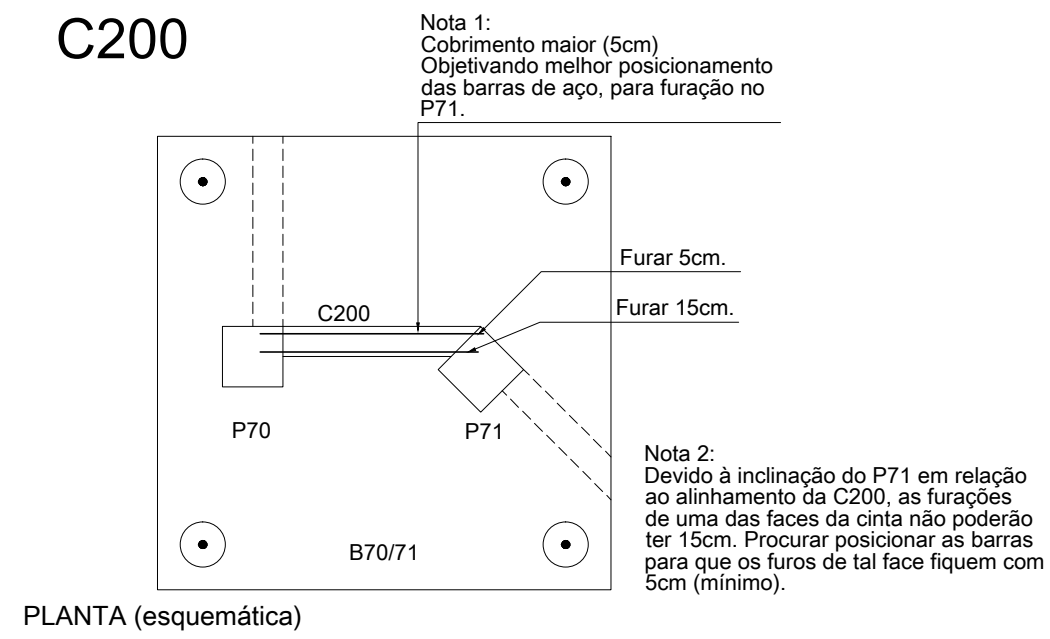
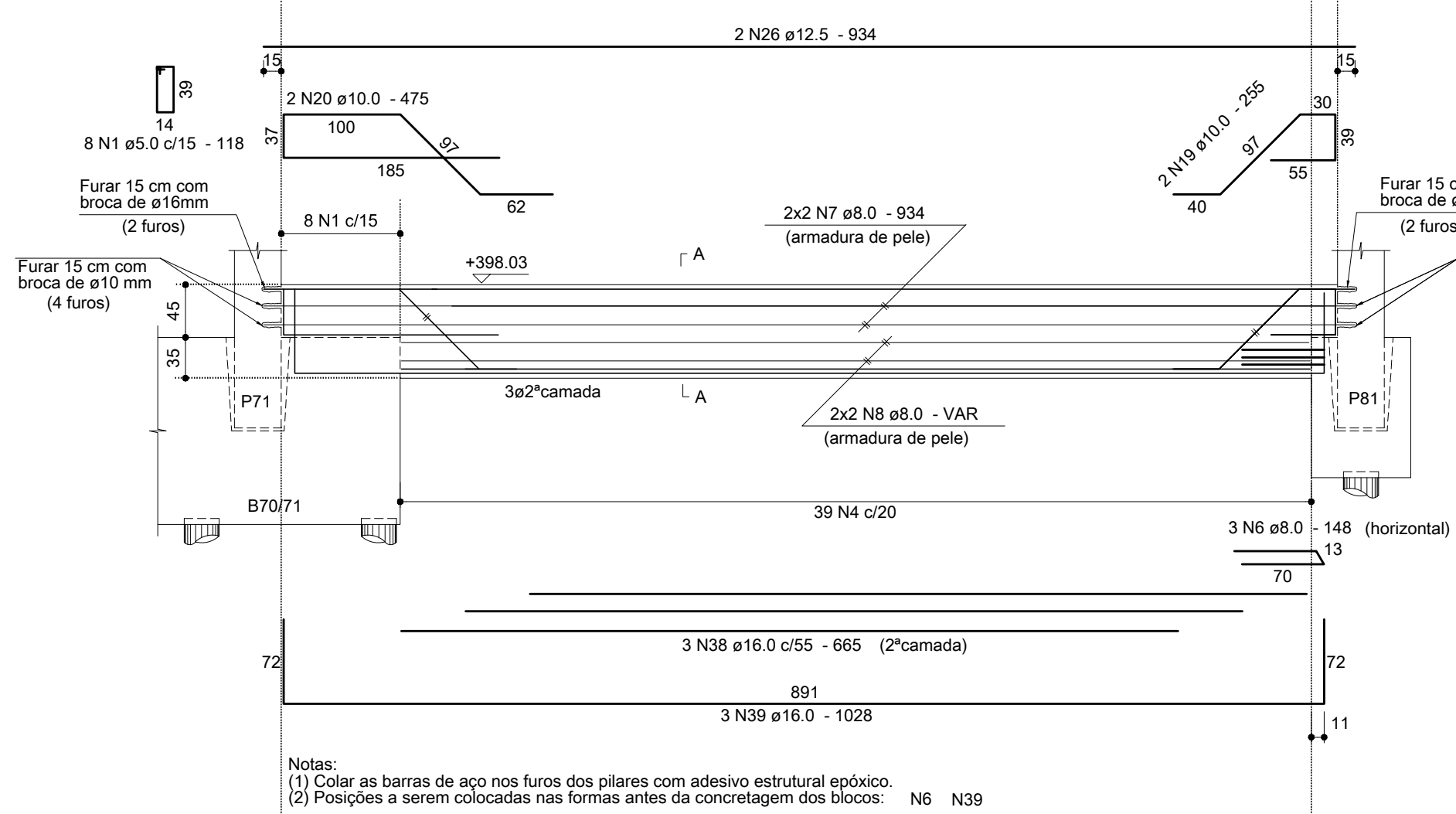


