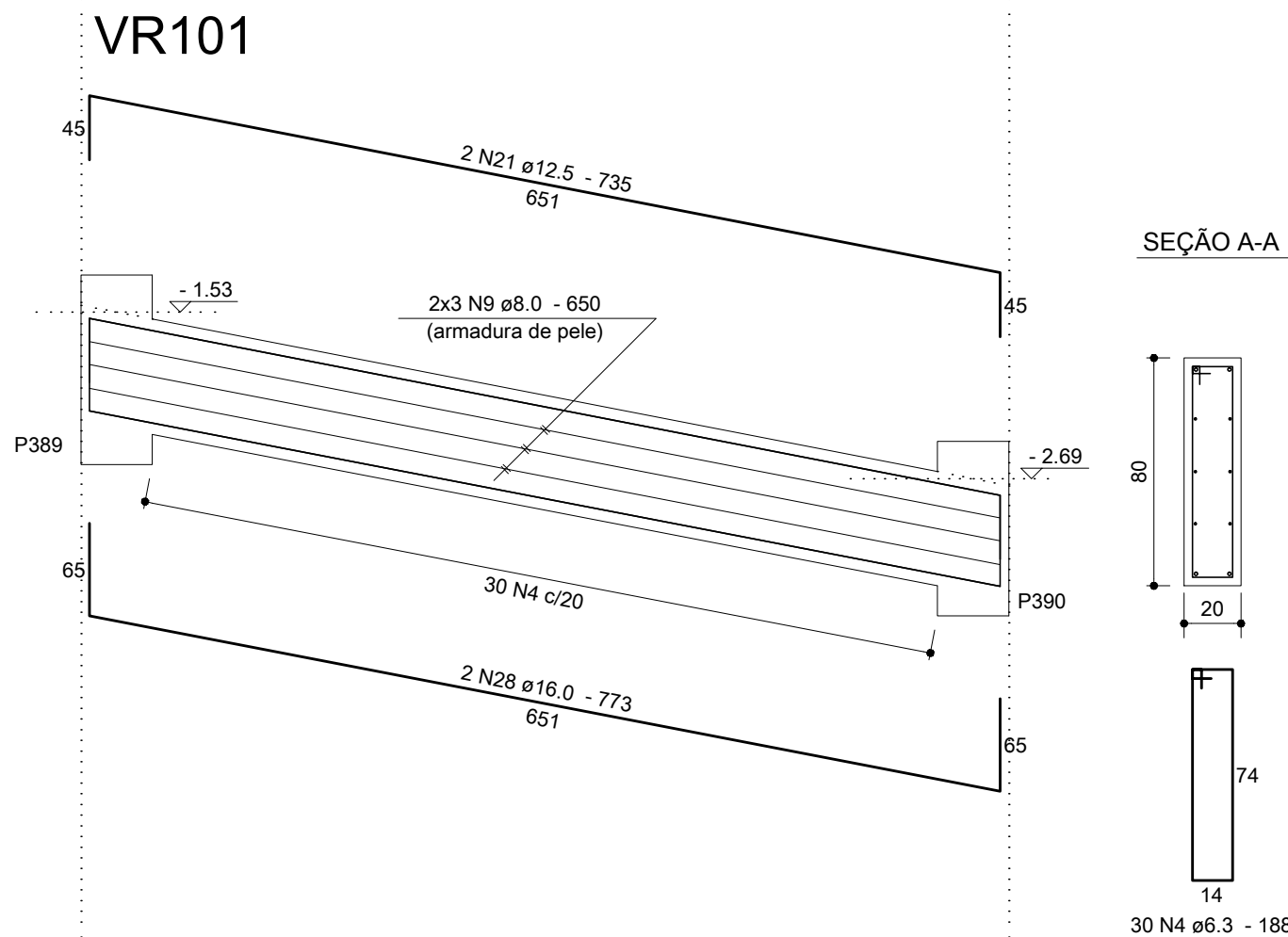


Relação do aço					
V44, V63, V66, VR101, VR102, VR103					
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	60	218	13080
	2	6.3	52	300	15600
	3	6.3	63	268	16884
	4	6.3	30	198	5640
	5	6.3	78	178	13684
	6	6.3	31	VAR	VAR
	7	8.0	16	820	13120
	8	8.0	6	660	3960
	9	8.0	6	650	3900
	10	8.0	52	378	19656
	11	8.0	16	835	13380
	12	8.0	6	510	3060
	13	8.0	6	895	5370
	14	8.0	6	680	4080
	15	8.0	4	830	3320
	16	8.0	8	VAR	VAR
	17	10.0	8	820	6560
	18	12.5	5	917	4585
	19	12.5	1	190	190
	20	12.5	1	200	200
	21	12.5	2	735	1470
	22	16.0	2	690	1380
	23	16.0	3	970	2910
	24	16.0	2	936	1872
	25	16.0	2	215	430
	26	16.0	1	597	597
	27	16.0	3	1016	3048
	28	16.0	2	773	1546
	29	16.0	3	1032	3096
	30	16.0	2	260	520
	31	16.0	2	952	1904
	32	16.0	2	620	1240
	33	16.0	3	885	2655
	34	16.0	3	1080	3240
	35	16.0	2	830	1660
	36	16.0	2	745	1490
	37	16.0	3	600	1800
	38	16.0	2	1123	2246
	39	16.0	2	440	880
	40	16.0	5	738	3690
	41	16.0	1	215	215
	42	20.0	3	1011	3033
	43	20.0	2	911	1822

