

[illegible][illegible]

Figure 1 consists of four schematic diagrams labeled (a) through (d). Diagram (a) is a top-down view of a rectangular arena with dimensions 431 cm by 352 cm. It features a central platform (2 x 8 cm) and a goal (2 x 8 cm). The arena is divided into four quadrants by a central platform (2 x 8 cm) and a goal (2 x 8 cm). Diagram (b) is a side view of the arena showing the platform (2 x 8 cm) and the goal (2 x 8 cm). Diagram (c) is a top-down view of the arena showing the platform (2 x 8 cm) and the goal (2 x 8 cm). Diagram (d) is a side view of the arena showing the platform (2 x 8 cm) and the goal (2 x 8 cm).

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Technical drawing of a bridge deck cross-section (Fig. 10.10). The drawing shows a symmetrical cross-section with a central roadway and side areas. Key dimensions include a total width of 1008 at the top, a central roadway width of 18 ± 5 C/20 (N6 353), and side widths of 2 ± 10. The drawing also shows the positions of various components like the central pier (P43), side piers (P36, P53), and the bridge deck (C-1074, C-155, C-160). The drawing is labeled with 'a', 'b', 'c', and 'd' at different points along the width.

Technical drawing of the front elevation of the 'Corte A' section of the 'CASA DE LA VENTA'. The drawing shows a symmetrical facade with a central entrance and two side windows. The central entrance is labeled 'P101' and 'P102'. The side windows are labeled 'P103' and 'P104'. The drawing includes dimensions for the overall width (236), height (32), and various internal measurements. The text 'Corte A' is written vertically on the right side. The drawing is a black and white line drawing.

Corte A

96  
N1 = 8 C=140  
16  
8  
7  
28  
3 N3 = 5 C=60  
97  
N2 = 8 C=135

Corte A

156  
2 N1 8 C=200  
7 x 5 C/16  
N3 (102)  
2 x 8  
P108  
P106  
7 N3 5 C=60  
35  
7  
2 x 8  
2 x 8

Technical drawing of a mechanical part, labeled "Corte A". The drawing shows the front and side views of the part, along with dimensions and section lines.

**Front View Dimensions:**

- Total width: 158
- Slot width:  $2 N1 \pm 8$
- Slot depth:  $C=200$
- Section line: A-A

**Side View Dimensions:**

- Total height: 7
- Slot height: 25
- Slot width:  $2 \pm 8$
- Section line: A-A


**Other Dimensions and Notes:**

- Bottom left dimension:  $7 \pm 5 C/16$
- Bottom left note:  $N3 (102)$
- Bottom right dimension:  $7 N3 \pm 5 C=80$
- Bottom left note:  $2 N2 \pm 5 C=105$

|      | ACO | POS | BIT<br>(mm) | QUANT | COMPR |
|------|-----|-----|-------------|-------|-------|
| V18  | 50A | 1   | 8           | 2     | 420   |
|      | 50A | 2   | 10          | 3     | 285   |
|      | 50A | 3   | 8           | 2     | 325   |
|      | 50A | 4   | 5           | 2     | 165   |
|      | 50A | 5   | 10          | 2     | 285   |
|      | 60B | 6   | 10          | 1     | 110   |
|      | 60B | 5   | 5           | 5     | 10    |
|      | 60B | 8   | 5           | 10    | 105   |
| V19  | 60B | 10  | 5           | 2     | 148   |
|      | 60B | 10  | 5           | 2     | 148   |
|      | 60B | 12  | 5           | 2     | 278   |
| V20  | 50A | 1   | 8           | 2     | 805   |
|      | 50A | 2   | 8           | 2     | 790   |
|      | 50A | 3   | 8           | 2     | 160   |
|      | 60B | 4   | 5           | 26    | 105   |
|      | 60B | 5   | 5           | 11    | 100   |
|      | 60B | 6   | 5           | 2     | 235   |
|      | 60B | 8   | 5           | 2     | 325   |
|      | 60B | 8   | 5           | 2     | 325   |
| V21  | 50A | 1   | 8           | 2     | 250   |
|      | 50A | 2   | 8           | 2     | 250   |
|      | 50A | 3   | 8           | 2     | 250   |
| V22  | 50A | 1   | 8           | 2     | 495   |
|      | 50A | 2   | 8           | 2     | 460   |
|      | 60B | 5   | 5           | 20    | 100   |
| V101 | 50A | 1   | 8           | 2     | 495   |
|      | 50A | 2   | 8           | 2     | 460   |
|      | 60B | 5   | 5           | 20    | 100   |
| V102 | 50A | 1   | 8           | 2     | 280   |
|      | 50A | 2   | 8           | 2     | 285   |
|      | 60B | 3   | 5           | 14    | 80    |
| V103 | 50A | 1   | 8           | 2     | 140   |
|      | 50A | 2   | 8           | 2     | 135   |
|      | 60B | 3   | 5           | 3     | 80    |
| V104 | 50A | 1   | 8           | 2     | 235   |
|      | 50A | 2   | 8           | 2     | 240   |
|      | 60B | 3   | 5           | 11    | 80    |
| V105 | 50A | 1   | 8           | 2     | 195   |
|      | 50A | 2   | 8           | 2     | 195   |
|      | 60B | 3   | 5           | 7     | 80    |
| V106 | 50A | 1   | 8           | 2     | 200   |
|      | 50A | 2   | 8           | 2     | 195   |
|      | 60B | 3   | 5           | 7     | 80    |