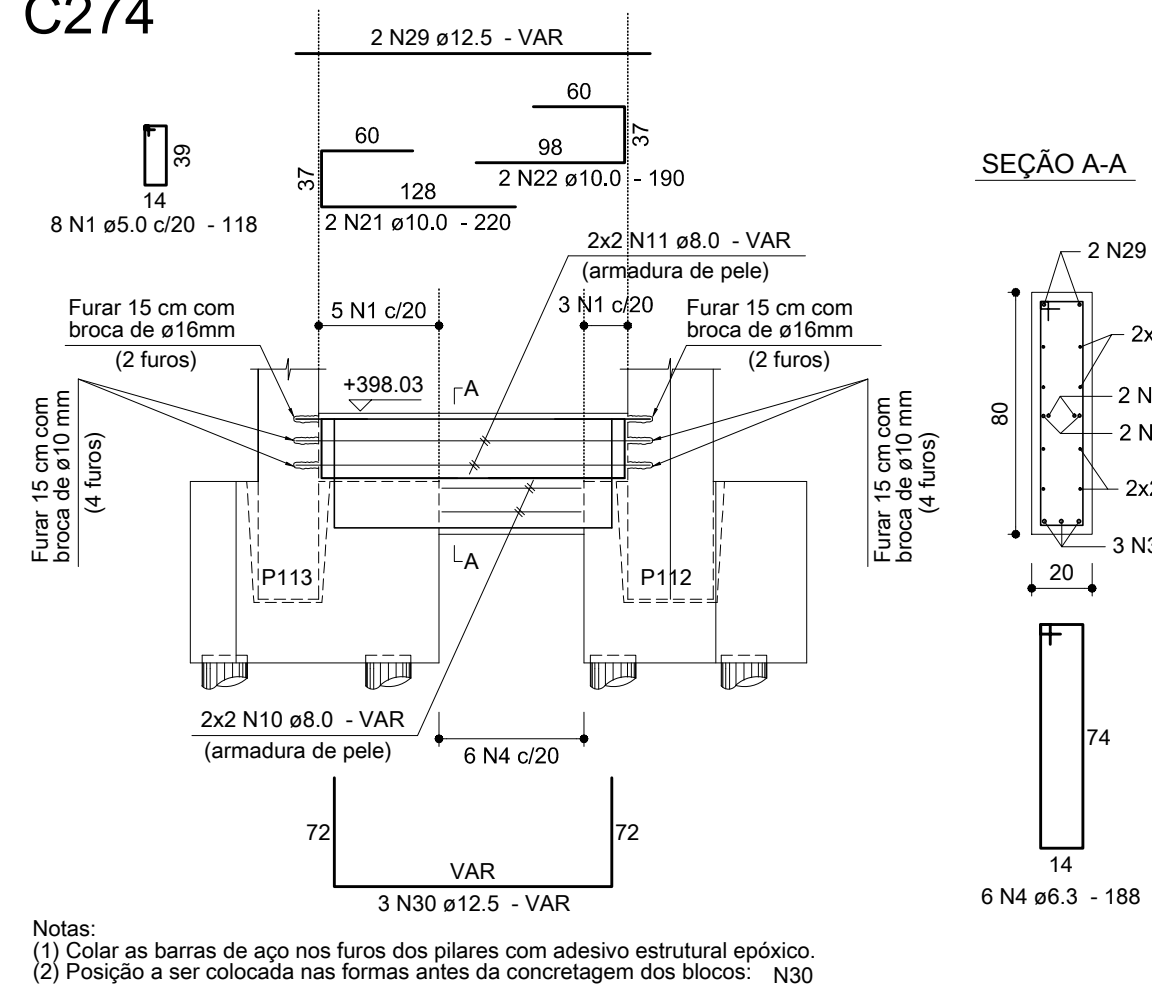
C200



C230



C274

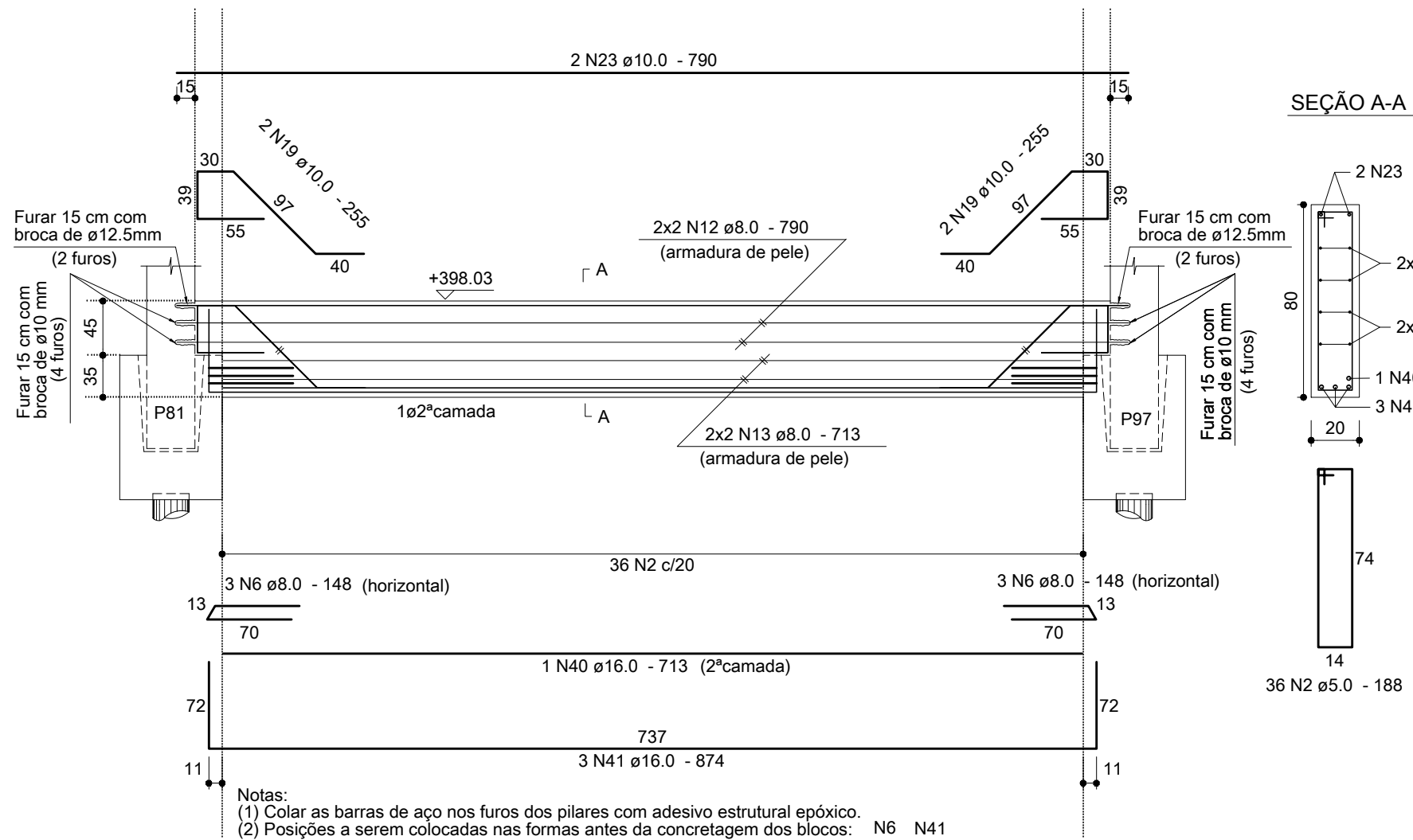


