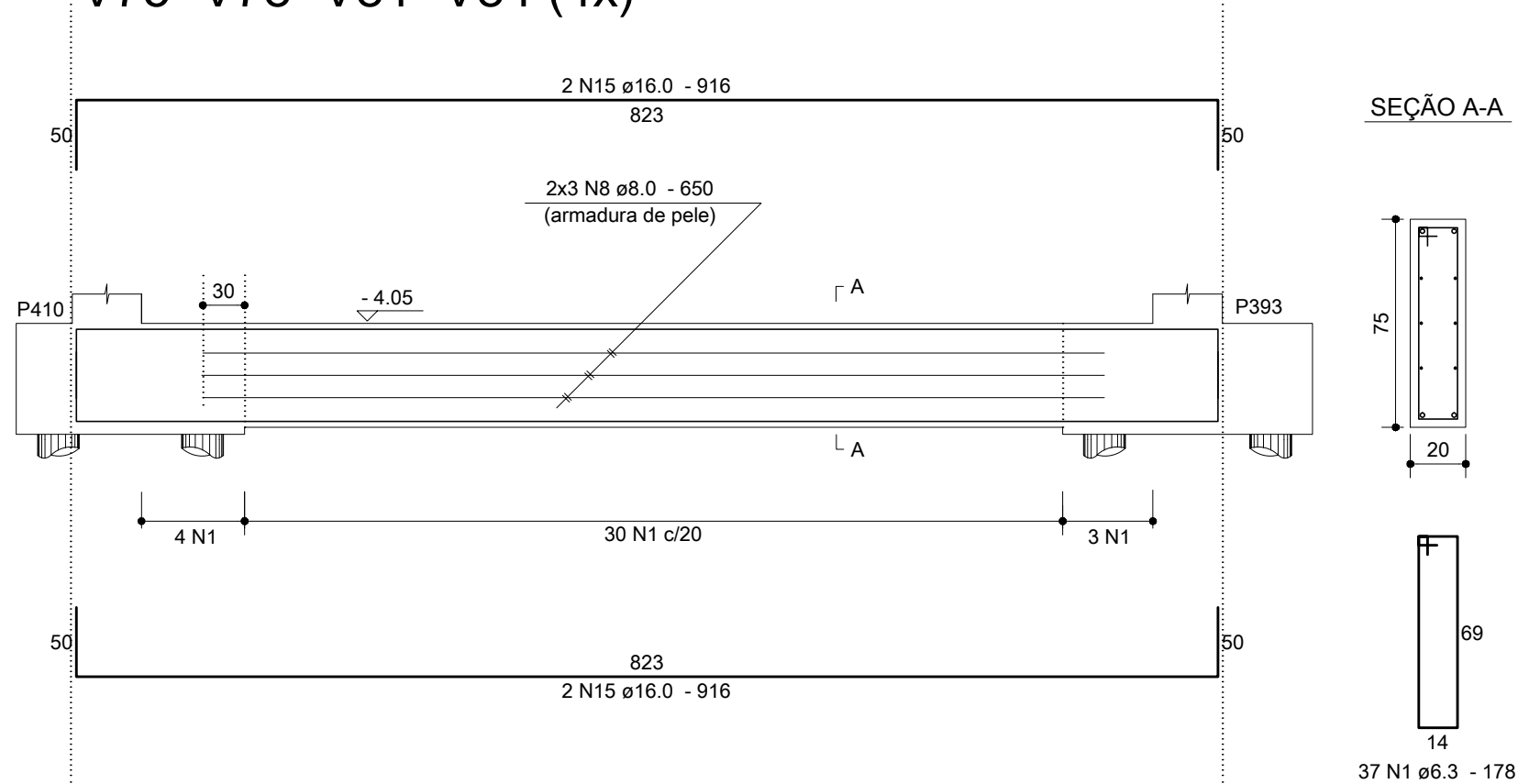
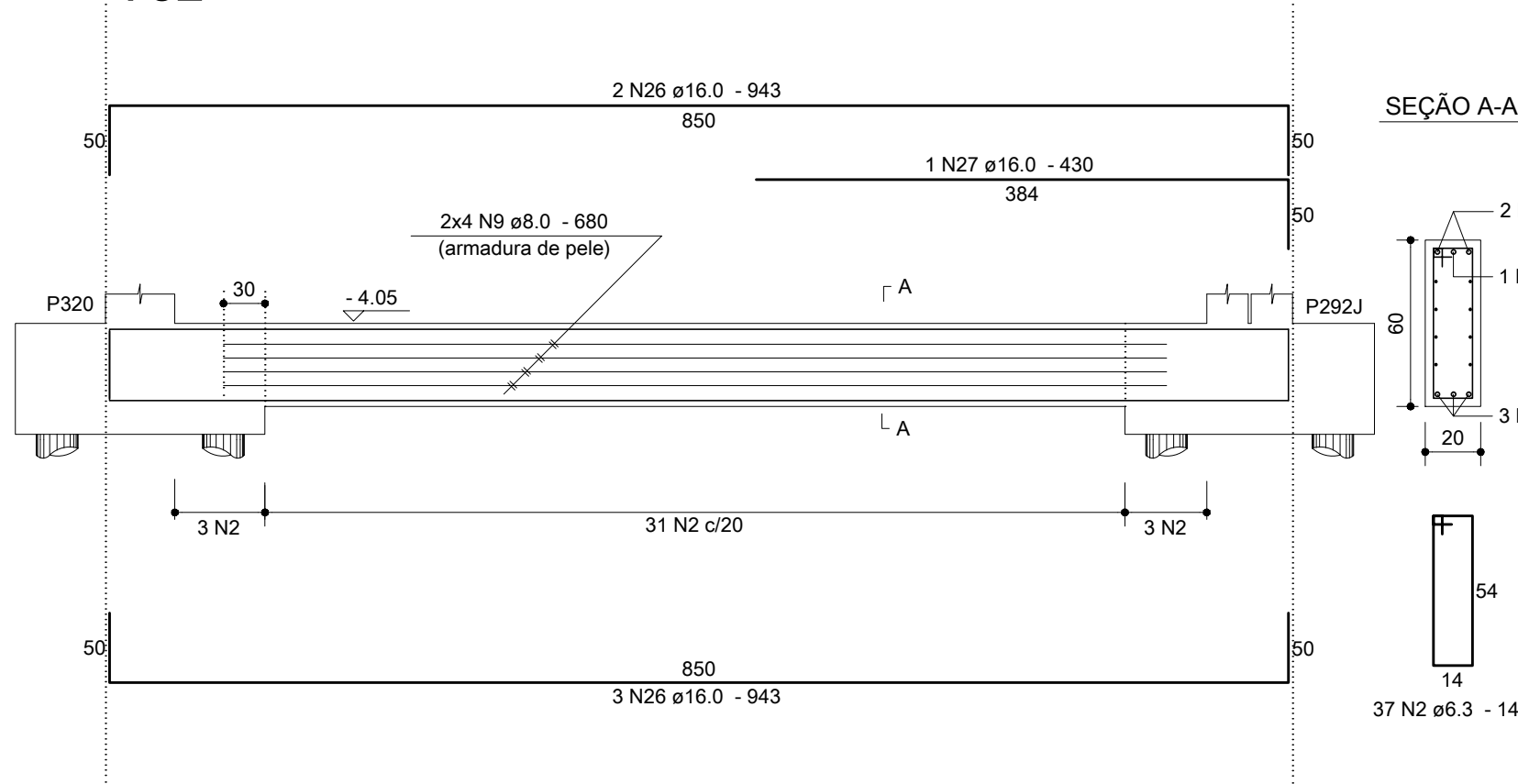


