

Technical drawing of a rectangular plate with a hole. The overall dimensions are 19.0 (height) and 14.0 (width). The hole has a width of 8 and a height of 13. The distance from the left edge of the plate to the left edge of the hole is 12. The distance from the bottom edge of the plate to the bottom edge of the hole is 5.0. The total width of the plate is labeled as C=57.

Technical drawing of a bridge deck cross-section. The drawing shows a rectangular deck with a width of 814 cm (2 x 8.0 m). The deck is divided into three main sections: a central section of 820.0 cm and two side sections of 178.0 cm and 185.0 cm. The total width is 814 cm. The drawing also shows the reinforcement details, including top and bottom bars, and the spacing of the reinforcement (N1 c/15). The drawing is labeled with dimensions and reinforcement details.

Dimensions and Reinforcement Details:

- Overall Width: 814 cm (2 x 8.0 m)
- Top Reinforcement: 2 x 8.0 m, C=834
- Bottom Reinforcement: 2 x 8.0 m, C=814
- Section 1 (Left): 178.0 cm, 12 N1 c/15
- Section 2 (Middle): 185.0 cm, 12 N1 c/15
- Section 3 (Right): 372.0 cm, 25 N1 c/15
- Section 4 (Far Right): 20.0 cm
- Section 5 (Far Left): 25.0 cm
- Section 6 (Middle-Left): 20.0 cm
- Section 7 (Middle-Right): 20.0 cm

19.0

14.0

49 13 8 54

ø5.0 C=54

13 05.0 C=57

Technical drawing of a reinforced concrete slab (L_A) showing dimensions and reinforcement details. The drawing includes a plan view of the slab and a cross-section view. The plan view shows a rectangular slab with a total width of 200 and a total length of 211. The slab is supported by two walls, each 25 units wide. The distance between the walls is 172. The slab is reinforced with 2 bars of diameter 8.0 (2 ø8.0) and a concrete strength of C=220. The cross-section view shows the slab thickness of 10 and the reinforcement bars (ø8.0) with a concrete strength of C=200. The slab is labeled L_A and has a length of 13 c/15.

Technical drawing of a rectangular plate with a hole. The overall dimensions are 19.0 (height) and 14.0 (width). The hole has a height of 13 and a width of 8. The hole is positioned 13 units from the top edge and 8 units from the bottom edge. The hole is centered horizontally. The drawing shows the hole as a rectangle with a smaller rectangle inside it, representing the hole's profile. The dimensions are indicated by dimension lines and numerical values.

Technical drawing of a reinforced concrete slab cross-section. The drawing shows a rectangular slab with a width of 200 units and a height of 10 units. The top and bottom reinforcement are labeled "2 ø8.0 C=220". The slab is supported by two vertical walls, each 25 units thick. The distance between the inner faces of the walls is 172 units. The total length of the slab is 211 units. The distance from the centerline of the slab to the centerline of the walls is 13 units, with a note "c/15" below it. The slab is labeled "Γ A" and "L A".

SEÇÃO
ESC 1:30

14.0

24.0

8 19

SEÇÃO
ESC 1:30

14.0

24.0

19

8

Technical drawing of a reinforced concrete pile (PILA) showing longitudinal and cross-sectional views with reinforcement details.

Longitudinal View:

- BASE DA VIGA BALDRAME:** Indicated by a triangle symbol at the top of the pile.
- c = 3.0:** Dimension indicating the center-to-center spacing of the longitudinal bars.
- ARMADURA LONGITUDINAL:** 4 $\varnothing 5\text{mm}$ c/15 C=49. This refers to the longitudinal reinforcement bars.
- ARMADURA TRANSVERSAL - ESTRIBOS:** 4 $\varnothing 10\text{mm}$ C=100. This refers to the transverse reinforcement (stirrups).
- Dimensions:** The pile has a total length of 100 and a diameter of $\varnothing 20$.

Cross-sectional View:

- ARMADURA TRANSVERSAL - ESTRIBO:** Shows the transverse reinforcement (stirrup) in the circular cross-section.
- ARMADURA LONGITUDINAL:** Shows the longitudinal reinforcement bars in the circular cross-section.
- Dimensions:** The cross-section has an outer diameter of $\varnothing 20$ and an inner diameter of $\varnothing 12$.

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