RELAÇÃO DO AÇO

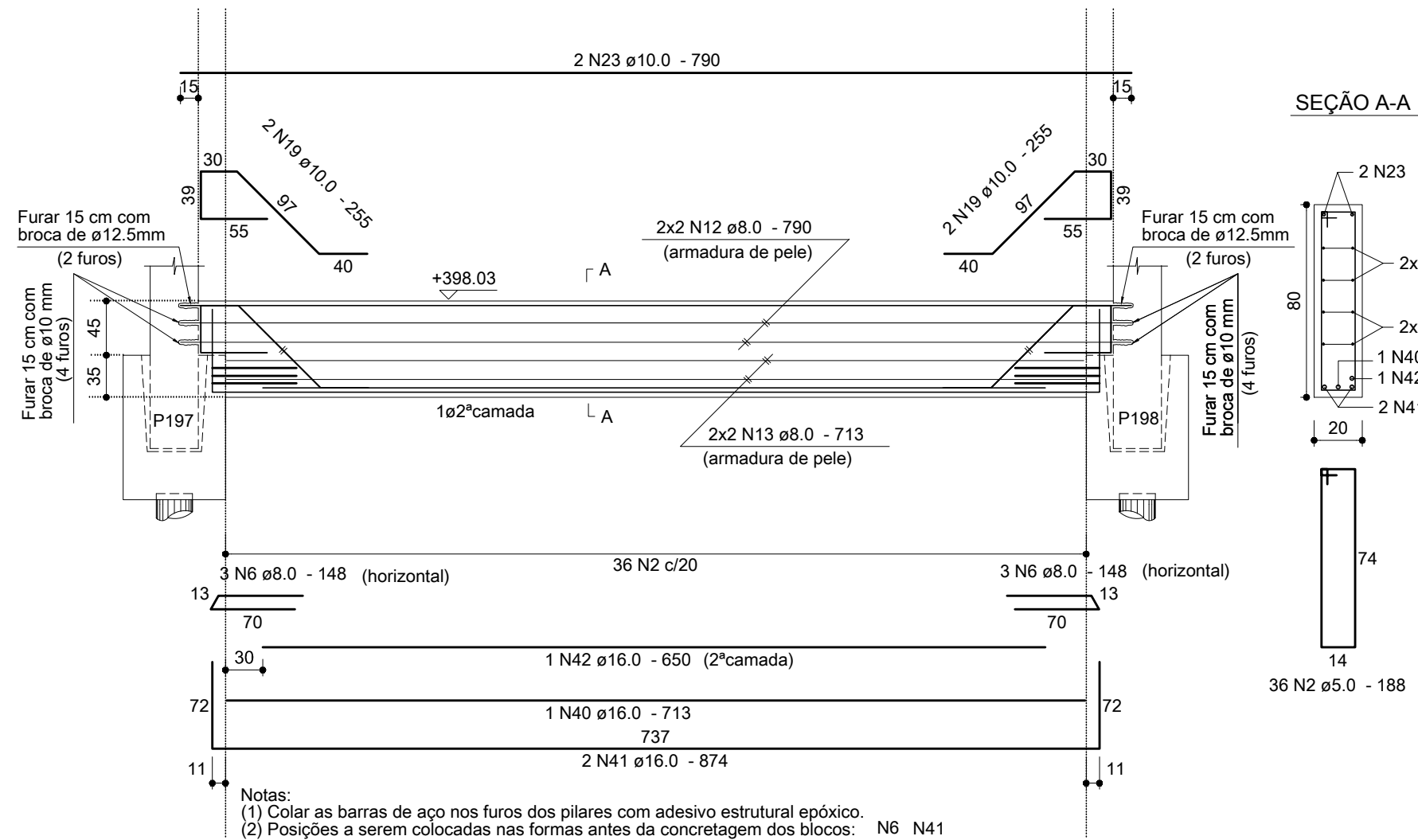
C200, C230, C231, C232, C234, C235, C236, C239, C242, C243, C244, C246, C248, C254, C261, C262, C269, C270, C271, C272, C274.

