

Technical drawing of a reinforced concrete slab (Laje) showing plan and section views.

Plan View:

- Overall dimensions: 373 cm (width) x 203 cm (length).
- Column locations: N2 - 2ø8.0 (circular columns), N1 - 2ø12.5, N3 - 2ø12.5 C=90, N4 - 2ø12.5 C=125, N5 - 2ø10.8 C=139 (rectangular columns).
- Reinforcement details: ø5.0 (top bars), ø5.0c/15cm (bottom bars).

Section Views:

- Section A-A:** Shows the slab thickness of 15 cm and the reinforcement layout.
- Section B-B:** Shows the slab thickness of 15 cm and the reinforcement layout.

Technical drawing of a rectangular concrete slab with various reinforcement details. The main view shows a slab with overall dimensions 298x40 cm. It features two 128 cm long reinforcement bars (N2 - 2ø8.0) and two 100 cm long bars (N4 - (2x) 2ø12.5 C=125). The slab is supported by two 15 cm wide walls. Section A-A shows the slab thickness and the position of the reinforcement bars. Section B-B shows the slab width and the position of the reinforcement bars. The drawing also includes details for the reinforcement bars: N1 - 2ø12.5, N3 - (2x) 2ø12.5 C=90, N5 - (2x) 1ø8.0 C=139, N6 - ø5.0 C=196, and N7 - ø5.0 C=56.

Technical drawing of a reinforced concrete slab (LA) showing various cross-sections and dimensions.

Main Plan View:

- Overall width: 113
- Overall height: 40
- Central opening width: 50
- Reinforcement in central opening: $N2 - 2\phi 8.0$
- Reinforcement in walls: $3\phi 5.0$ and $5\phi 5.0c/3cm$

Section A-A:

- Overall height: 40
- Central opening height: 15

Section B-B:

- Overall height: 20
- Central opening height: 3

Other Sections:

- N1 - $2\phi 12.5$** : Cross-section of the slab at the bottom support.
- N3 - $(2x) 2\phi 12.5$ C=90**: Cross-section of the slab at the top support.
- N4 - $(2x) 2\phi 12.5$ C=125**: Cross-section of the slab at the top support.
- N7 - $\phi 5.0$ C=56**: Cross-section of the slab at the top support.

Technical drawing of a rectangular reinforced concrete slab (Laje) with dimensions and reinforcement details.

Main Dimensions:

- Overall Length: 453
- Overall Width: 40
- Clear Length: 283
- Clear Width: 15

Reinforcement Details:

- Top Reinforcement (N5):** (2x) 1ø8.0 C=139
- Bottom Reinforcement (N4):** (2x) 2ø12.5 C=125
- Edge Reinforcement (N3):** (2x) 2ø12.5 C=90
- Perimeter Reinforcement (N6):** ø5.0 C=196
- Internal Reinforcement (N7):** ø5.0 C=56

Other Details:

- Two circular holes (FURTO) are located along the length, each with a diameter of 5.0 cm and a spacing of 15 cm from the center.
- Reinforcement bars are labeled with diameters: 3ø5.0, 5ø5.0c/3cm, and 5ø5.0c/3cm.
- Section lines A-A and B-B are indicated.

Technical drawing of a rectangular steel structure, showing dimensions and section details.

Main Dimensions:

- Overall length: 488
- Overall width: 15
- Internal length: 318
- Internal width: 11
- End flange width: 9
- End flange thickness: 4
- End flange radius: R9
- End flange hole diameter: Ø5.0
- End flange hole offset: 3Ø5.0
- End flange hole offset: 5Ø5.0c/3cm
- End flange hole offset: 5Ø5.0c/3cm

Section Details:

- SEÇÃO A-A:** Shows a cross-section of the structure with dimensions 40 (height), 15 (width), and 11 (internal width).
- SEÇÃO B-B:** Shows a cross-section of the structure with dimensions 15 (height), 11 (width), and 11 (internal width).

Material and Welding:

- N2 - 2Ø8.0
- N5 - (2x) 1Ø8.0 C=139
- N4 - (2x) 2Ø12.5 C=125
- N3 - (2x) 2Ø12.5 C=90
- N1 - 3Ø12.5
- N6 - Ø5.0 C=196
- N7 - Ø5.0 C=50

[illegible]

Data: Dezembro/2021	Área: 1.065.44 m ²	Escala: Indicada	Desenho: Eng. Elisabete Pires
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