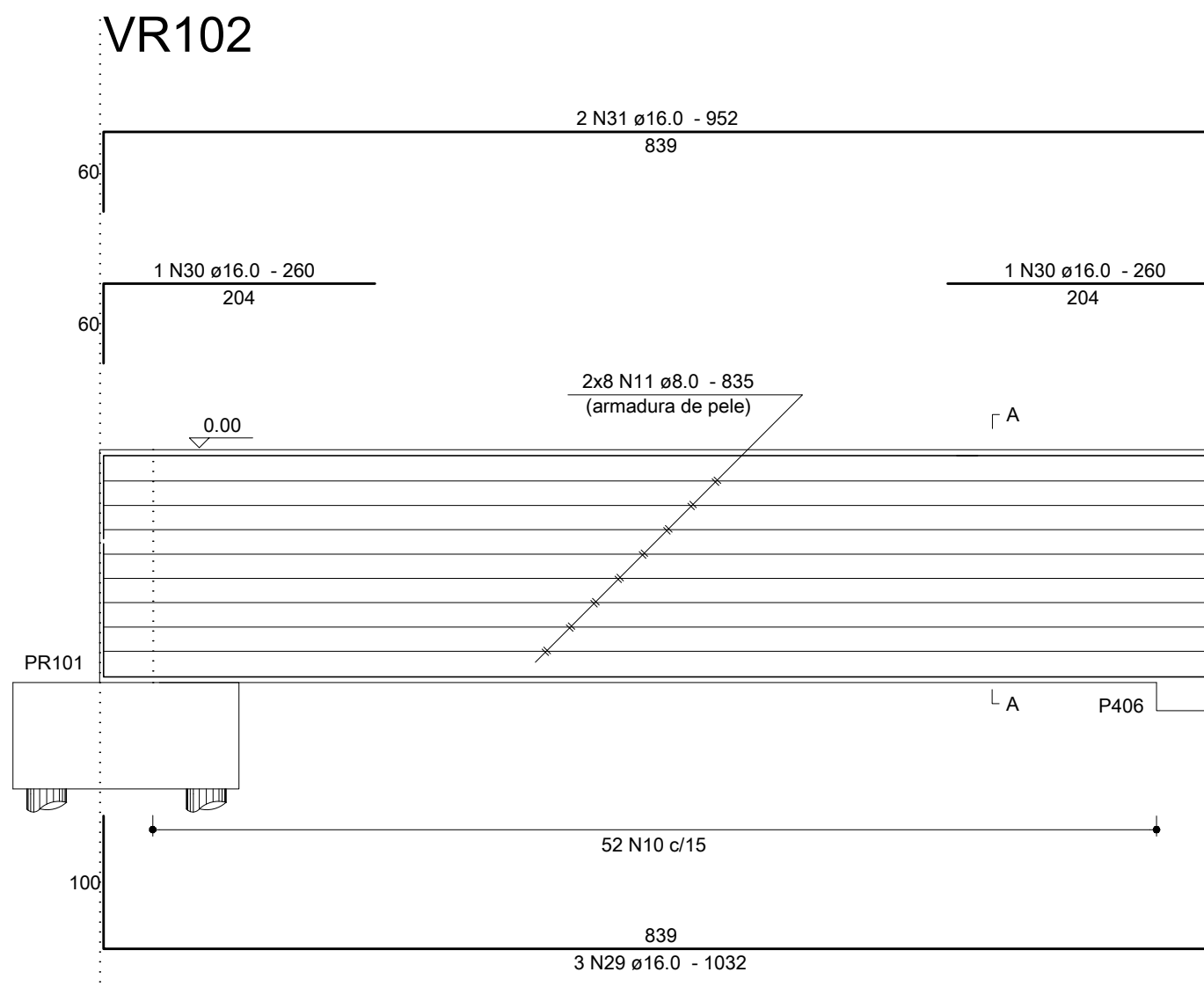
Resumo dos Materiais

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	761.9	186.4
	8.0	727.1	286.9
	10.0	65.6	40.4
	12.5	64.5	62.1
	16.0	364.2	574.8
	20.0	48.6	119.7
PESO TOTAL (kg)			Vol. concreto = 14.86 m³
CA50			Área formas = 154.49 m²