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	50	118	5900
	2	5.0	470	188	86360
CA50	3	5.0	136	148	20128
	4	6.3	45	188	8460
	5	6.3	6	144	864
	6	8.0	87	148	12876
	7	8.0	4	894	3736
	8	8.0	4	VAR	VAR
	9	8.0	4	VAR	VAR
	10	8.0	4	VAR	VAR
	11	8.0	4	VAR	VAR
	12	8.0	56	790	44240
	13	8.0	48	713	34224
	14	8.0	8	445	3560
	15	8.0	8	368	2944
	16	8.0	8	990	7920
	17	8.0	4	956	3824
	18	8.0	4	756	3024
	19	10.0	58	255	14790
	20	10.0	2	475	950
	21	10.0	2	220	440
	22	10.0	2	190	380
	23	10.0	28	790	22120
	24	10.0	4	445	1780
	25	10.0	8	262	2096
	26	12.5	2	934	1868
	27	12.5	2	VAR	VAR
	28	12.5	2	VAR	VAR
	29	12.5	2	VAR	VAR
	30	12.5	3	VAR	VAR
	31	12.5	4	530	2120
	32	12.5	2	368	736
	33	12.5	4	990	3960
	34	12.5	4	261	1044
	35	12.5	4	281	1124
	36	12.5	2	520	1040
	37	12.5	4	868	3472
	38	16.0	3	665	1995
	39	16.0	3	1028	3084
	40	16.0	12	713	8556
	41	16.0	31	874	27094
	42	16.0	5	650	3250
	43	16.0	2	833	1666
	44	16.0	6	1067	6402

