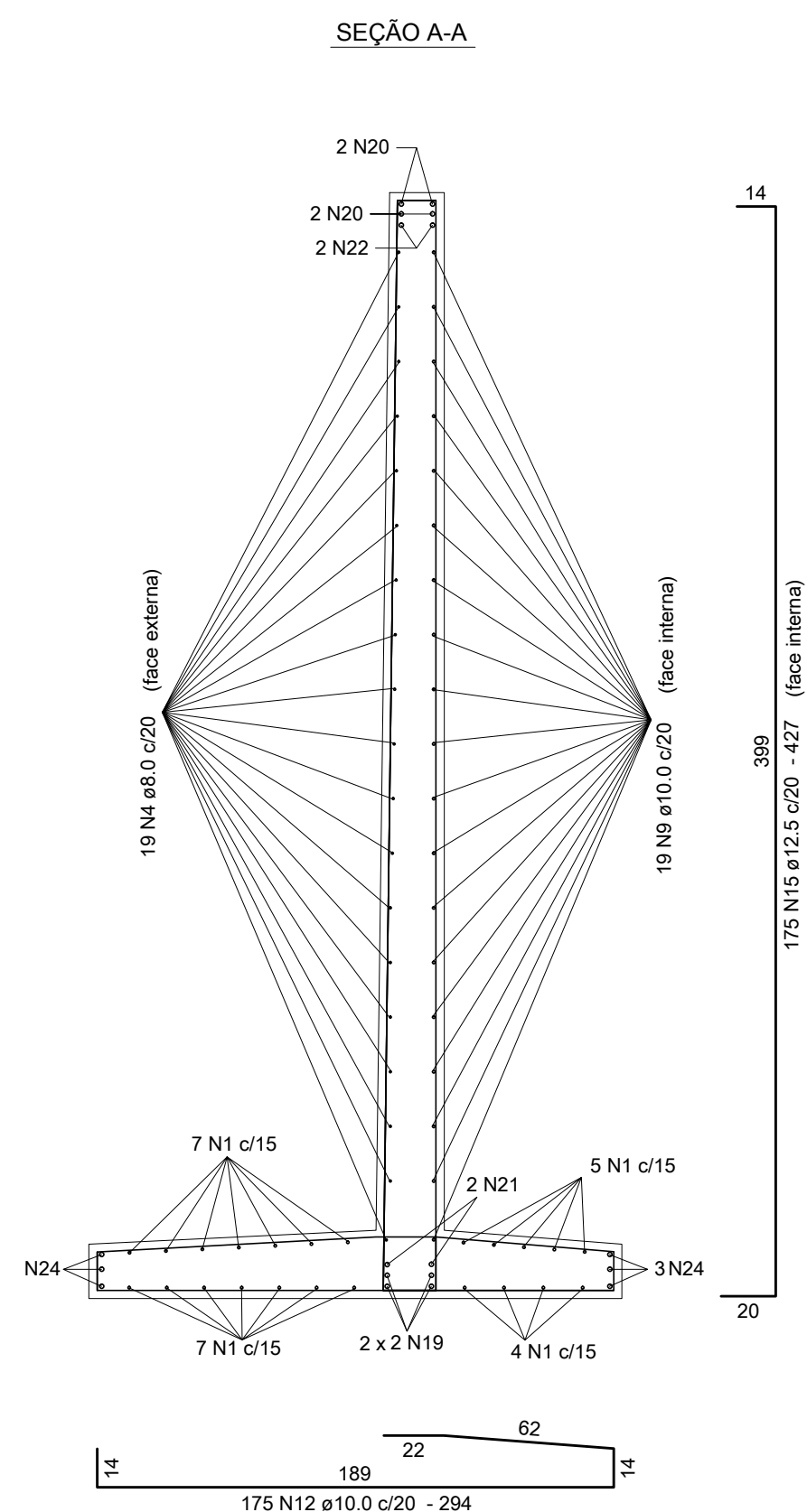
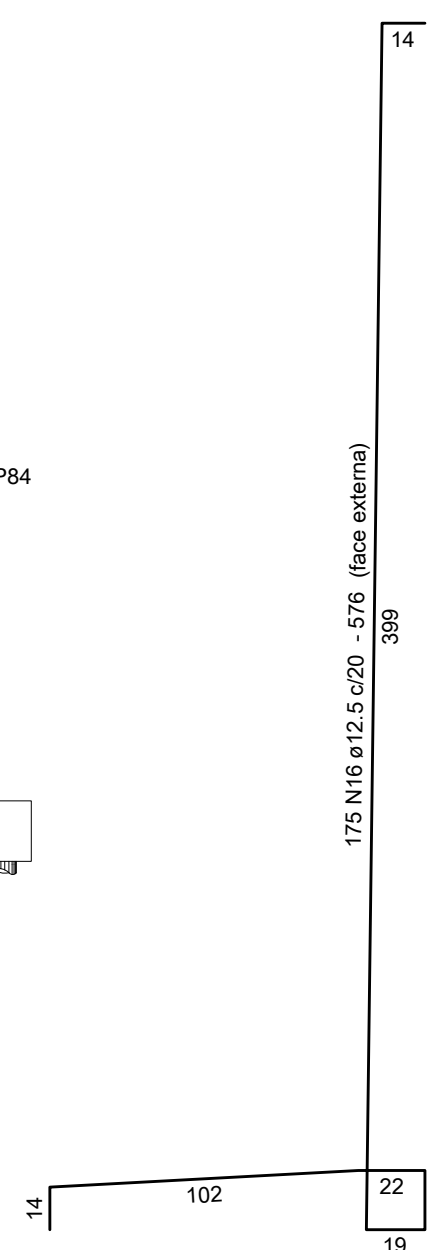