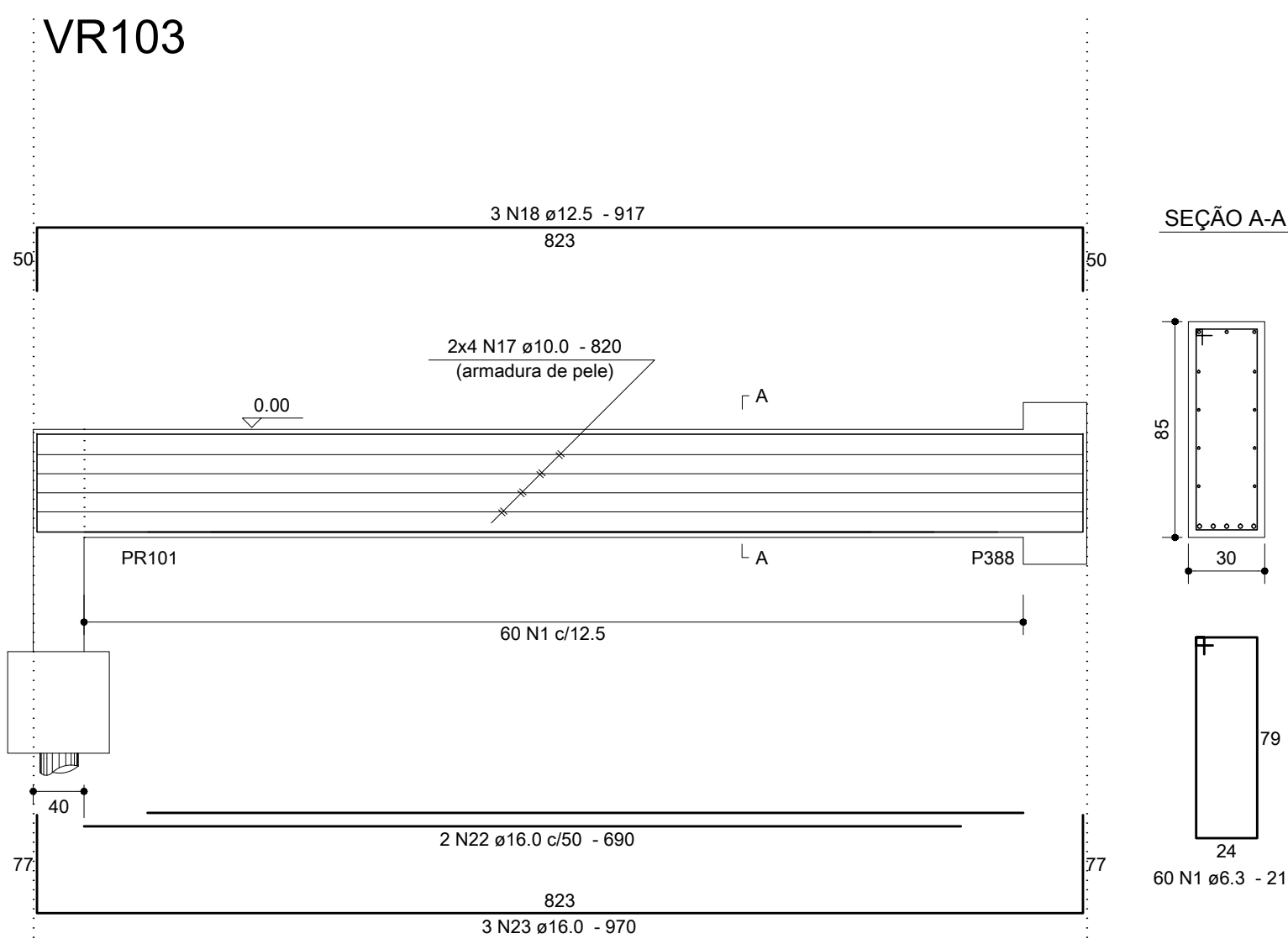
VR101