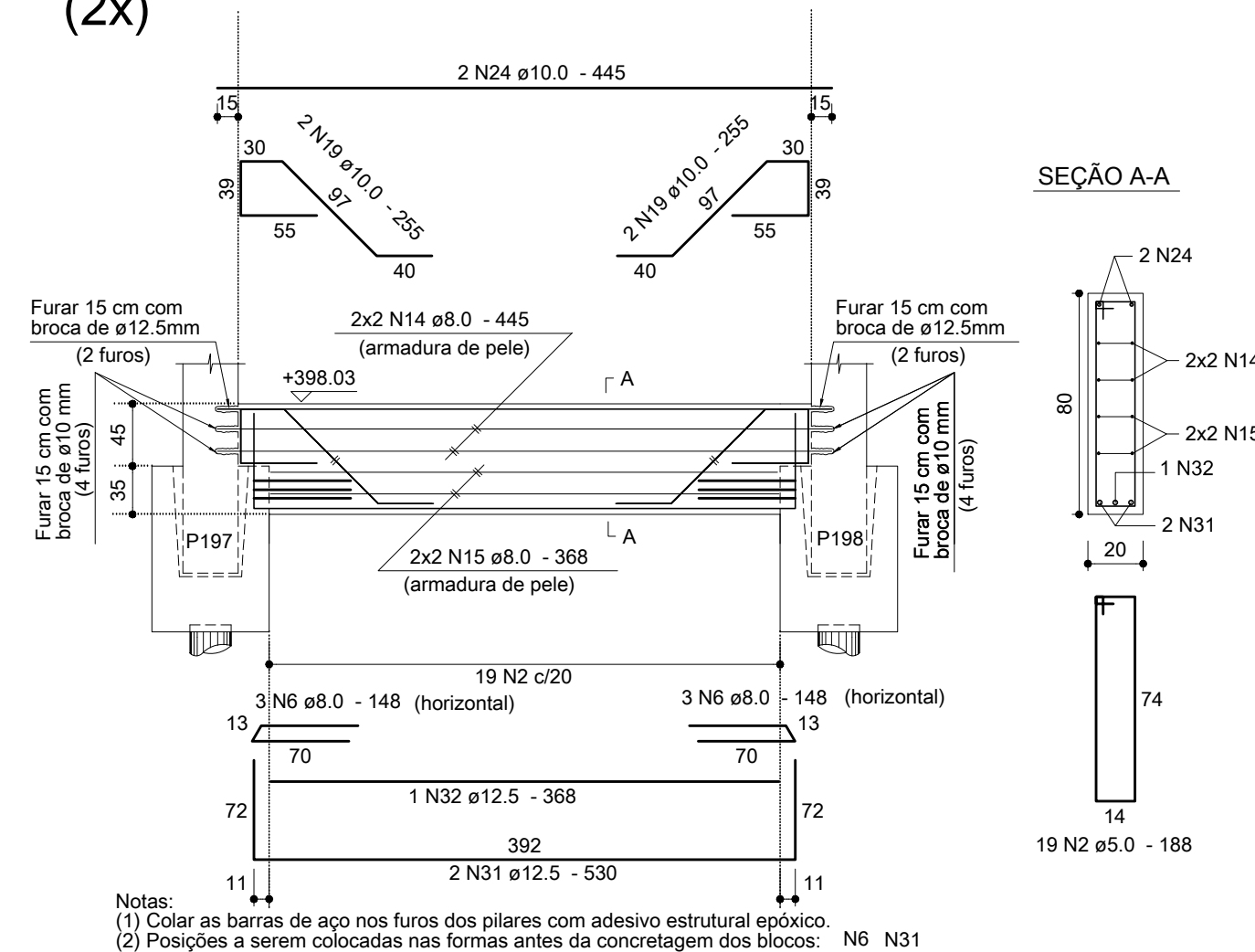
C231=C235=C236=C269=C270=C271=C272 (7x)



C246=C248=C254=C261=C262 (5x)



