

Technical drawing of a guardrail system, showing a cross-section and a plan view.

Cross-section details:

- Base height: 0.35
- Post height: 0.28
- Top rail height: 0.02

Plan view details:

- Post spacing: 1.00
- End offsets: 0.25, 0.15
- Variable dimensions: VAR. (A ACERTAR EM FUNÇÃO DA OBRA)

Notes:

- GUARDA-CORPOS EXISTENTE A RECONDICIONAR E PROLONGAR

ESC. 1:20

CALDEIRA CONDUTA DE CABOS ELÉTRICOS

TAMPAS PRÉ-FABRICADAS COM 0.995x0.595x0.06

TAMPAS PRÉ-FABRICADAS COM 1.095x0.595x0.06

GUARDA-CORPOS EXISTENTE A RECONDICIONAR E PROLONGAR

ACABAMENTO DO BETÃO COM ESQUARTELAMENTO

0.50

0.20

0.20

0.05

0.05

0.50

1.00

0.05

1.20

0.70

0.25

0.25

2.20

Technical drawing of a wall section showing dimensions and structural details. The drawing includes a vertical section on the left and a horizontal section at the bottom. Key dimensions and features are labeled:

- Vertical Dimensions (Left):**
 - Top section: 0.20, 0.05
 - Middle section: 0.01
 - Bottom section: 2.20
 - Bottom-most section: 0.20, 0.50, 0.25
- Horizontal Dimensions (Bottom):**
 - Left section: 0.50, 0.20
 - Middle section: 1.10
 - Right section: 0.20, VAR.
- Structural Details and Labels:**
 - 3**: Vertical reinforcement bars at the top and bottom corners.
 - 2**: Vertical reinforcement bars at the top and bottom center.
 - 4**: Horizontal reinforcement bar in the middle section.
 - 5**: Horizontal reinforcement bar in the bottom section.
 - MONTANTE**: Label for the vertical wall structure.
 - MURO ALA**: Label for the horizontal wall structure.

DE LIGAÇÃO

Technical drawing showing a plan view (top) and a cross-section view (bottom) of a bridge structure.

Plan View (Top):

- Overall width: 2.18
- Dimensions from left to right: 0.20, 0.05, 1.00, 0.05, 0.65, 0.25
- Dimensions from top to bottom: 0.30, 0.10, 0.20
- Label: Variável

Cross-section View (Bottom):

- Overall height: 1.60
- Dimensions from left to right: 0.25, 1.00, 0.20, 0.25
- Dimensions from top to bottom: 0.20, 0.45
- Label: Variável

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Technical drawing of a rectangular structure, likely a foundation or wall section, showing dimensions and a scale.

Scale: ESC. 1:10

Dimensions:

- Horizontal dimension: 1.095*
- Horizontal dimension: 0.995**
- Vertical dimension: 0.595
- Horizontal dimension (right side): 0.20

Label: OLHAIS PARA REMOÇÃO

Technical drawing of a reinforced concrete beam cross-section. The beam is rectangular with a width of 0.06m and a height of 0.06m. It is reinforced with 10 bars of L60x60x6 steel. The reinforcement is divided into two groups: 5 bars at the top and 5 bars at the bottom. The top bars are labeled 'MALHASOL AQ50'. The bottom bars are labeled 'L60x60x6'. The total length of the beam is 1.095m, with a note indicating a tolerance of 0.995m.

Technical drawing of a rectangular plate. The plate has a width of 0.06 and a length of 0.595. The material is specified as MALHASOL AQ50. The plate is shown with a cross-section of L60x60x6. There are five circular holes along the length of the plate, with the first hole centered 0.10 from the left edge and the last hole centered 0.10 from the right edge. The distance between the centers of the first and last holes is 0.395.

LEGENDA:

- *) - DUPLA TAMPA NA CAIXA DE VISITA
 **) - TAMPAS CORRENTES. NO CASO DAS TAMPAS DAS EXTREMIDADES,
 A DIMENSÃO DEVERÁ SER ACERTADA EM FUNÇÃO DA OBRA.

- DECAPAGEM COM LAVAGEM A ÁGUA FRIA E IMERSÃO EM ÁCIDO HIDROCLÓRIDICO;
- O ESQUEMA BASE PRETENDIDO PARA A PROTEÇÃO ANTICORROSIVA É O SEGUINTE:
 - GALVANIZAÇÃO A QUENTE, NA MEIA HORA SEQUINTE À DECAPAGEM (NP EN ISO 1461)ESP. MÍN. 80µm
 - REVESTIMENTO EM PÓ TERMOENDURECÍVEL FORMULADO COM RESINAS EPOXI TIPO "CIN MEGAPRIMER PON" OU EQUIVALENTEESP. MÍN. 60µm
 - REVESTIMENTO EM PÓ TERMOENDURECÍVEL FORMULADO COM RESINAS POLIESTER TIPO "CIN MEGAPOL 1" OU EQUIVALENTEESP. MÍN. 80µm
- AS ZONAS DA ESTRUTURA COM PEQUENOS DANOS NA PINTURA CAUSADOS PELO MANUSEAMENTO / TRANSPORTE SERÃO REPARADOS COM UM VERNIZ ACRÍLICO TIPO "CIN MEGADUR MEGAREPAIR SIAD" OU EQUIVALENTE;
- AS ZONAS DA ESTRUTURA COM DANOS MAIS SIGNIFICATIVOS CAUSADOS PELO TRANSPORTE, MONTAGEM OU SOLDADURAS EM OBRA DEVERÃO TER O SEGUINTE ESQUEMA DE REPARAÇÃO:
 - DESPOLIMENTO DA SUPERFÍCIE COM LIXA FINA;
 - DESENGORDURAMENTO COM SOLVENTE;
 - UMA DEMÃO DE PRIMÁRIO EPOXI DE ALUMÍNIO TOLERANTE DE SUPERFÍCIE DE TIPO "CIN C-POX ST180 AL" OU EQUIVALENTEESP. MÍN. 100µm
 - UMA DEMÃO DE ESMALTE DE POLIURETANO TIPO "CIN C-THANE S100" OU EQUIVALENTEESP. MÍN. 50µm
- A COR FINAL SERÁ A DEFINIDA PELO RAL 6005.

CLASSE DE EXECUÇÃO	EXC2
PERFIS	S275 J0
CHAPAS	S275 J2
PORCAS E PARAFUSOS	CLASSE 8.8

[illegible]