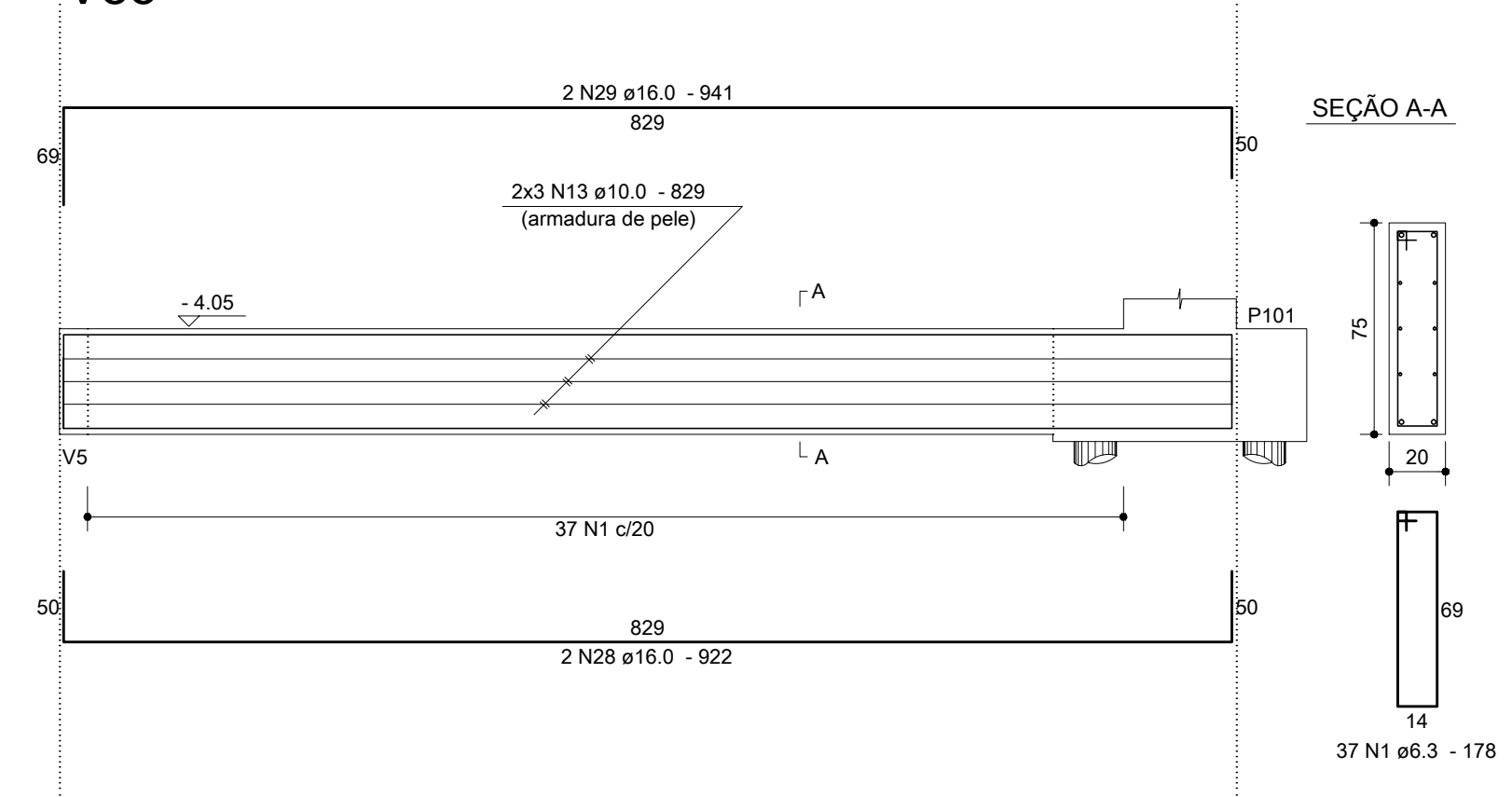
V75=V78=V81=V84 (4x)