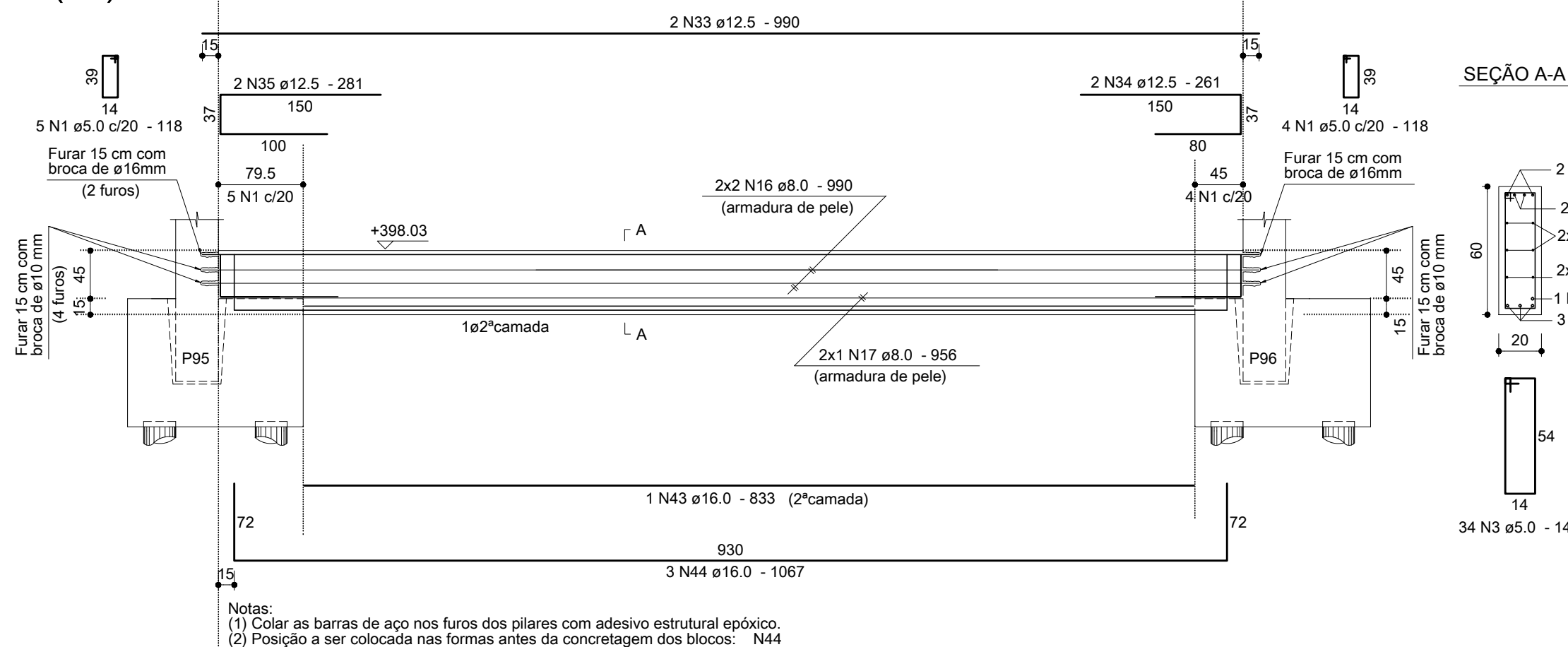
C232=C234 (2x)