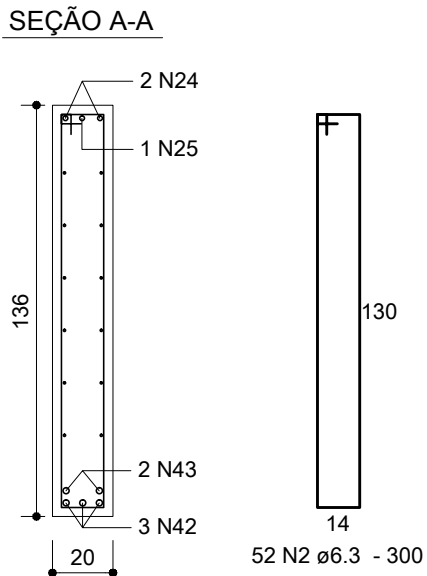
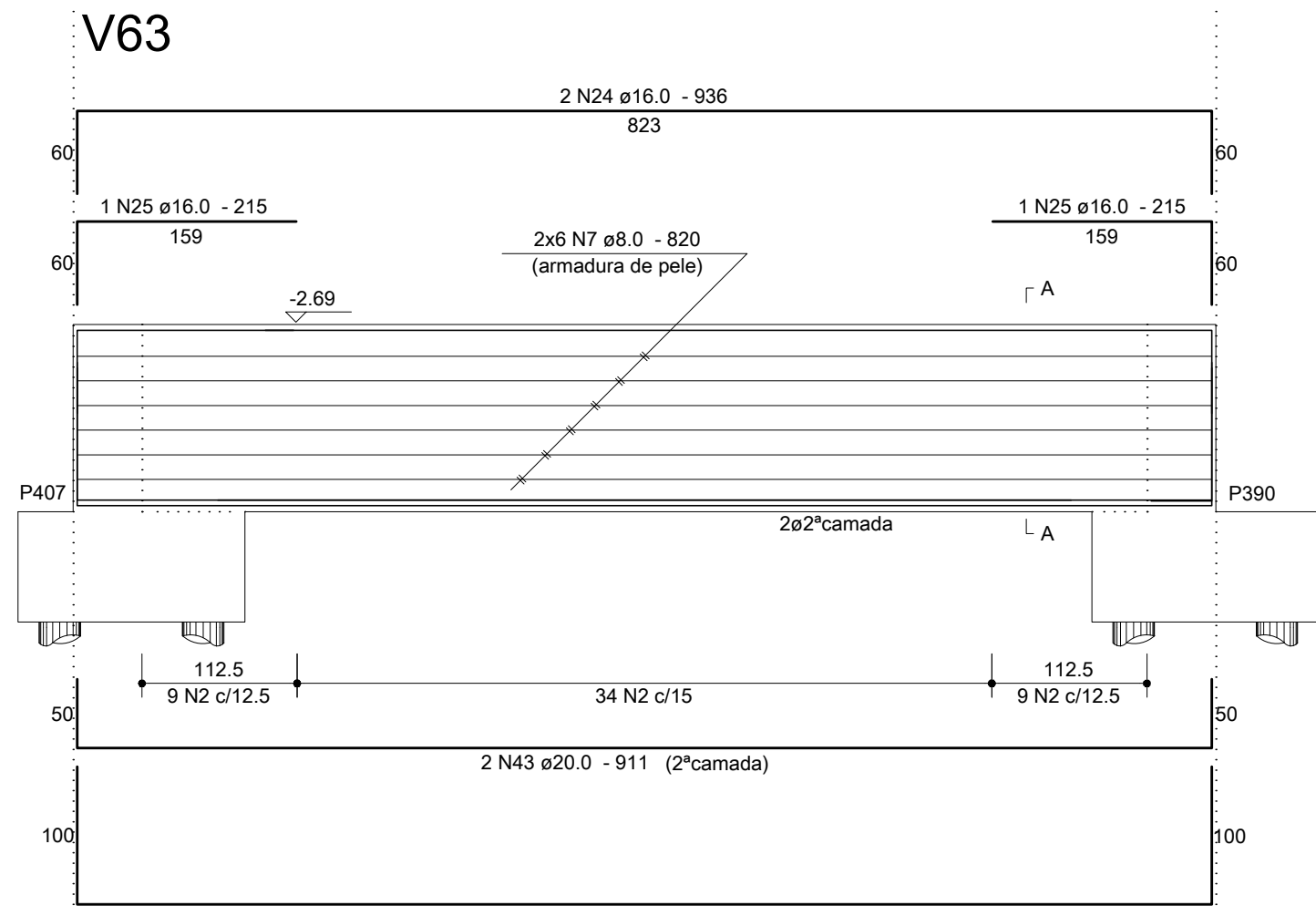
VR102