V82



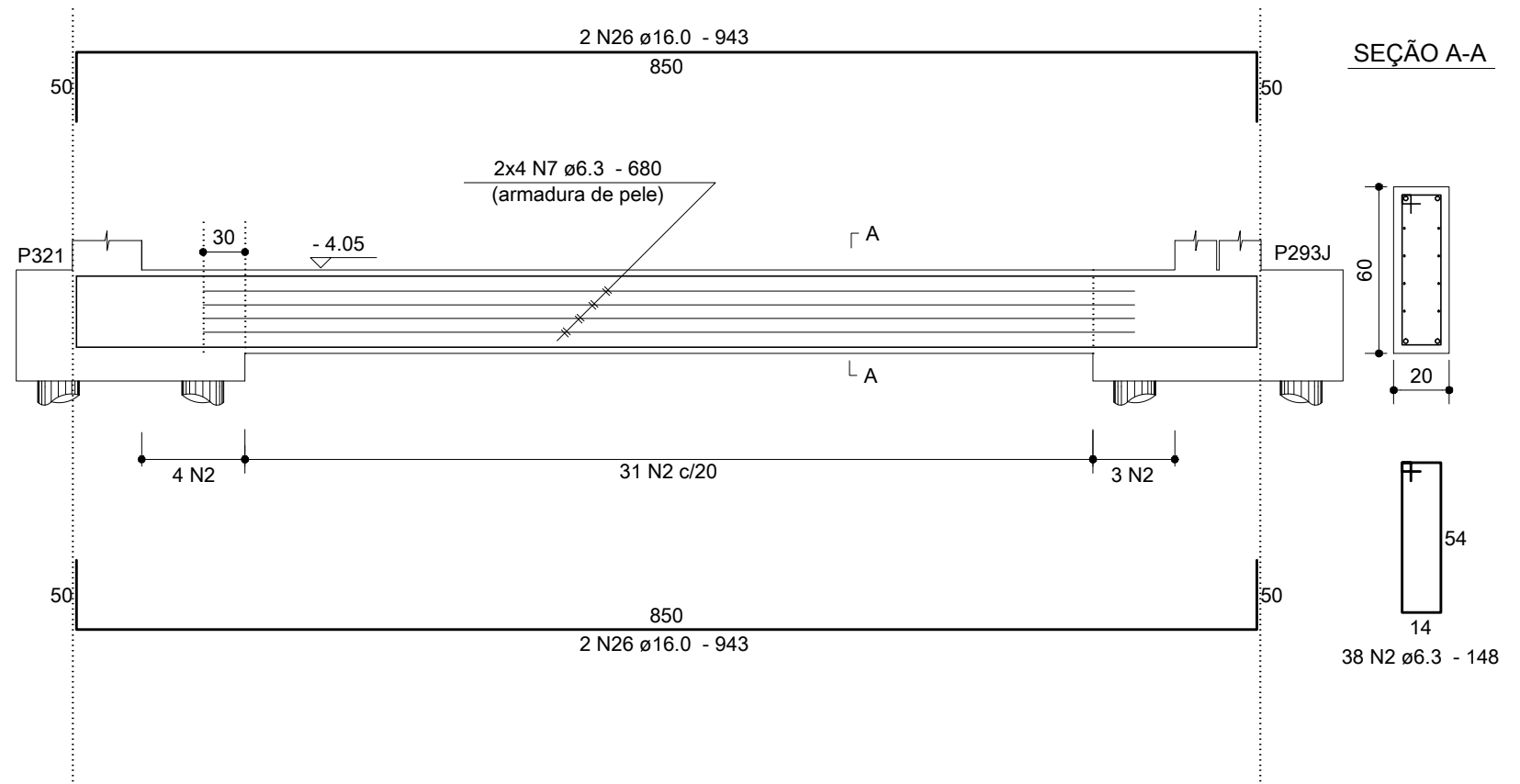
V85



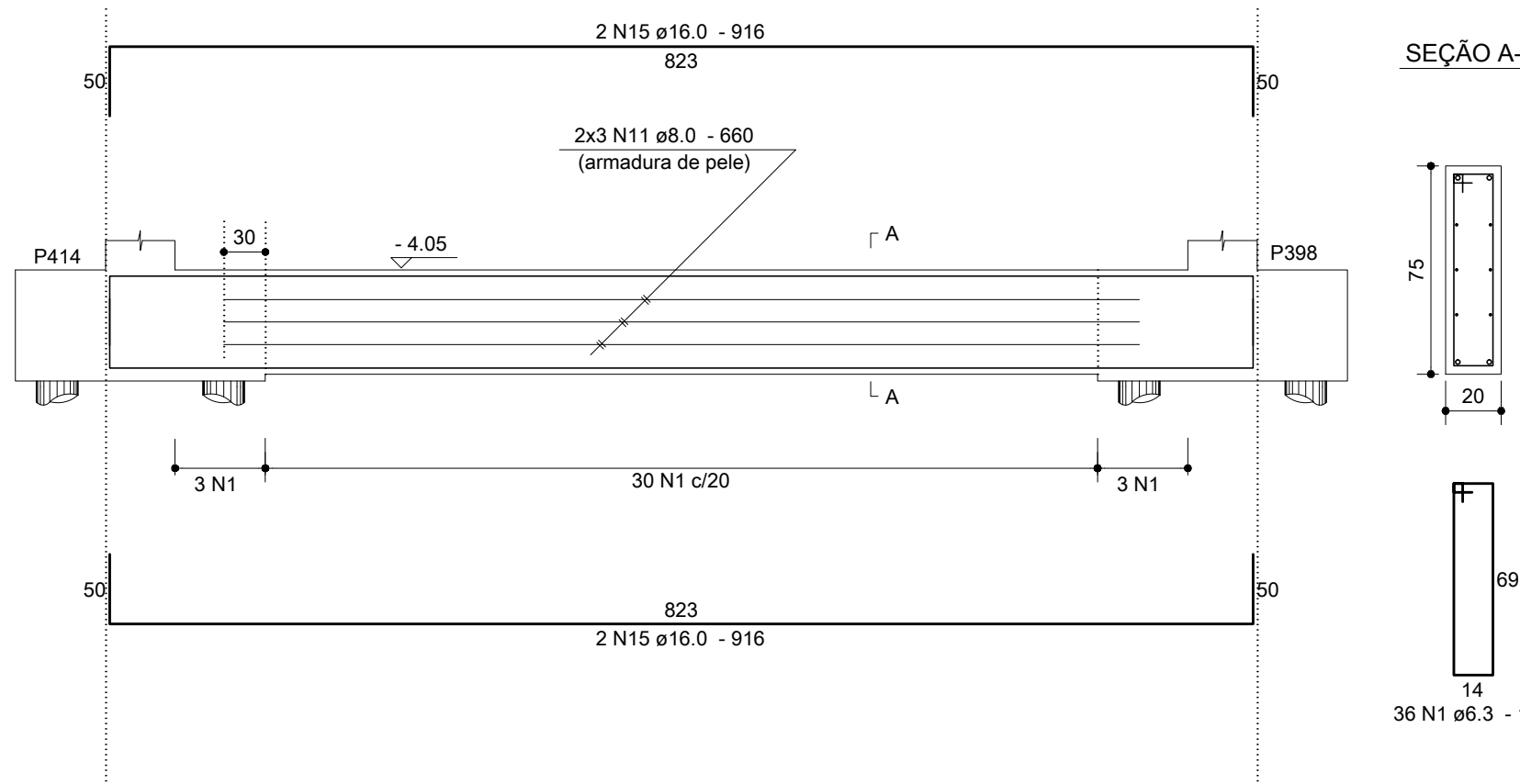
Relação do Aço

AÇO	N	DIAM	Q	UNIT	C.TOTAL
CA50	1	6.3	509	178	90602
	2	6.3	320	148	47360
	3	6.3	8	670	5360
	4	6.3	8	305	2440
	5	6.3	8	700	5600
	6	6.3	36	198	7128
	7	6.3	8	680	5440
	8	8.0	24	650	15600
	9	8.0	32	680	21760
	10	8.0	10	844	8440
	11	8.0	30	660	19800
	12	8.0	8	670	5360
	13	10.0	6	829	4974
	14	10.0	24	844	20256
	15	16.0	36	916	32976
	16	16.0	2	885	1770
	17	16.0	2	460	920
	18	16.0	2	845	1690
	19	16.0	3	905	2715
	20	16.0	2	750	1500
	21	16.0	2	1200	2400
	22	16.0	2	1200	2400
	23	16.0	4	440	1760
	24	16.0	22	937	20614
	25	16.0	15	953	14295
	26	16.0	9	943	8487
	27	16.0	1	430	430
	28	16.0	2	922	1844
	29	16.0	2	941	1882

