

Technical drawing of a reinforced concrete slab (P22) showing dimensions and reinforcement details.

Top View:

- Overall width: 185
- Overall length: 220
- Left edge reinforcement: 3 N2 ϕ 12.5 C=230
- Right edge reinforcement: 3 N3 ϕ 12.5 C=265
- Top edge reinforcement: 2 N1 ϕ 6.3 C=325
- Bottom edge reinforcement: 2 ϕ 16
- Internal reinforcement: 2x7 ϕ 6.3
- Dimensions: 143 (width of top reinforcement), 6.3 (width of internal reinforcement), 15 (width of bottom reinforcement)
- Angle: 20/97

Side View:

- Overall height: 92
- Reinforcement: 26 N5 ϕ 6.3 C=228

Bottom View:

- Overall width: 185
- Overall length: 220
- Reinforcement: 2x7 N6 ϕ 6.3 C=666
- Dimensions: 678 (width of reinforcement), 15 (width of reinforcement)

Structural drawing of a roof plan showing a complex layout of beams and columns. The drawing includes dimensions, beam specifications (e.g., 2 N1 Ø 5 C=270), and column specifications (e.g., 2 N3 Ø 16 C=600). The layout is divided into sections by dashed lines, and various structural details are indicated by symbols and notes.

Technical drawing of a 18 N3 C=133 profile. The drawing includes three views: a front view, a side view, and a detail view of the corner.

- Front View:** Shows a rectangular profile with a total width of 298 mm and a total height of 15 mm. The width is divided into two sections: 218 mm (N3) and 80 mm (C=330). The height is divided into two sections: 13 mm (N3) and 2 mm (C=330). A detail callout 'A' points to the corner.
- Side View:** Shows the profile's depth, which is 20 mm. The top and bottom edges are labeled with a diameter symbol and 5 mm (2 ∅ 5). The side edges are labeled with a diameter symbol and 10 mm (2 ∅ 10).
- Detail View:** A close-up of the corner, showing a 15 mm radius and a 45-degree angle.

RESUMO AÇO CA 50-60				
AÇO	BIT (mm)	COMPR (cm)	PESO (kg)	
60A	5	793	122	
50A	6,3	169	41	
50A	10	326	201	
50A	12,5	50	48	
50A	16	112	176	
Peso Total		60A =	122 kg	
Peso Total		50A =	467 kg	

Technical drawing of a bridge deck layout showing reinforcement details. The drawing includes a plan view at the top and a section view at the bottom.

Plan View (Top):

- Overall width: 200
- Reinforcement bars and dimensions:
 - 2 N1 ϕ 6.3 C=510
 - 2 N2 ϕ 16 C=585
 - 2 N3 ϕ 16 (1 ϕ 20cAM) C=255
 - 2 N4 ϕ 5 C=280
 - 2 N5 ϕ 16 C=650
 - 4 N6 ϕ 12.5 C=225
- Dimensions: 490, 363, 128, 103, 123, 20/50 (slope indicator).

Section View (Bottom):

- Overall width: 200
- Reinforcement bars and dimensions:
 - 2 ϕ 6.3
 - 2 ϕ 6.3
 - 3 ϕ 16
 - 4 ϕ 16
 - 4 ϕ 16
 - 2 ϕ 18
 - 4 ϕ 10
 - 3 ϕ 10
 - 2 ϕ 18
 - 2 ϕ 18
 - 2 ϕ 5
 - 4 ϕ 12.5
- Dimensions: 455, 685, 207, 69, 74, 575, 20/50 (slope indicator).
- Labels: V225, V228, V231, V233.

Technical drawing of a mechanical part, showing a side view and a cross-section A-A.

Side View Dimensions:

- Top flange: 130 (width), 2 N2 ϕ 10, C=160 (thickness).
- Distance between top flange and main body: 89.
- Main body: 2 N1 ϕ 5, C=295 (length).
- Bottom flange: 130 (width), 2 N2 ϕ 10, C=160 (thickness).
- Distance between bottom flange and main body: 105.
- Main body: 1 N4 ϕ 10, C=265 (length).
- Overall length: 502.
- Bottom flange: 2 N3 ϕ 10, C=530 (thickness).

Cross-section A-A Dimensions:

- Top flange: 20/50 (height).
- Main body: 45 (height).
- Bottom flange: 15 (height).
- Overall height: 80.