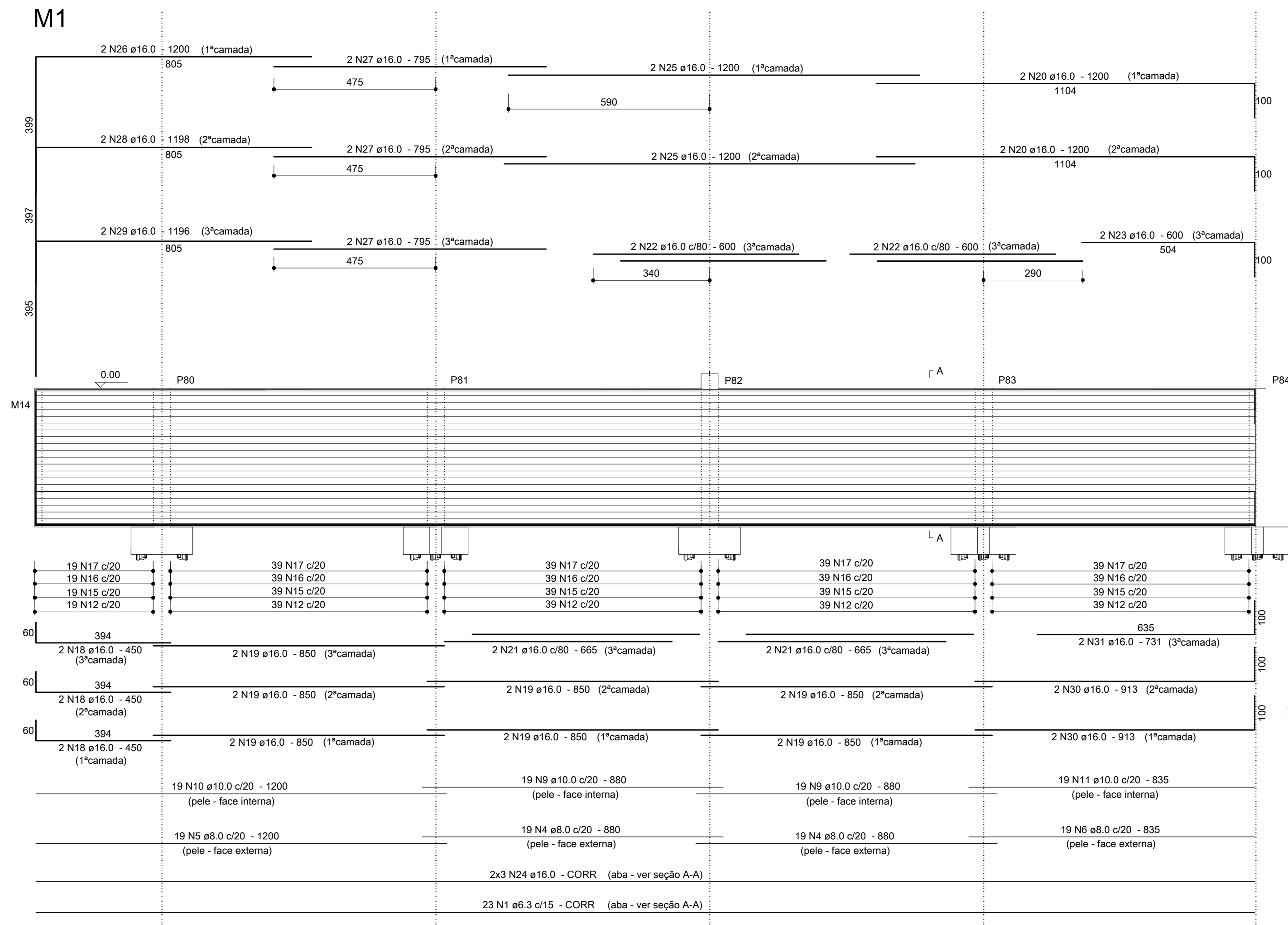