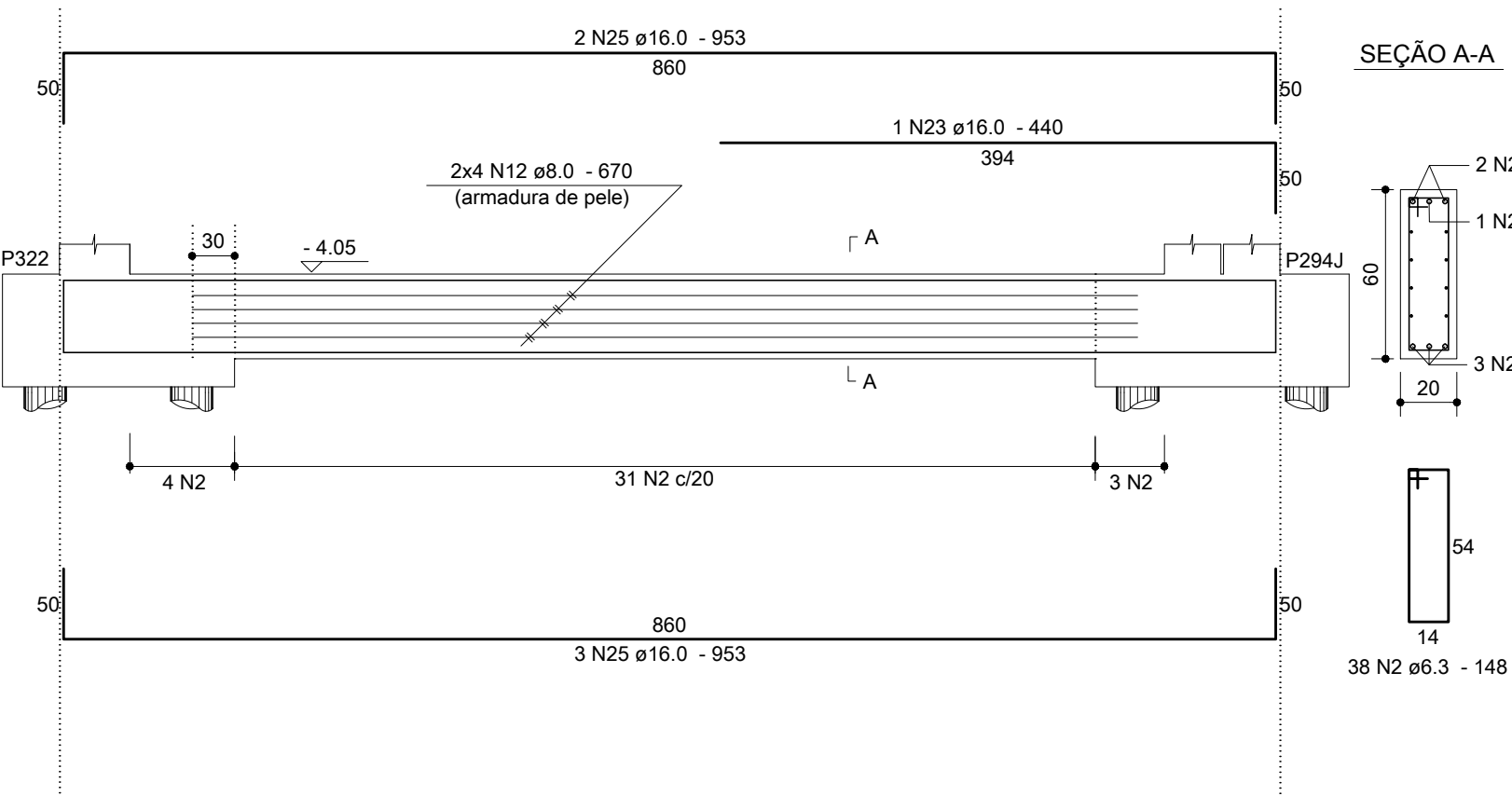
V86



V87=V90=V98=V101=V104 (5x)



