

Technical drawing of a rectangular plate with two circular holes. The drawing includes dimensions for the plate (310x100), holes (ø8.0), and various offsets (N3, N4, N5, A, B, C).

Dimensions and offsets:

- Plate width: 310
- Plate height: 100
- Hole diameter: ø8.0
- Offset N3: 30
- Offset N4: 6.3
- Offset N5: 30
- Offset A: 10
- Offset B: 105
- Offset C: 796

The drawing shows the plate with two circular holes, each with a diameter of ø8.0. The holes are positioned symmetrically along the width of the plate. The offsets N3, N4, N5, A, B, and C define the positions of the holes and the plate edges relative to a reference point.

Technical drawing of a reinforced concrete slab, showing two cross-sections and two plan views.

Left Cross-Section:

- Overall width: 299
- Overall height: 155
- Top reinforcement: 5 N6 ϕ 8.0 c/18 C=313
- Bottom reinforcement: 10 N4 c/10
- Vertical dimensions: 115 (total height), 100 (height to top reinforcement), 10 (height to bottom reinforcement).
- Level markers: 0 (top), -40 (bottom reinforcement level).
- Supports: Two rectangular supports at the base.
- Labels: N6 (top reinforcement), N7 (bottom reinforcement), CA: -140 (bottom reinforcement level).

Right Cross-Section:

- Overall width: 89
- Overall height: 155
- Top reinforcement: 13 N3 ϕ 5.0 c/25 C=371
- Bottom reinforcement: 9 N7 ϕ 12.5 c/8 C=475
- Vertical dimensions: 115 (total height), 100 (height to top reinforcement), 10 (height to bottom reinforcement).
- Level markers: 0 (top), -40 (bottom reinforcement level).
- Supports: Two rectangular supports at the base.
- Labels: N6 (top reinforcement), N3 (top reinforcement), N7 (bottom reinforcement), CA: -140 (bottom reinforcement level).

Left Plan View:

- Overall width: 299
- Overall height: 155
- Labels: 91 (left side), 91 (right side).

Right Plan View:

- Overall width: 89
- Overall height: 155
- Labels: 91 (left side), 91 (right side).

Technical drawing of a rectangular component. The drawing includes a top view and a side view. The top view is a rectangle with a width of 89 and a height of 91. The side view is a rectangle with a height of 91. The component is labeled with N3, N6, and N7. The drawing is titled "13 N3 ø5.0 c/25 C=371".

Technical drawing of a reinforced concrete wall section, showing a plan view (VISTA B) and a section view (SEÇÃO ESC. 1:20).

Plan View (VISTA B):

- Overall width: 25
- Overall height: 50
- Central channel width: 19
- Channel height: 44
- Reinforcement bars: 2x11 N1 ø5.0 C=94, 3x11 N2 ø5.0 C=34

Section View (SEÇÃO ESC. 1:20):

- Wall thickness: 20
- Channel height: 135
- Channel width: 14.38 (ø10.0 C=205)
- Channel depth: 140
- Reinforcement bars: N2

Technical drawing showing the foundation and section of the structure.

Foundation Plan View (VISTA B):

- Dimensions: 25 (width) and 50 (length).
- Reinforcement: 2x11 N1 ø5.0 C=94 and 3x11 N2 ø5.0 C=34.

Section View (SEÇÃO ESC 1:20):

- Foundation height: 19.
- Structure height: 121.
- Total height: 140.
- Reinforcement: 14 N3 ø10.0 C=205.

B1		B2			
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	44	94	4136
	2	5.0	66	34	2244
	3	5.0	26	371	9646
CA50	4	6.3	17	796	13532
	5	8.0	4	355	1420
	6	8.0	10	313	3130
	7	12.5	9	475	4275
	8	16.0	28	205	5740
	9	16.0	6	474	2844

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	135.4	36.4
	8.0	45.5	19.7
	12.5	42.8	45.3
	16.0	85.9	149
CA60	5.0	160.3	27.2
PESO TOTAL (kg)			
CA50	250.5		
CA60	27.2		

Volume de concreto (C-30) = 7 m³
Área de forma = 20.06 m²

Revisões da prancha			
00	EMISSÃO INICIAL	MSV	01/11/2024
Nº	Comentário	Autor	Data

PAS PROJETOS	OBRA: CONSTRUÇÃO DA EMEF VITAL LUCAS - CASTELO D'AGUA		
	ENDEREÇO: R. ALEXANDRE COSTA PEÇANHA, S/Nº - AÇO JOSÉ		
	RESPONSÁVEL TÉCNICO: ALEXANDRE GONÇALVES MANSUR ZAINE 05447525784 <small>Análise de projeto digital por ALEXANDRE GONÇALVES MANSUR ZAINE 05447525784</small>		
	CREA: 043313/D		
	PRONCHA: Alexandres		
	PAVIMENTO: Fundação UNIDADE: CASTELO D'AGUA CONJUNTO: 02		
PROPRIETÁRIO: PREFEITURA MUNICIPAL DE RIO NOVO DO SUL			
DESENHO: PAS PROJETOS DATA: 01/11/2024 FOLHA: 1 / 1			



INFORMAÇÕES DO DOCUMENTO

Documento capturado em 06/03/2025 07:59:34 (HORÁRIO DE BRASÍLIA - UTC-3)
por PAULO CESAR DO AMARAL CONTAIFER (SECRETÁRIO MUNICIPAL - SETGAB - SEMPLAN - PMRNS)
Valor Legal: CÓPIA SIMPLES | Natureza: DOCUMENTO NATO-DIGITAL

A disponibilidade do documento pode ser conferida pelo link: <https://e-docs.es.gov.br/d/2025-0L9QBP>