

[illegible]

ITEM	UNIDADE	QUANTIDADE
LASTRO	m ³	2,61
FORMA	m ²	49,91
CONCRETO	m ³	7,23
REVESTIMENTO	m ³	0,69

OBSERVAÇÕES:

- REVESTIMENTO DE CIMENTO E AREIA 1:3
- CONCRETO fck 20 MPa
- LASTRO SOB LAJE DE PEDRA DE MÁO

CORTE AA
ESCALA 1:25

Technical drawing of a roof section (CORTE AA) showing structural details and dimensions. The drawing includes a cross-section of a roof structure with various components labeled and dimensions specified.

Labels and Dimensions:

- VAR**: Vertical dimension, indicated on the left side.
- 180**: Horizontal dimension, indicated at the top left.
- N13**: Structural element, indicated at the top left.
- 20**: Horizontal dimension, indicated at the top left.
- N12**: Structural element, indicated on the left side.
- N3**: Structural element, indicated at the top left.
- N13**: Structural element, indicated at the top left.
- N5**: Structural element, indicated on the right side.
- N5 VAR**: Structural element, indicated on the right side.
- 70**: Horizontal dimension, indicated in the middle left.
- 14**: Horizontal dimension, indicated in the middle left.
- N12 - $\varnothing 8,0$ c/20 L=264**: Structural element, indicated in the middle left.
- CORTE AA**: Section line, indicated in the middle left.
- ESCALA 1:25**: Scale, indicated in the middle left.
- N5**: Structural element, indicated on the right side.
- N5 VAR**: Structural element, indicated on the right side.
- N26 - $\varnothing 8,0$ L=VAR**: Structural element, indicated at the bottom left.
- VAR**: Vertical dimension, indicated at the bottom left.
- 100**: Horizontal dimension, indicated at the bottom left.
- 40**: Horizontal dimension, indicated at the bottom left.

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Technical drawing of a structural section (Corte AA) of a reinforced concrete frame. The drawing shows a horizontal beam and a vertical column. The beam has a total width of 1.90m, with 0.20m of concrete on each side of the central reinforcement. The column has a width of 0.20m. The concrete is labeled "CONCRETO $F_{ck} = 20 \text{ MPa}$ ". The reinforcement is shown with circles and dots. The section is labeled "Corte AA" and "BERÇO". The drawing includes dimensions for width, height, and reinforcement placement.

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Technical drawing of a cross-section of a reinforced concrete slab and column. The drawing shows a horizontal slab with a vertical column. Reinforcement bars are labeled: N14 (top slab bars), N15 (bottom slab bars), N16 (column bars), and N17 (column bars). Dimensions are given: N14 - 2 ø12,5 L=882; N16 6 ø6,3 L=802; N15 - 2 ø12,5 L=882; N17 - ø6,3 c/20 L=260. Vertical dimensions on the right indicate a total height of 40 for the slab and 40 for the column. Horizontal dimensions at the bottom indicate a total width of 12 for the column and 75 for the slab. A vertical dimension of 74 is shown for the column height, and a horizontal dimension of 13 is shown for the slab width.

The drawing consists of two parts: a plan view of the box body and a plan view of the lid.

PLANTA BAIXA (Left): This view shows the top of the box body. The overall width is 1,90. The distance from the left edge to the start of the main body is 0,20. The main body has a width of 1,50. The distance from the end of the main body to the right edge is 0,20. The drawing shows a central rectangular area with a smaller rectangle inside it. There are two sections labeled 'BERÇO' (Berth) on the left and right sides. A section line 'A-A' is indicated on the left side.

TAMPA DA CAIXA (Right): This view shows the top of the lid. The overall width is labeled 'b'. The overall height is 1,90. The lid is divided into two main sections: 'N2' on the left and 'N1' on the right. A section line 'A-A' is indicated on the right side.

Dimensions:

- Overall width: 1,90
- Distance from left edge to start of main body: 0,20
- Main body width: 1,50
- Distance from end of main body to right edge: 0,20
- Overall height of lid: 1,90

Labels:

- BERÇO (Berth)
- N2
- N1

Section Lines:

- A-A

Scale: Esc. 1/25

ENCHIMENTO CONCRETO
Fck = 20 MPa

CORTE BB

Esc. 1/25

CAIXA DE LIGAÇÃO E PASSAGEM						
DIMENSÃO				QUANTIDADES		
a	b	h	H	FORMAS (m²)	AÇO (kg)	CONCRETO (m³)
CAIXA SEM DISPOSITIVO INTERNO DE QUEDA						
20	100	80	80	11,93	4,1	1,410
20	100	80	80	11,93	4,1	1,350
25	130	100	100	15,71	6,0	1,940
25	150	130	130	20,57	8,0	2,440
25	170	150	150	24,65	11,6	2,820
25	180	180	180	32,70	16,2	3,410

TABELA DE ARMADURA DA TAMPA DE CAIXA DE LIGAÇÃO E PASSAGEM								
Ø	N1				N2			
	QUANT.	DIAM.	COMP.	ESPAÇ.	QUANT.	DIAM.	COMP.	ESPAÇ.
40	11	6,3	95	20	8	4,0	185	15
60	11	6,3	95	20	8	4,0	185	15
80	11	6,3	125	20	14	4,0	185	10
100	14	6,3	145	15	16	4,0	185	10
120	17	6,3	165	12,5	10	6,3	185	10
150	17	6,3	195	12,5	17	6,3	185	12,5

		<h1 style="text-align: center;">PREFEITURA MUNICIPAL DE ITAJAÍ</h1> <h2 style="text-align: center;">SECRETARIA DE OBRAS E SERVIÇOS MUNICIPAIS</h2>	
OBJETO DE DRENAGEM		REFERÊNCIA	
DESCRIÇÃO DE GALERIA PLUVIAL NAS RUAS DA BACIA DO RIO BONITO		DETALHES CONSTRUTIVOS	
AS DA BACIA DO RIO BONITO – BAIRRO SÃO VICENTE – ITAJAÍ – SC		DATA 03/2018	DOCUMENTO INDICADA
PROPOSTA DE PROJETO DE DRENAGEM		DESENHO SEOSEM	FOLHA 02/03
DEPARTAMENTO DE ENGENHARIA DA SECRETARIA DE OBRAS		FOLHA Nº A1	