V88

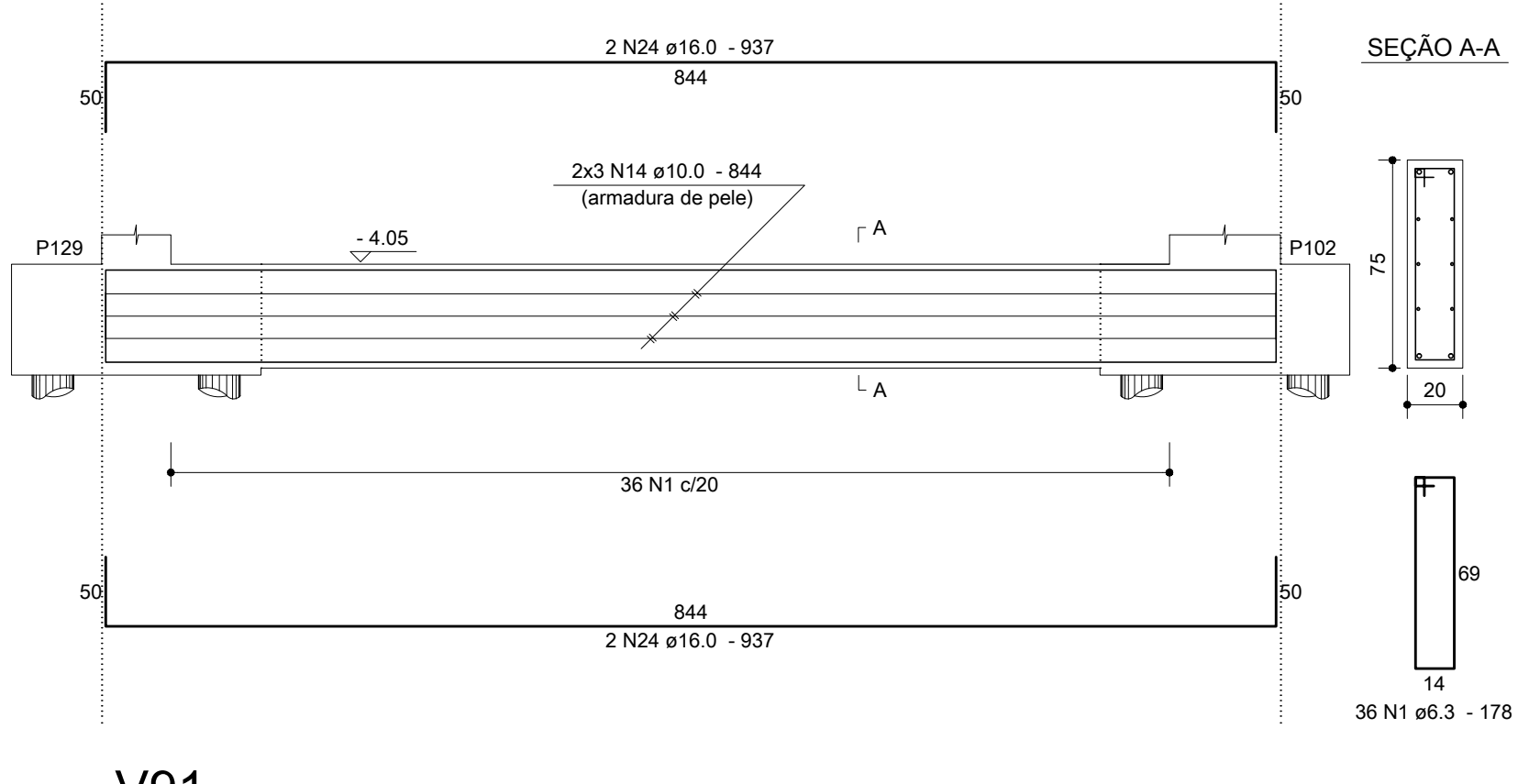


Resumo dos Materiais

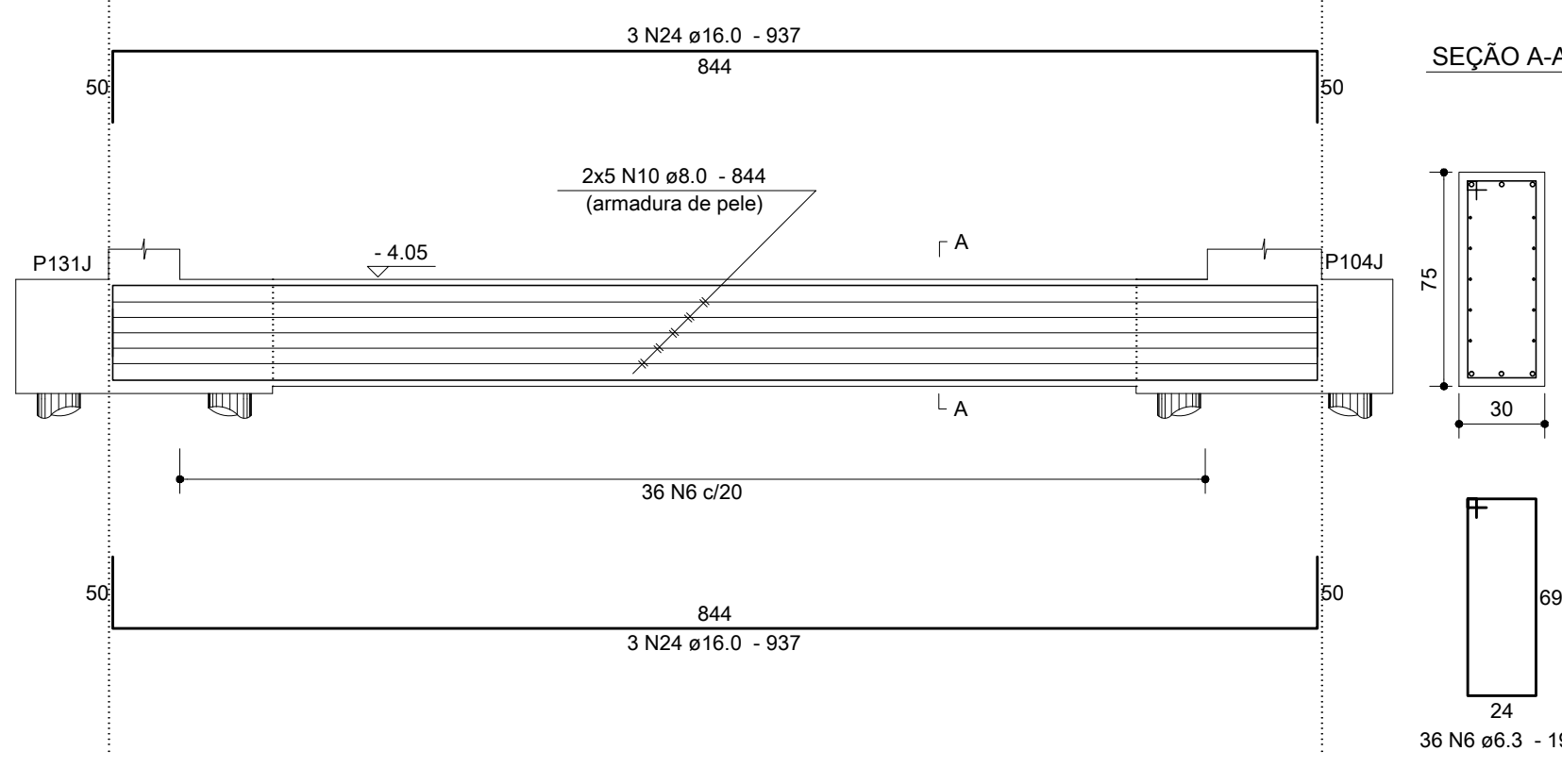
AÇO	DIAM	C.TOTAL	PESO
CA50	6.3	1639.3	401.1
	8.0	709.6	280
	10.0	252.3	155.6
	16.0	956.9	1510.2
PESO TOTAL	(kg)		
CA50	2346.9		