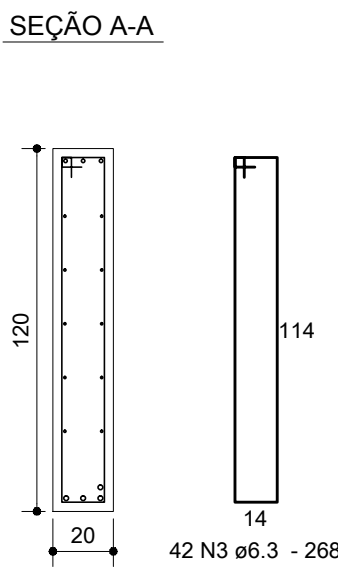
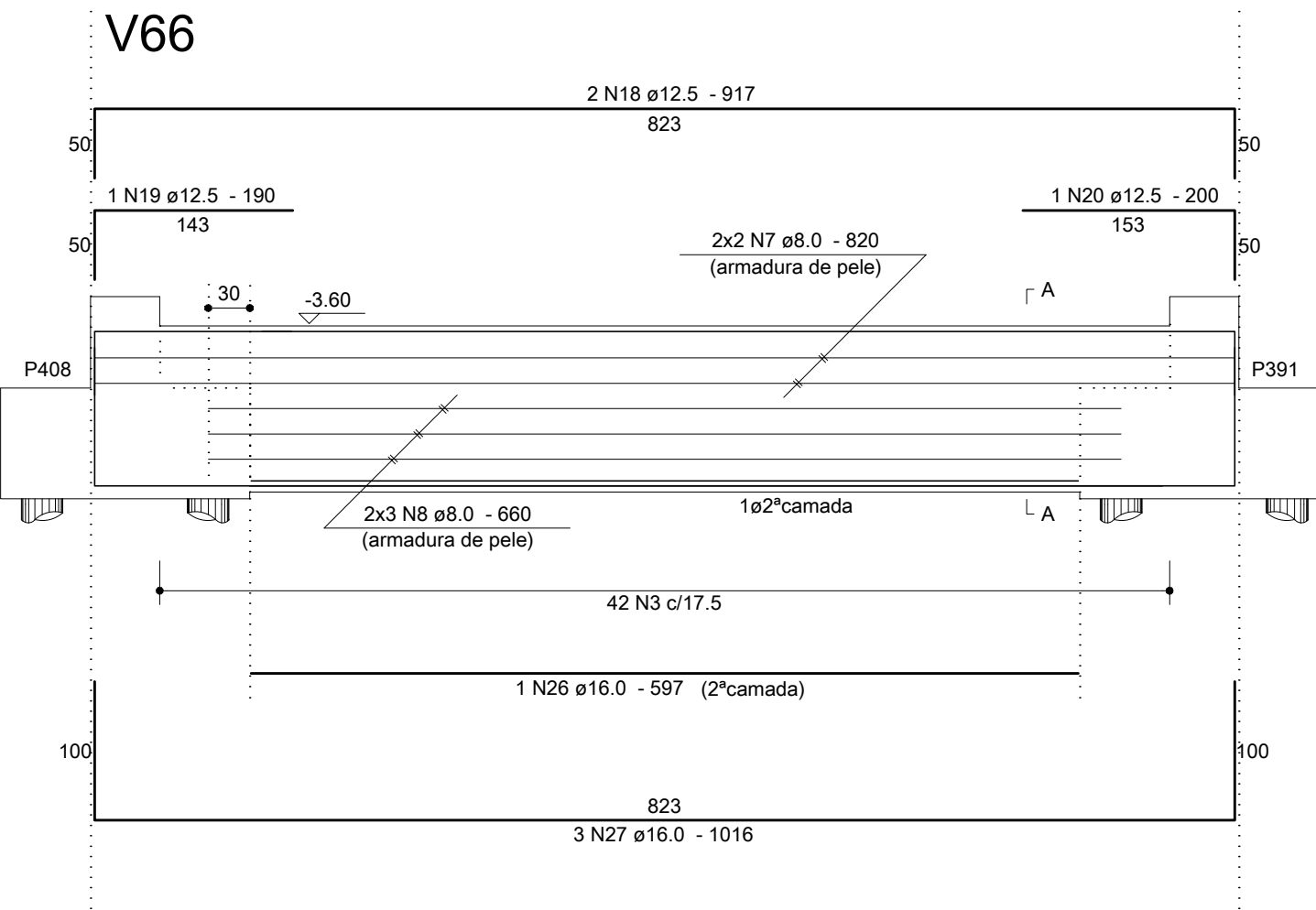
VR103



