

Technical drawing of a bridge deck cross-section showing reinforcement details. The drawing includes a plan view at the top with reinforcement bars (N26, N39, N38, N26) and dimensions (1104, 110, 340, 525). Below this is a longitudinal section view showing the deck profile, reinforcement bars (N31, N14, N5, N4), and dimensions (669, 719, 814). The drawing also includes a section A-A view showing the deck profile and reinforcement bars (N31, N14, N5, N4). The drawing is labeled with 'P104(J)', 'P105', 'P106', 'P107', 'P108', 'P109', and 'P110'.

[illegible][illegible]

The drawing consists of two main parts: an elevation view at the top and a section view at the bottom.

Elevation View (Top): Shows the facade of the building. The central vertical axis is labeled with structural elements: 2 N26, 2 N30, 2 N29, and 2 N28. The facade is divided into two main sections: "19 N3 ø8.0 c/20 (face externa)" on the left and "19 N3 ø10.0 c/20 (face interna)" on the right. The building is flanked by two vertical walls, each labeled "213 N14 ø10.0 c/20 - 573 (face externa)" on the left and "213 N31 ø15.0 c/20 - 426 (face interna)" on the right. The total height of the building is indicated as 399. The facade is supported by a base structure labeled "3 N32" and "3 N32". The base is further detailed with "7 N1 c/15", "2 x 2 N28", "4 N1 c/15", and "5 N1 c/15".

Section View (Bottom): Shows a cross-section of the building. The total width is 189. The section is divided into three main parts: "213 N4 ø8.0 c/20 - 214" (width 102), "213 N5 ø8.0 c/20 - 213" (width 62), and a central section (width 25). The section is supported by a base structure labeled "7 N1 c/15" and "2 x 2 N28". The total width of the section is 189.

M6, M7.						
AÇO	N	DIAM	Q	UNIT (cmr)	C.TOTAL (cm)	
CA50	1	6,3	23	CORR		101361
	2	6,3	23	CORR		47012
	3	8,0	19		875	16625
	4	8,0	310	214		66340
	5	8,0	310	213		66030
	6	8,0	19		835	15865
	7	8,0	19		910	17290
	8	8,0	38	880		33440
	9	8,0	19		425	8075
	10	8,0	19		900	17100
	11	11,0	8,0	1	855	16625
	12	8,0	19		445	8455
	13	10,0	19		875	16625
	14	10,0	310	573		177630
	15	10,0	19		835	15865
	16	10,0	19		910	17290
	17	10,0	19		880	33440
	18	10,0	19		425	8075
	19	10,0	19		900	17100
	20	10,0	19		855	16245
	21	10,0	19	445		8455
	22	16,0	2	765		1530
	23	16,0	2	815		1630
	24	16,0	2	910		1820
25	16,0	2	470		940	
26	16,0	12	1200		14400	
27	16,0	6	508		3048	
28	16,0	8	945		6780	
29	16,0	2	665		1330	
30	16,0	2	870		1740	
31	16,0	310	426		132060	
32	16,0	6	CORR		26442	
33	16,0	2	710		1420	
34	16,0	4	870		2680	
35	16,0	4	870		3480	
36	16,0	4	850		3400	
37	16,0	8	600		4800	
38	16,0	8	725		5800	
39	16,0	6	1200		7200	
40	16,0	6	415		2490	
41	16,0	4	1150		4600	
42	16,0	4	805		3220	
43	16,0	4	985		3940	
44	16,0	2	600		1200	
45	16,0	6	CORR		1290	
46	16,0	2	660		1320	
47	16,0	2	935		3740	

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	1483.8	363.1
	8.0	2654.7	1047.5
	10.0	3107.3	1915.7
	16.0	2532.6	3997.2
PESO TOTAL (kg)		Vol. concreto = 84.02 m³ Área formas = 517.04 m²	
CA50	7323.5		

DIÂMETRO (D) DOS PINOS DE DORMANTES PARA GANCHOS

SEM ESCALA

ESPAÇADOR PARA CAMADAS SEÇÃO TRANSVERSAL

SEM ESCALA

BITOLA (Ø)	CA50	CA60
<20mm	5xØ	6xØ
≥20mm	8xØ	—
estirbo ≤10mm	3xØ	3xØ
estirbo ≥12mm	3xØ	3xØ

NBR-6118:2003 (Itens 4.2.3 e 9.4.6.1)

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;

00	28/05/12	Emissão inicial.
REVISÃO	DATA	MODIFICAÇÕES

	Proger Engenharia Ltda		Av. Pres. Vargas, 590 – grupo 1309 a 1311 Centro, Rio de Janeiro, RJ CEP:20.071-000 Tel./Fax:(21)2432.0811 / Cel. (21)9987.9477 dionisio@progerengenharia.com.br dionisio@dionisio.eng.br http://www.progerengenharia.com.br	
	PROJETOS ESTRUTURAIS – CONSULTORIA - GERENCIAMENTO DIONÍSIO AUGUSTO AMARAL DE NEVES E SOUZA Engenheiro Civil – CREA-RJ 52.791-D MD/PAU – CREA – Professor			
CLIENTE:	PÁTIOMIX LINHARES SHOPPING CENTER SPE S.A.			
OBRA:	SHOPPING PÁTIOMIX LINHARES Linhares – ES		DESENHO:	407_arm03_03_r.dwg
			ESCALA:	seções: 1:25 muros: 1:100
			DATA – REVISÃO:	28/05/12 – 00
PROJETO ESTRUTURAL	PROJETO:			
	PAREDES ESTRUTURAIS (MUROS DE CONTENÇÃO) – 03/10		E407	
			ARMAÇÕES	ARMOS-03