Vol. concreto = 27.98 m³
Área formas = 313.56 m²

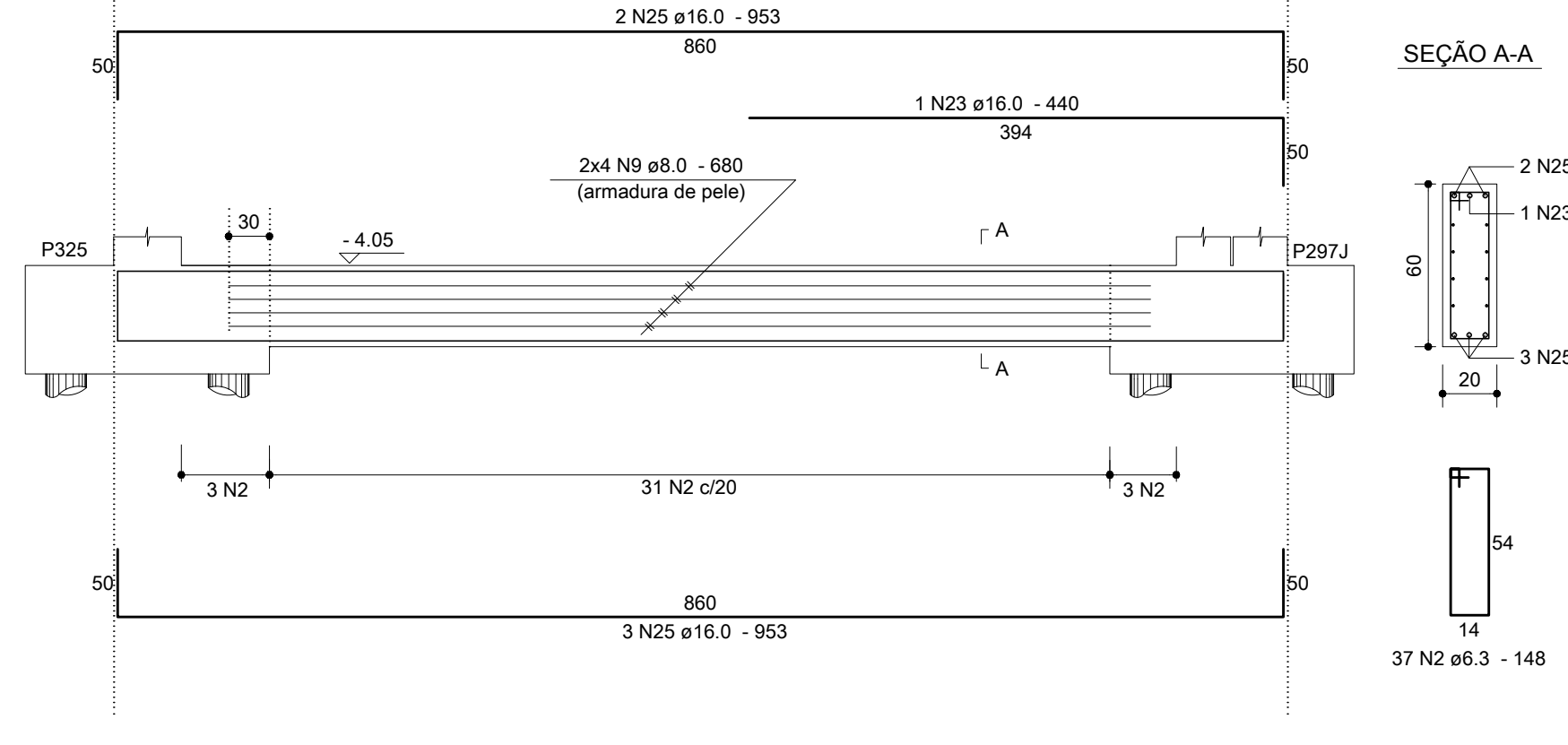
V89=V93=V100=V103 (4x)