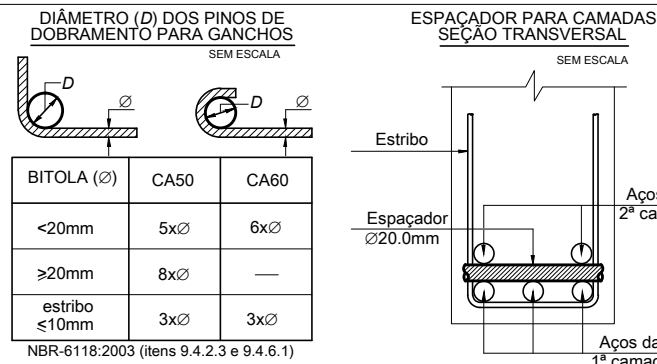
V63



V66



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 as vigas: 3,0cm.
04 Unidades: diâmetro do aço em milímetro; espaçamento e comprimento em centímetro;

00	30/07/12	Emissão inicial.	Dionísio
REVISÃO	DATA	MODIFICAÇÕES	RESP.

		Proger Engenharia Ltda	
CLIENTE: PÁTIOMIX LINHARES SHOPPING CENTER SPE S.A.		DESENHO: 407_arm02_13_0.dwg	
OBRA: SHOPPING PÁTIOMIX LINHARES Linhares - ES		ESCALA: seções: 1:25 vigas: 1:50	
PROJETO ESTRUTURAL		PROJETO: E407	
PISO DO SUBSOLO - RAMPA 02 (VEÍCULOS) - 02/02 VIGAS		ARMAÇÕES	