

Technical drawing of a rectangular plate with two circular holes. The drawing includes the following dimensions and labels:

- Overall width: 125
- Overall height: 50
- Hole diameter: 37.5
- Hole center-to-center distance: 117
- Hole offset from side: 37.5
- Hole offset from top/bottom: 15
- Hole offset from side (to center line): 12.5
- Plate thickness (from side view): 33
- Labels: N2 (front view), N5 (side view)
- Title block: 2 N2 ø5.0 C=180, 5 N4 ø5.0 C=333

6 N5 ø5.0 c/25 C=161

TÉRREO - L1

SEÇÃO
ESC 1:20

14
30

26
10

7 N1 e5.0 C=83

15
38
2 N16 e10.0 C=133

65
20
4 N17 e10.0 C=133

77
80
7 N1 e12 C=255

Technical drawing of a rectangular plate with two circular holes. The drawing shows the front view with dimensions: overall width 125, overall height 50, hole diameter 37.5, hole center-to-center distance 117, and hole offset from the side 37.5. It also shows the side view with dimensions: overall width 118, overall height 43, and hole diameter 37.5. The drawing is labeled with 'N2' and 'N15'.

6 N5 ø5.0 c/25 C=16

[illegible]

Technical drawing of a square plate with a circular hole. The top view shows a square with side length 50 and a circular hole with diameter 50. The front view shows a square with side length 43. The drawing is labeled with dimensions and a note N10.

Technical drawing of a rectangular plate with the following dimensions and annotations:

- Overall width: 90
- Overall height: 50
- Inner width: 40
- Inner height: 5
- Top offset: 0.15
- Right offset: -0.25
- Bottom offset: CA: -0.
- Central rectangular area: 59 (width) x 33 (height)
- Material/Specification: 2 N10 ø5.0 C=195

TERREO - L1

SEÇÃO
ESC 1:20

40

12

8

36

65

N9

20

77

6 N17 ø10.0 C=133

6 N17 ø10.0 C=133

7 N8 ø10.0 C=98

7 N9 ø10.0 C=23

[illegible]

Technical drawing of a rectangular plate with the following dimensions and specifications:

- Overall width: 117
- Overall height: 90
- Top flange width: 6
- Top flange thickness: 4 N3 ø5.0 c/10 C=126
- Web height: 50
- Web thickness: 40
- Bottom flange width: 33
- Bottom flange thickness: 4 N15 ø8.0 c/8 C=179
- Top flange label: N3
- Web label: N15
- Bottom flange label: C
- Dimension lines: 0.1, -0.2

TERREO - L1

SEÇÃO
ESC 1:20

12

75

71

8

7 N12 ø10 C=169
2x7 N9 ø5 C=23

15

65

77

8 N17 ø10 C=133

20

80

7 N12 ø12 C=205

N9

90

0.15

N10

50

40

5 N

-0.25

CA - 0.

59

33

2 N10 ø5.0 C=195

TÉRREO - L1

SEÇÃO
ESC 1:20

19
19
7 N13 ø5.0 C=71
15
15
-65
15
77
80
20
4 N17 ø10.0 C=133
7 N13 c/12
FSC 1-25

Fig. 1

Technical drawing of a square column cross-section. The column has a side length of 42 cm. The reinforcement details are as follows:

- N3:** Top longitudinal reinforcement bar.
- N5:** Bottom longitudinal reinforcement bar.
- N19:** Vertical stirrup reinforcement.

Dimensions and specifications:

- Column side length: 42
- Stirrup side length: 33
- Reinforcement: 6 N5 ϕ 5.0 c/25 C=16

TÉRREO - L1

**SEÇÃO
ESC 1:20**

15
77
80
15
65
20

7 N13 ø10.0 C=13
7 N13 ø12

Technical drawing of a rectangular plate with two circular holes. The drawing shows a top view and a side view.

Top View Dimensions:

- Overall width: 125
- Overall height: 50
- Distance between hole centers: 117
- Distance from left edge to hole center: 37.5
- Distance from hole center to right edge: 37.5
- Hole diameter: $\varnothing 33$
- Label: 2 N2 $\varnothing 5.0$ C=180

Side View Dimensions:

- Overall width: 118
- Overall height: 43
- Label: 5 N4 $\varnothing 5.0$ C=333

Technical drawing of a rectangular plate with dimensions and tolerances:

- Overall width: 117
- Overall height: 90
- Top flange width: 6
- Top flange thickness: 4 N3 $\phi 5.0$ c/10 C=126
- Central body width: 117
- Central body height: 50
- Bottom flange width: 33
- Bottom flange thickness: 4 N19 $\phi 10.0$ c/8 C=178
- Top flange hole diameter: $\phi 5.0$
- Top flange hole position: c/10
- Top flange hole count: C=126
- Central body hole diameter: $\phi 10.0$
- Central body hole position: c/8
- Central body hole count: C=178
- Top flange hole tolerance: ± 0.15
- Central body hole tolerance: ± 0.25
- Top flange hole label: N3
- Central body hole label: N19

Technical drawing of a cross-section of a bolted joint. The drawing shows a bolt (N3) passing through a plate (N5) and a nut (N19). The plate has a thickness of 6 N5 ø5.0 c/25. The nut has a height of 33. The bolt has a diameter of 42. The drawing is labeled with dimensions and part numbers.

TERREO - L1

SEÇÃO
ESC 1:20

19

30

15

26

65

77

80

20

15

7 N14 ϕ 5.0 C=93

4 N17 ϕ 10.0 C=133

7 N14 c/12

ESC 1:25

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	14	83	1162
	2	5.0	14	180	2520
	3	5.0	28	126	3528
	4	5.0	35	333	11655
	5	5.0	42	161	6762
	6	5.0	16	103	1648
	7	5.0	16	25	400
	8	5.0	14	99	1386
	9	5.0	28	23	644
	10	5.0	8	195	1560
CA50	11	5.0	20	183	3660
	12	5.0	7	169	1183
	13	5.0	21	71	1491
	14	5.0	7	93	651
	15	8.0	20	179	3580
	16	10.0	4	75	300
	17	10.0	44	133	5852
	18	10.0	12	143	1716
	19	10.0	8	178	1424

Volume de concreto (C-25) = 2.83 m³
Área de forma = 20.87 m²

APROVAÇÃO



OBRA

CONSTRUÇÃO DO EMEI AQUARELA

LOCAL
RUA EUCLIDES LERIANO MEDEIROS ESQUINA COM RUA ILMA MESTRE OLIVEIRA, SN,
RESIDENCIAL ALVORADA, RIBAS DO RIO PARDO - MS

RESPONSÁVEL TÉCNICO P/ PROJETO
JACQUICELLE GOMES FEITOSA
CREA nº 63.733/MS

PREFEITO
JOÃO ALFREDO DANIEZE
CNPJ 03.501.541/0001-91

DISCIPLINA PROJETO DE ESTRUTURA DE CONCRETO ARMADO

CONTEÚDO

ARMAÇÃO BLOCOS DE FUNDAÇÃO PARTE 06

FOLHA

15/40

ESCALA

Como indicado

DATA	MAIO/2023
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CONVÊNIO

COORDENADAS 20°28'3.66"
53°46'4.43"