M1



Relação do Aço

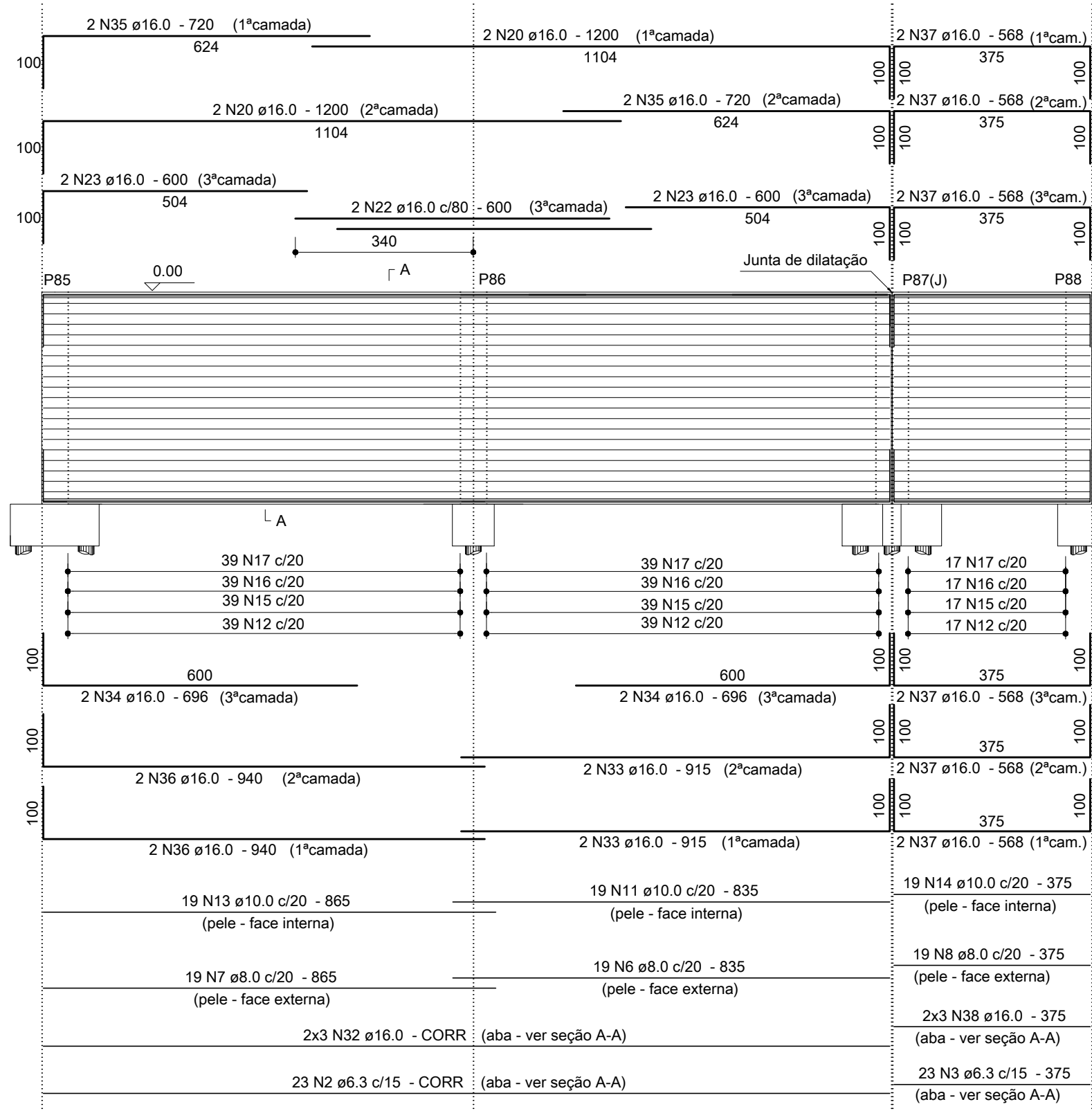
M1, M2+M3.

