

Technical drawing of a rectangular plate with the following specifications:

- Top Edge:** 2 N4 $\varnothing 8.0$ C=327 (Total width 304)
- Left Edge:** 1 N3 $\varnothing 8.0$ C=104 (Total height 24)
- Internal Dimensions:**
 - Top hole offset: 102
 - Distance between hole centers: 349
 - Distance from top edge to first hole center: 40
 - Distance between hole centers: 251
 - Distance from second hole center to right edge: 20
- Bottom Edge:** 2 N2 $\varnothing 8.0$ C=306 (Total width 304)
- Bottom Hole Specifications:**
 - Distance from bottom edge to hole center: 15 x 40
 - Distance between hole centers: 251
 - Distance from hole center to right edge: 12 N1 c/21
- Other Labels:** P107, L_A, P102, 12

SEÇÃO A-A
ESC.: 1:25

Technical drawing of a vertical rectangular component. The overall height is 40 and the overall width is 15. A section line is shown on the left side. The component has a central rectangular hole with a height of 33 and a width of 8.

N1 $\varnothing 5.0$ C=94

Technical drawing of a 3D printed part. The drawing includes a top view, a side view, and a detail view of a hole. Dimensions and tolerances are as follows:

- Top View:**
 - Overall width: 175
 - Overall height: 182
 - Inner width: 140
 - Inner height: 140
 - Distance from left edge to inner width start: 40
 - Distance from inner width end to right edge: 50
 - Distance from top edge to inner height start: 33
 - Distance from inner height end to bottom edge: 31
 - Inner width tolerance: ± 0.1
 - Inner height tolerance: ± 0.1
 - Inner width label: 9 N1 c/21
 - Inner height label: 9 N1 c/21
- Side View:**
 - Overall height: 40
 - Inner height: 14
 - Inner width: 140
 - Inner height label: 9 N1 c/21
- Detail View:**
 - Hole diameter: $\varnothing 2.5$
 - Hole depth: 33
 - Hole diameter tolerance: ± 0.05
 - Hole depth tolerance: ± 0.05

Technical drawing of a reinforced concrete beam (L_A) showing reinforcement details. The drawing includes a top view and a side view.

Top View:

- Overall length: 484
- Reinforcement bars: 2 N6 ø8.0 C=484 (top), 1 N4 ø8.0 C=113 (left), 1 N5 ø8.0 C=133 (right), 1 N2 ø8.0 C=108 (bottom).
- Dimensions: 111, 349, 131, 30, 431, 15 x 40, 21 N1 c/21, 53, 7, 21, 484.
- Labels: 1ø2 Germ., P122, L_A, P117.

Side View:

- Height: 40
- Width: 15
- Reinforcement bar: 1 N1 ø5.0 C=94
- Labels: 33, 8

Section Label: SEÇÃO A-A
ESC.: 1:25

2 N3 ø8.0 C=552

24

523

349

V103

L_A

P106

P101

219

40

246

15 x 40

204

246

10 N1 c/21

12 N1 c/21

523

2 N2 ø8.0 C=525

22

Technical drawing of a rectangular plate. The top view shows a rectangle with a height of 40 and a width of 15. The side view shows a rectangle with a height of 33 and a width of 8. The plate is labeled with 'N1' and 'ø5.0' on the left, and 'C=94' on the right.

[illegible]

N1 ø5.0 C=114

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V110	CA60	1	5.0	79	94	7426
	CA50	2	8.0	2	685	1370
	CA50	3	8.0	2	317	634
	CA50	4	8.0	2	1046	2092
	CA50	5	8.0	1	124	124
	CA50	6	8.0	2	159	318
	CA50	7	10.0	2	519	1038
	CA50	8	16.0	1	264	264
	CA50	9	16.0	1	249	249
	CA50	10	16.0	2	1049	2098
V111	CA60	1	5.0	22	94	2068
	CA50	2	8.0	2	525	1050
	CA50	3	8.0	2	552	1104
V112	CA60	1	5.0	12	94	1128
	CA50	2	8.0	2	306	612
	CA50	3	8.0	1	104	104
V113	CA50	4	8.0	2	327	654
	CA60	1	5.0	9	92	828
	CA50	2	8.0	3	207	621
V114	CA50	3	12.5	2	203	406
	CA60	1	5.0	21	94	1974
	CA50	2	8.0	1	108	108
V115	CA50	3	8.0	2	493	986
	CA50	4	8.0	1	113	113
	CA50	5	8.0	1	133	133
	CA50	6	8.0	2	486	972
	CA60	1	5.0	153	114	17442
	CA50	2	6.3	2	247	494
	CA50	3	6.3	2	204	408
	CA50	4	6.3	2	630	1260
	CA50	5	6.3	1	84	84
	CA50	6	6.3	1	124	124
	CA50	7	6.3	2	140	280
	CA50	8	8.0	4	536	2144
	CA50	9	8.0	2	287	574
	CA50	10	8.0	2	1035	2070
	CA50	11	8.0	2	298	596
	CA50	12	8.0	2	463	926
	CA50	13	10.0	2	446	892
CA50	14	10.0	2	271	542	
CA50	15	10.0	2	371	742	
CA50	16	20.0	1	284	284	
CA50	17	20.0	1	1194	1194	
CA50	18	20.0	1	1097	1097	
CA50	19	20.0	1	1078	1078	
CA50	20	20.0	1	1096	1096	
CA50	21	20.0	1	214	214	

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	6.3	26.5	6.5
	8.0	173.1	68.3
	10.0	32.2	19.8
	12.5	4.1	3.9
	16.0	26.2	41.2
	20.0	49.7	122.4
CA60	5.0	308.7	47.6
PESO TOTAL (kg)			
CA50	262.1		
CA60	47.6		

Volume de concreto (C-30) = 3.9 m³
Área de forma = 60.86 m²

CRENCAL

05	DO/MI/AAAA	Retirada de pendência
04	DO/MI/AAAA	Retirada de pendência
03	DO/MI/AAAA	Retirada de pendência
02	DO/MI/AAAA	Retirada de pendência
01	08/01/2015	Emissão Inicial
Revisão:	Data:	Descrição:



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Obra: **Reforma/Ampliação - MercadoMunicipal São Gonçalo do Amarante**

Cliente: Prefeitura de São Gonçalo do Amarante	Projeto: Estrutura em Concreto Armado
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Identificação dos desenhos:
MERCADO SGA - EDIFÍCIO ANEXO
VIGAS 1º PAVIMENTO (PARTE 2/5)

Prancha

Desenho: CRISTIANE	Escala: Indicada	Data: NOVEMBRO/15	Local: São Gonçalo do Amarante / CE
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