

Technical drawing of a structural section A-A of a bridge deck. The drawing shows a cross-section with three main girders labeled (a), (b), and (c), each with a 14x50 reinforcement bar. The top reinforcement is labeled P121, P90, P88, and P76. The bottom reinforcement is labeled 21x1N305d23, 3N1Ø8 C=1083, 8x1N305d23, 16x1N305d23, and 45N305 C=118. The drawing includes dimensions for the overall width (521, 180, 367) and height (50, 14, 40, 9). A scale of 1:20 is indicated.

Technical drawing of a staircase (Escalera) showing a plan view and a section view (Corte A).

Plan View:

- Overall width: 134 (14 + 226 + 14)
- Overall depth: 254
- Top landing: 2N405 C=269
- Central opening: 14x40
- Bottom landing: 2N405 C=269
- Bottom landing width: 13x1n605c/18
- Overall depth including landings: 226

Section View (Corte A):

- Height: 40
- Width: 134 (14 + 120 + 14)
- Section: 13N605 C=98

Technical drawing of a staircase (Escalera) showing a plan view and a section view (Corte A).

Plan View:

- Overall width: 254
- Overall depth: 269
- Central landing area labeled 'a' with dimensions 14x40.
- Dimensions 2N900 and 13x1N905/1A are indicated at the bottom.

Section View (Corte A):

- Height: 40
- Width: 14
- Dimensions 13N905 and C=90 are indicated at the bottom.

Technical drawing showing a plan view and a cross-section (Corte A) of a rectangular structure.

Plan View (Left):

- Overall width: 180
- Overall height: 152
- Top and bottom horizontal dimensions: $2N1 \mid \varnothing 8 \ C=194$
- Bottom horizontal dimensions: $9 \times N1 \mid 225 \times 1/8$
- Central circular feature: $\varnothing 14 \times 40$
- Section line A-A is indicated.

Corte A (Right):

- Scale: Escala 1:20
- Section line A-A is indicated.
- Dimensions: 40 (height), 14 (width), 9 (width), 25 (height).
- Bottom horizontal dimension: $9N1 \mid \varnothing 5 \ C=98$

Technical drawing of a staircase showing a plan view and a section view (Corte A).

Plan View:

- Overall width: 157
- Overall depth: 201
- Central landing area: 14x40
- Dimensions: 2N1408 C=201

Section View (Corte A):

- Overall height: 40
- Overall width: 14
- Dimensions: 9N1505 C=96

Technical drawing of a reinforced concrete slab (Laje) showing top and side views. The top view includes dimensions, reinforcement details (e.g., 2N19Ø10 C=675, 1x4Ø40), and section markers (a, b, c, d). The side view shows the slab thickness (40 cm) and reinforcement layout. A scale of 1:20 is indicated.

V.10

247 347 297 237

P123 P99 P89 V.3

2N2300 C=945

1N2500 C=135 2ªcamada
70 60
1N2500 C=135
70 60

2N2400 C=290

(a) 14x40 (b) 14x40 (c) 14x40 (d) 14x40

A

32N2100 C=915 15x1N2605c/10 2N2200 C=265 12x1N2605c/10

13x1N2605c/10 226 320 20/20 267 10/10 213 14

40 14 32 9

50N2605 C=98

Corte A Escala 1:20

Technical drawing of a staircase showing a plan view and a section view.

Plan View:

- Overall width: 500
- Top landing width: 3N2Ø100 C=547
- Bottom landing width: 3N2Ø100 C=561
- Bottom landing width: 2N2Ø100 C=561 2ªcamada
- Bottom landing width: 22x1N3005cd/23
- Staircase width: 3N2Ø100 C=547
- Staircase width: 3N2Ø100 C=561
- Staircase width: 2N2Ø100 C=561 2ªcamada
- Staircase width: 22x1N3005cd/23
- Staircase width: 3N2Ø100 C=547
- Staircase width: 3N2Ø100 C=561
- Staircase width: 2N2Ø100 C=561 2ªcamada
- Staircase width: 22x1N3005cd/23

Section View (Corte A):

- Overall height: 50
- Staircase height: 45
- Staircase width: 14
- Staircase width: 9
- Staircase width: 22N3005 C=118

Technical drawing of a staircase section (Corte A) showing dimensions and components.

Dimensions:

- Overall width: 374
- Overall height: 35
- Stair width: 14
- Stair height: 40
- Stair depth: 9

Components:

- Top plate: P124
- Bottom plate: P100
- Stair stringer: 2N3200 C=369
- Stair tread: 14x40
- Stair riser: 18x113305 C=116
- Stair nosing: 18N3305 C=98

Section Line: A-A

Technical drawing of a staircase (Escala 1:20) showing a plan view and a section view (Corte A-A).

Plan View Dimensions:

- Total width: 528
- Total length: 468
- Dimensions for the treads (horizontal segments):
 - 1N4008 C=135 2ª camada
 - 2N3908 C=543
 - 1N3808 C=330
 - 2N3708 C=543
 - 2 x 1N4105 d23
- Dimensions for the risers (vertical segments):
 - 14x50

Section View (Corte A-A) Dimensions:

- Total height: 100
- Total width: 14
- Dimensions for the treads (horizontal segments):
 - 14x50
- Dimensions for the risers (vertical segments):
 - 14x50

Additional Labels:

- P101
- P87
- Corte A
- Escala 1:20
- 21N4105 C=118

DETALHAMENTO VIGAS BALDRAME

$$\frac{15}{15}$$