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA50	1	6,3	23	CORR	81880
	2	6,3	23	CORR	37214
	3	6,3	23	375	8625
	4	8,0	38	880	33440
	5	8,0	19	1200	22800
	6	8,0	38	835	31730
	7	8,0	19	865	16435
	8	8,0	19	375	7125
	9	10,0	38	880	33440
	10	10,0	19	1200	22800
	11	10,0	38	835	31730
	12	10,0	270	294	79380
	13	10,0	19	865	16435
	14	10,0	19	375	7125
	15	12,5	270	427	115290
	16	12,5	270	576	155520
	17	12,5	270	375	97500
	18	16,0	6	450	2700
	20	16,0	8	1200	9600
	21	16,0	4	665	2660
	22	16,0	6	600	3600
	23	16,0	6	600	3600
	24	16,0	6	CORR	21360
	25	16,0	4	1200	4800
	26	16,0	2	1200	2400
	27	16,0	6	795	4770
	28	16,0	2	1198	2396
	29	16,0	2	1198	2392
	30	16,0	4	913	3652
	31	16,0	2	731	1462
	32	16,0	6	CORR	9708
	33	16,0	4	915	3660
	34	16,0	4	696	2784
	35	16,0	4	720	2880
	36	16,0	4	940	3760
	37	16,0	12	558	6816
	38	16,0	6	375	2250