Section Labels:

- P44 (Left side of main body)
- P45 (Right side of main body)

Section A-A Label:

- Corte A (Section A)

[illegible]

Technical drawing of a structural section labeled "Corte A". The drawing shows a cross-section of a beam with a total width of 575 and a total height of 20. The top flange has a width of 200 and a thickness of 10, with a center-to-center distance of 575 between the inner edges of the flanges. The web has a height of 15 and a thickness of 10. The bottom flange has a width of 200 and a thickness of 10, with a center-to-center distance of 575 between the inner edges of the flanges. The drawing also shows a side view of the beam with a total length of 44 and a total height of 45. The side view shows a top flange with a width of 15 and a thickness of 10, and a web with a height of 15 and a thickness of 10. The bottom flange has a width of 15 and a thickness of 10. The drawing is labeled "Corte A" and "33 N3 Ø 5 C=133".

Technical drawing of a reinforced concrete slab (P506, P503, P502) showing top and side views with dimensions and reinforcement details.

Top View:

- Overall dimensions: 228 (width) x 212 (length).
- Reinforcement details:
 - Top: 2 N1 ϕ 10 C=270
 - Bottom: 2 N2 ϕ 12.5 C=475
 - Left edge: 2 ϕ 10
 - Right edge: 2 ϕ 10
 - Internal: 2 ϕ 12.5
 - Bottom edge (left): 1 N5 ϕ 10 C=305
 - Bottom edge (right): 1 N6 ϕ 10 C=245
 - Bottom edge (center): 2 N4 ϕ 10 C=785
- Section line A-A is indicated.

Side View (Corte A):

- Section A-A shows a cross-section of the slab.
- Dimensions: 45 (height), 15 (width), 47 (width).
- Reinforcement details:
 - Top: 2 N3 ϕ 10 C=215
 - Bottom: 2 N7 ϕ 5 C=135
- Vertical dimensions: 22 (height), 25 (height), 5 (height).

Technical drawing of a rectangular plate with dimensions and hole specifications. The drawing includes a top view and a side view.

Top View Dimensions:

- Overall width: 383
- Overall height: 41
- Distance from top edge to center of hole N1: 2
- Hole N1: $\phi 10$
- Center-to-center distance between N1 and N4: $C=465$
- Distance from center of hole N4 to bottom edge: 24
- Hole N4: $\phi 5$
- Distance from left edge to center of hole P501: 3
- Hole P501: $\phi 10$
- Distance from center of hole P501 to center of hole P505: 12
- Hole P505: $\phi 10$
- Distance from center of hole P505 to center of hole P502: 3
- Hole P502: $\phi 10$
- Distance from center of hole P502 to right edge: 10

Side View Dimensions:

- Overall height: 15
- Distance from top edge to center of hole N4: 14.5
- Hole N4: $\phi 5$
- Center-to-center distance between N4 and N1: $C=133$

Labels:

- P501
- P505
- P502
- P506


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| EXE | 00 | PROJETO EXECUTIVO - LICITAÇÃO OBRA | EFICÁCIA | 25/11/20 | |
| TIPO | REV | DESCRIÇÃO | DESENHO | | |
| REVISÕES | | | | | |
| MINISTÉRIO PÚBLICO DO ESTADO DE MINAS GERAIS
SEDE DAS PROMOTORIAS DE JUSTIÇA DA COMARCA DE RIBEIRÃO DAS NEVES | | | | | |
| ENDEREÇO:
RUA VERA LÚCIA DE OLIVEIRA ANDRADE, S/N,
BAIRRO VILA ESPLANADA, RIBEIRÃO DAS NEVES | | | ÁREA TERRENO:
3.235,71m ²

ÁREA CONSTRUÍDA:
3.915,46m ² | | |
| PROPRIETÁRIO:

PROCURADORIA GERAL DE JUSTIÇA DO ESTADO DE MINAS GERAIS | | | CNPJ:

20.971.057/0001-45 | | |
| PROJETO DE ESTRUTURA DE CONCRETO ARMADO | | | | | |
| EMPRESA:

<div style="display: flex; align-items: center;"> <div style="flex: 1;"> ENGENHEIRO FABRÍCIO SILVA LIMA
 CREA: 80.082/D-MG
 EFICÁCIA PROJETOS E CONSULTORIA LTDA
 RESPONSÁVEL TÉCNICO:

 NELSON URIAS PINTO GARIGLIO DA SILVA </div> <div style="flex: 1; text-align: center;">  </div> </div> | | | CNPJ:

06.301.115/0001-00 | | |
| | | | CREA:

82.624/D | | |
| CONTEÚDO:
ARMAÇÃO DE VIGAS 2o PAVIMENTO - 01/08

ARMAÇÃO VIGAS COBERTURA SUBESTAÇÃO - VS1 A VS4 | | | DATA:
25/11/20 | | FOLHA:
36/90 |
| | | | ESCALA:
INDICADA | | |