

[illegible]

Technical drawing of a rectangular frame. The top view shows a rectangle with a smaller rectangle inside, representing a frame with a central opening. The outer rectangle has a width of 25 and a height of 45. The inner rectangle has a width of 20 and a height of 40. The frame is made of two pieces, N23, which are joined at the corners. The bottom view shows the same rectangle with dimensions 25 and 45. A detail view shows a corner joint with a screw and a washer, labeled N2.

Technical drawing of a mechanical part, likely a bracket or support, showing a side view and a top view.

**Side View Dimensions:**

- Top horizontal dimension: 1x20mm
- Top horizontal dimension: 29.5
- Vertical dimension: 20
- Bottom horizontal dimension: 13
- Bottom horizontal dimension: 44
- Bottom horizontal dimension: 42
- Bottom horizontal dimension: 28
- Bottom horizontal dimension: 31
- Bottom horizontal dimension: 42

**Top View Dimensions:**

- Top horizontal dimension: 5
- Top horizontal dimension: 15
- Bottom horizontal dimension: 15
- Bottom horizontal dimension: 42

**Labels:**

- E30 125
- VAR
- VAR

Technical drawing of a mechanical assembly, showing a cross-section of a component with various dimensions and part numbers. The drawing includes a central section labeled "DE 1-2" and "ES 1-2". Dimensions are provided in millimeters (mm) and inches (in). Part numbers are listed for various components, including 2 N5 #6 x 1/10 C-172, 2 N6 #5 x 3/10 C-74, 3 N12 #10 x 0 C-162, 3 N12 #10 x 0 C-162, 3 N13 #10 x 0 C-52, 3 N14 #10 x 0 C-55, 2 N5 #6 x 1/10 C-172, 2 N7 #6 x 1/10 C-40, and 3 N14 #10 x 0 C-55. The drawing also shows a central section labeled "DE 1-2" and "ES 1-2". Dimensions are provided in millimeters (mm) and inches (in). Part numbers are listed for various components, including 2 N5 #6 x 1/10 C-172, 2 N6 #5 x 3/10 C-74, 3 N12 #10 x 0 C-162, 3 N12 #10 x 0 C-162, 3 N13 #10 x 0 C-52, 3 N14 #10 x 0 C-55, 2 N5 #6 x 1/10 C-172, 2 N7 #6 x 1/10 C-40, and 3 N14 #10 x 0 C-55.

Technical drawing of a mechanical part. The part has a total height of 50 and a total width of 20. The top section is a rectangle with a height of 25 and a width of 10. The bottom section is a semi-circular feature with a radius of 10. The part is labeled with a circled 'Z' and a circled '36'. The dimensions are indicated by arrows and numbers. The part is shown in a cross-sectional view with a dashed line indicating the center of the semi-circular feature.

Technical drawing of a mechanical part with dimensions and tolerances. The part is a rectangular block with a total width of 30 and a total height of 70. The top surface is flat. The bottom surface has a central rectangular cutout with a width of 10 and a height of 10. The cutout is centered horizontally. The part has two circular holes, one on the left and one on the right, each with a diameter of 12mm. The holes are positioned 15 units from the top and bottom edges. The distance between the centers of the two holes is 20 units. The part is shown in a perspective view with a dashed line indicating the hidden part of the bottom edge. The drawing includes dimension lines and numerical values for all dimensions and tolerances.

Dimensions and Tolerances:

- Top surface: 10, 20, 10, 15
- Left side: 20, 15, 20, 15, 20, 15
- Right side: 12mm, 12mm
- Bottom surface: 20, 10, 20, 30
- Internal features: 1x20mm, 1x20mm
- Centering: 10, 10
- Positioning: 15, 15

Relação das alças de içamento			
Qtde.	Aço	ø (mm)	C. Anc. (cm)
4	ASTM A36	12,5	27
			98

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	199.5	53.7
	10.0	27.3	18.5
	16.0	17.1	29.7
	20.0	69.6	188.8
PESO TOTAL (kg)			
CA50	290.7		

## Halla | arquitetura

**CONSTRUÇÃO INSTITUCIONAL EM ALVENARIA - GINÁSIO ESCOLAR**  
Rodovia Estadual - SC, 416 - São Roque  
Timbó - SC

<b>Proprietário:</b> Fundo Municipal de Educação - FMDE de Timbó CNPJ: 32.257.384/0001-19	<b>Assinatura:</b>
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**Especificação:**

DETALHAMENTO DOS PILARES P63