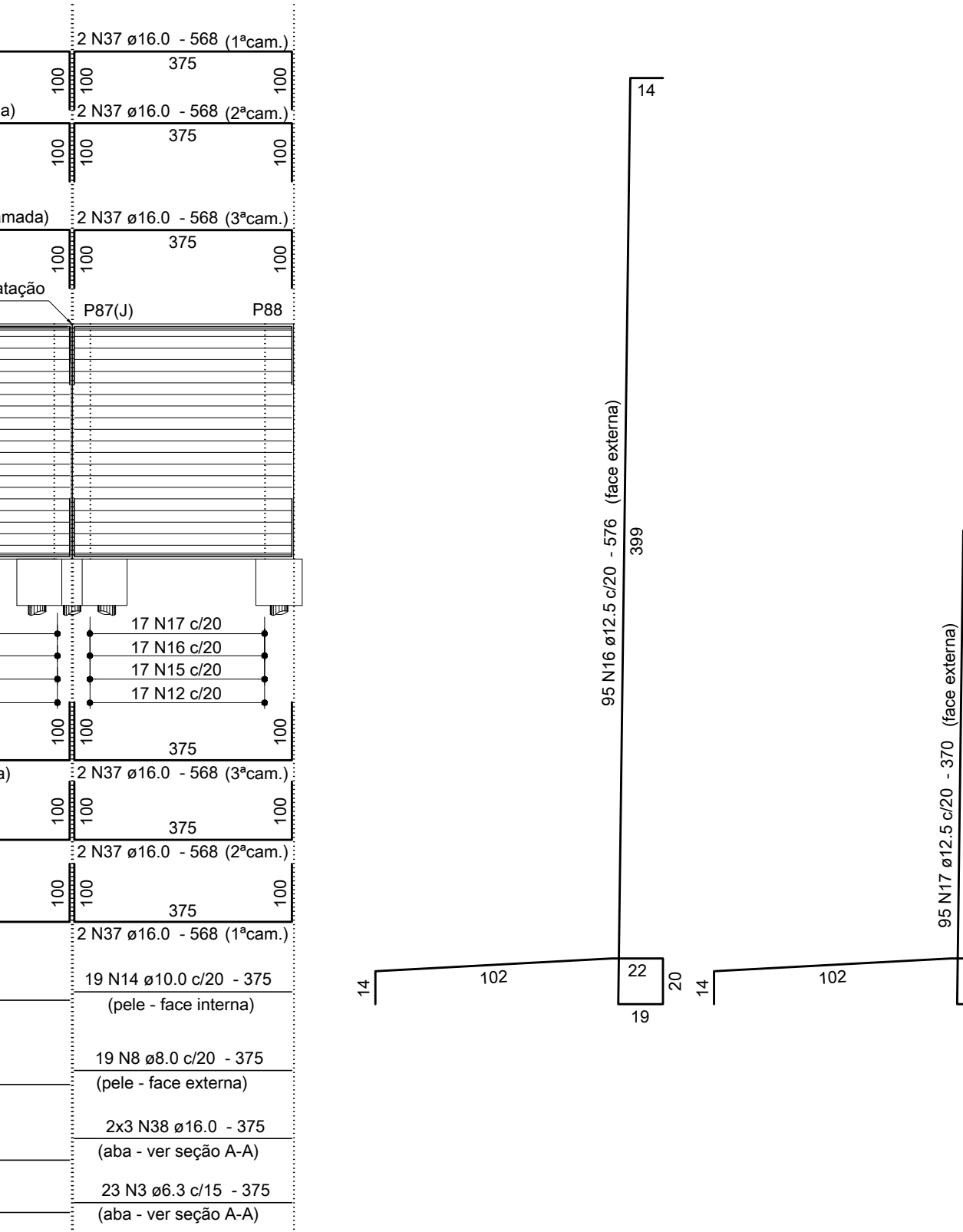
Resumo dos Materiais

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	1277.2	312.5
	8.0	1115.3	440.1
	10.0	1909.1	1177
	12.5	3707.1	3571.2
	16.0	1091.5	1722.8
PESO TOTAL (kg)		Vol. concreto = 72.43 m³ Área formas = 445.68 m²	
CA50	7223.6		