| RESUMO AÇO CA 50-60 |             |              |              |
|---------------------|-------------|--------------|--------------|
| AÇO                 | BIT<br>(mm) | COMPR<br>(m) | PESO<br>(kg) |
| 60B                 | 5           | 575          | 92           |
| 50A                 | 8           | 302          | 121          |
| 50A                 | 10          | 129          | 82           |
| 50A                 | 12.5        | 12           | 12           |
| Peso Total          |             | 60B =        | 92 kg        |
| Peso Total          |             | 50A =        | 214 kg       |

|                          |     |                             |                     |
|--------------------------|-----|-----------------------------|---------------------|
| CONCRETO                 |     | CARGAS PARA DIMENSIONAMENTO |                     |
| Fek = 25                 | MPa | A/C M <sub>ax</sub> = 0.60  | CARGA UTILIZACAO    |
| R <sub>ck28</sub> = 28   | GPa |                             | Kg / m <sup>2</sup> |
| MATERIAL :               |     | TITULO CERAMICO DE 6 Puros  |                     |
| REVESTIMENTO :           |     | cm                          |                     |
| MATERIAL DE ENCHIMENTO : |     | Kg / m <sup>3</sup>         |                     |
| REVESTIMENTO :           |     | cm                          |                     |
| MATERIAL :               |     | TITULO CERAMICO DE 6 Puros  |                     |
| REVESTIMENTO :           |     | cm                          |                     |
| MATERIAL DE ENCHIMENTO : |     | Kg / m <sup>3</sup>         |                     |
| REVESTIMENTO :           |     | cm                          |                     |
| MATERIAL :               |     | TITULO CERAMICO DE 6 Puros  |                     |
| REVESTIMENTO :           |     | cm                          |                     |
| MATERIAL DE ENCHIMENTO : |     | Kg / m <sup>3</sup>         |                     |
| REVESTIMENTO :           |     | cm                          |                     |

|  |  |  |
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|   | <b>GOVERNO DO ESTADO DO PARANÁ</b><br>SEI - SECRETARIA DE INFRAESTRUTURA E LOGÍSTICA<br>PARANÁ EDIFICAÇÕES<br>GERENCIA DE PROJETOS |  |
|  | <b>MEMÓRIAS</b>  |  |
| PROPOSTA DE PROJETO DO PARANÁ<br>OBRAS<br>CRIANÇA DE SAÚDE DA FAMÍLIA - POSE I<br>LOCAL:<br>URBAN. PÁRQUE PARA O ESTADO DO PARANÁ  | TIPO<br>CONSTRUTIVO  |  |
| AUTOR DO PROJETO/REGISTRO PROJ.<br>(USE 1) R00001/CR 13410-09  | PROPOSTA<br><b>ESTRUTURAL</b>  |  |
| RESPONSÁVEL TÉCNICO/REGISTRO PROJ.<br>(USE 2) R00047/CR 13410-09   | REPRESENTAÇÃO<br><b>ARM. VIGAS DO TETO</b>   |  |
| MEM. ANEXO/ANEXO 1 PLANEJAMENTO LÍTIKA-03P<br>CND: CNF. 008.048.000/CR 13410-09<br>Nº 13410-09<br>RUA 1012 DE FOMI, 100 5.º AND. FOMI, LONDRINA - PR<br>CEP: 86000-000<br>TEL: (0XX41) 3328-0212 | DATA: 10/07/2014<br>REGISTRO DE CONSULTA: 1-50<br>Nº 007.007.000/CR 13410-09   | EST<br><div style="font-size: 48px; font-weight: bold;">1011</div> |