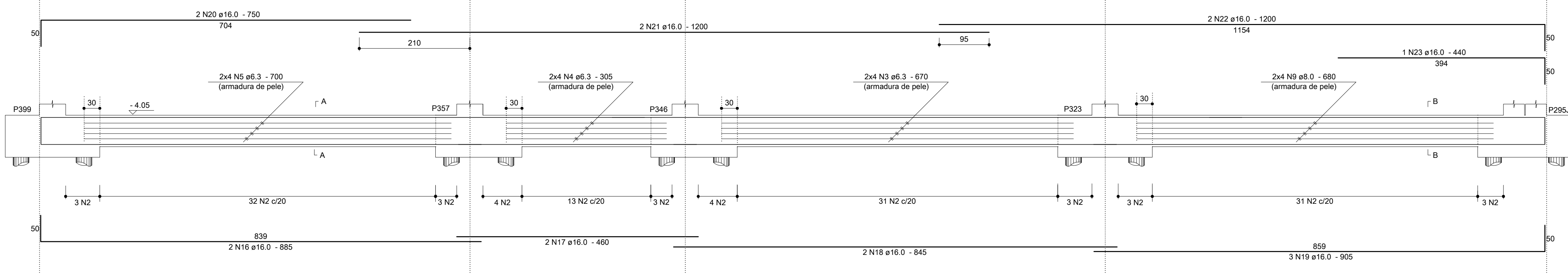
V97



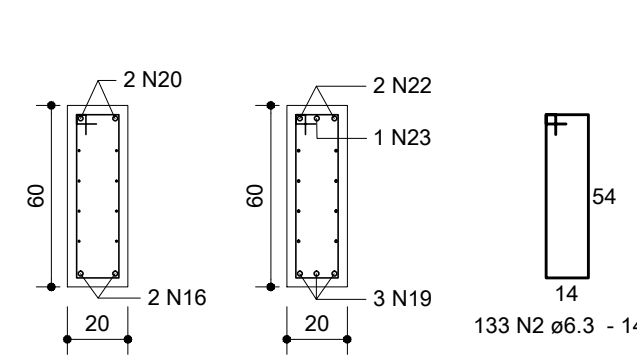
V99=V102 (2x)



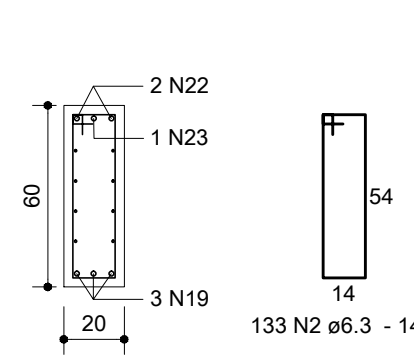
V91



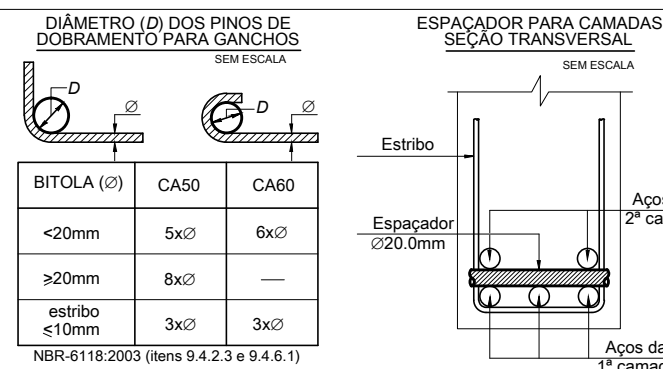
SEÇÃO A-A



SEÇÃO B-B



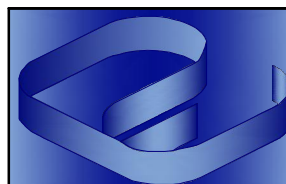
Anotações:



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

PROJETOS ESTRUTURAIS - CONSULTORIA - GERENCIAMENTO
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http://www.progerengenharia.com.br

CLIENTE:	PÁTIOMIX LINHARES SHOPPING CENTER SPE S.A.	DESENHO:	407_arm02_04_r0.dwg
OBRA:	SHOPPING PÁTIOMIX LINHARES Linhares - ES	ESCALA:	seções: 1:25 vigas: 1:50
PROJETO ESTRUTURAL	PISO DO SUBSOLO - VIGAS - 04/08	DATA - REVISÃO:	19/05/12 - R0
		PROJETO:	E407
			ARMO2-04