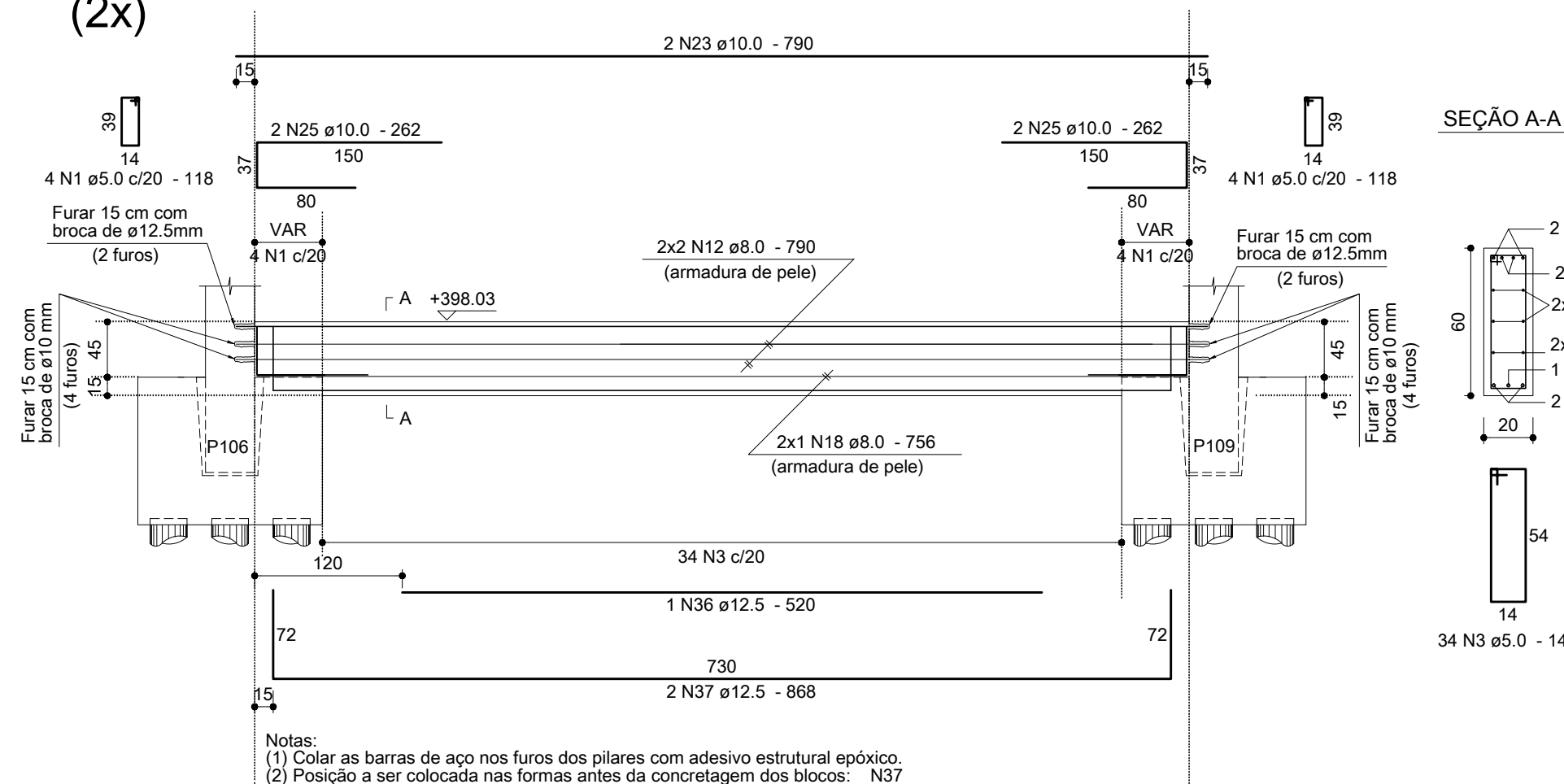
RESUMO DOS MATERIAIS

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	93.3	22.8
	8.0	1213	478.6
	10.0	425.6	262.4
	12.5	174.2	167.8
	16.0	520.5	821.5
CA60	5.0	1143.9	176.3
PESO TOTAL (kg)			Vol. de concreto = 21.94 m³
CA50	1753.1		Área de forma = 220.02 m²
CA60	176.3		

C243=C244 (2x)



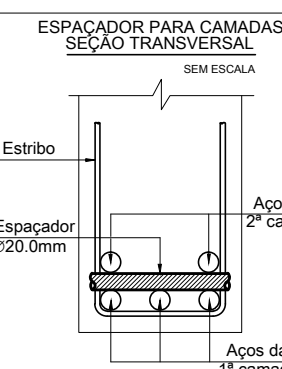
C239=C242 (2x)



Anotações:

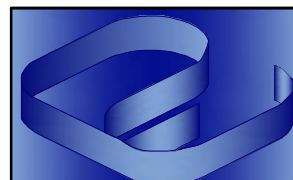
BITOLA (Ø)	CA50	CA60
+20mm	5xØ	6xØ
+20mm	8xØ	—
+10mm	3xØ	3xØ

NBR 6118:2003 (Itens 9.4.2.3 e 9.4.6.1)



Notas:

- 01 NBR6118:2003 – Classe de Agressividade Ambiental = II (estrutura revestida).
02 NBR6118:2003 – Concreto com $f_{ck}=25\text{MPa}$ – Aço CA-50.
03 NBR6118:2003 – Cobrimento para cintas: 3,0cm. Controle rigoroso das formas.
04 Unidades: diâmetro do aço em milímetro; espaçamento e comprimento em centímetro;
05 Para definição de formas e níveis consultar planta geral do piso (FOR 03).



Proger Engenharia Ltda

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CLIENTE:	JPI – HOLDING E PARTICIPAÇÕES LTDA	DESENHO:	381_arm02_08_r0.dwg
OBRA:	SHOPPING PÁTIOMIX RESENDE Av. Dirival Marcondes Godoy – Fazenda do Castelo Resende – RJ	ESCALA:	Cintas: 1:50 seções: 1:25
PROJETO ESTRUTURAL		DATA – REVISÃO:	04/01/11 – R0
PISO DO PAVIMENTO TÉRREO – CINTAS – 08		PROJETO:	E381
ARMAÇÕES			ARMO2-08