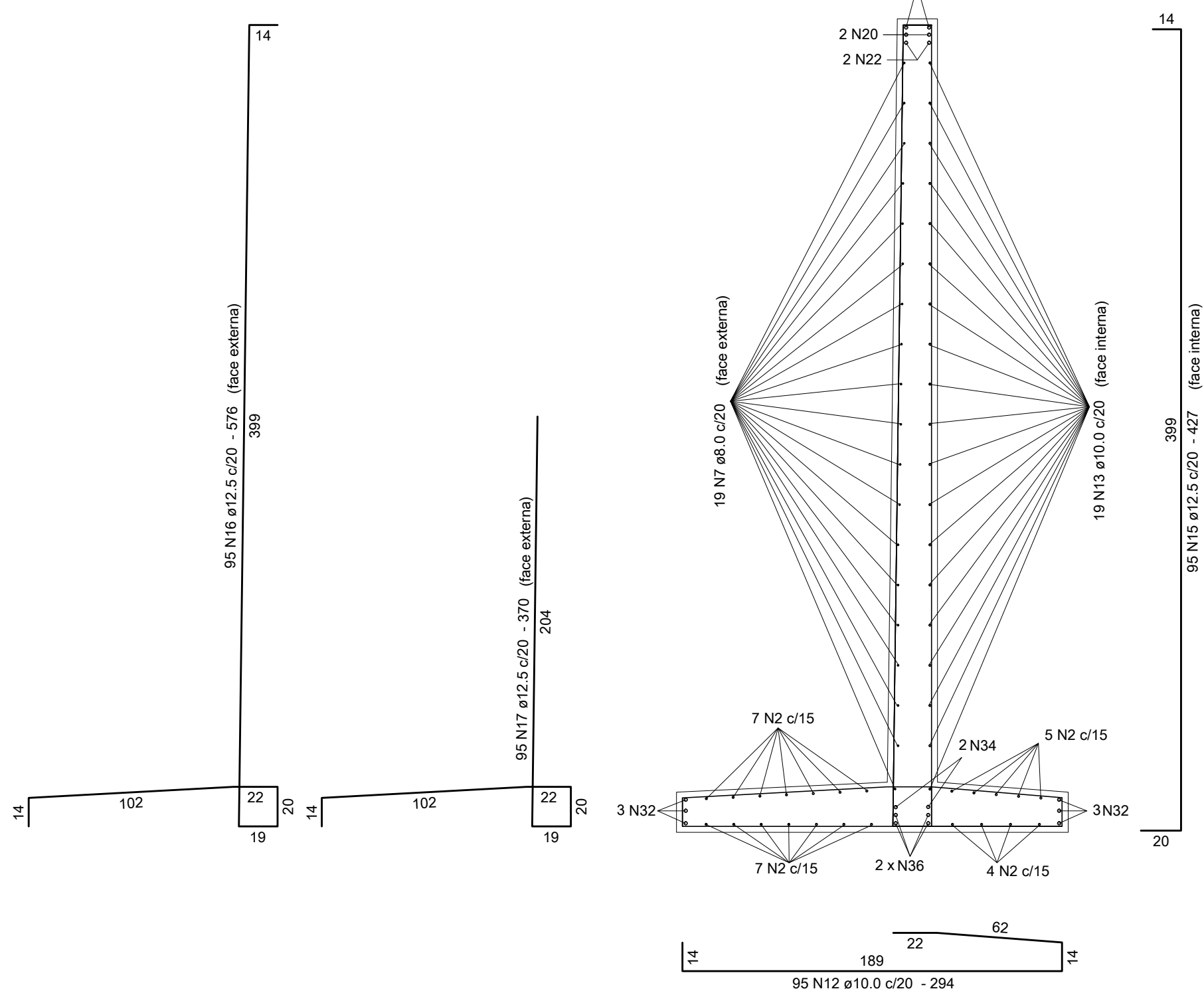
M2



M3

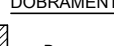


SEÇÃO A-A



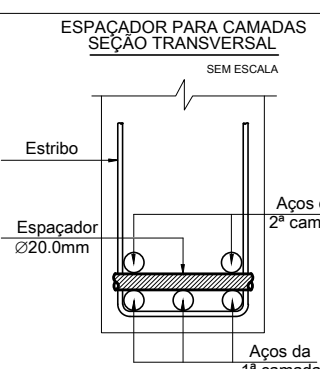
Anotações:

DIÂMETRO (D) DOS PINOS DE DOBRAMENTO PARA GANCHOS
SEM ESCALA



BITOLA (t)	CA50	CA60
<20mm	5xØ	6xØ
≥20mm	8xØ	—
estribo ≤10mm	3xØ	3xØ

NBR-6118:2003 (Itens 9.4.2.3 e 9.4.6.1)



Notas:

01 NBR6118:2007 – Classe de Agressividade Ambiental = II.
02 NBR6118:2007 – Concreto com $f_{ck}=25\text{MPa}$ – Aço CA-50.
03 NBR6118:2007 – Cobrimento para os muros, em todas as faces: 3,0cm.
04 Unidades: diâmetro do aço em milímetro; espaçamento e comprimento em centímetro;

[illegible]

	Proger Engenharia Ltda PROJETOS ESTRUTURAIS - CONSULTORIA - GERENCIAMENTO DIONÍSIO AUGUSTO AMARAL DE NEVES E SOUZA Engenheiro Civil – CREA-RJ 52.791-D MB/TAU – Professor		Rua. Vargas, 590 – grupo 1359 a 1311 Centro, Rio de Janeiro, RJ CEP:20.071-000 Tel./Fax:(21)24.32.0811/Cel:(21)99897.9477 dionisio@progerengenharia.com.br dionisio@progerengenharia.eng.br http://www.progerengenharia.com.br
	CLIENTE: PÁTIOMIX LINHARES SHOPPING CENTER SPE S.A.		DESENHO: 407_arn03_01_0.dwg
OBRA:	SHOPPING PÁTIOMIX LINHARES Linhares – ES		ESCALA: seções: 1:25 muros: 1:100
PROJETO ESTRUTURAL PAREDES ESTRUTURAIS (MUROS DE CONTENÇÃO) = 01/10			DATA – REVISÃO: 28/05/12 – RO
PROJETO E407			PROJETO: E407
ARMADURAÇÕES			ARMOS-01