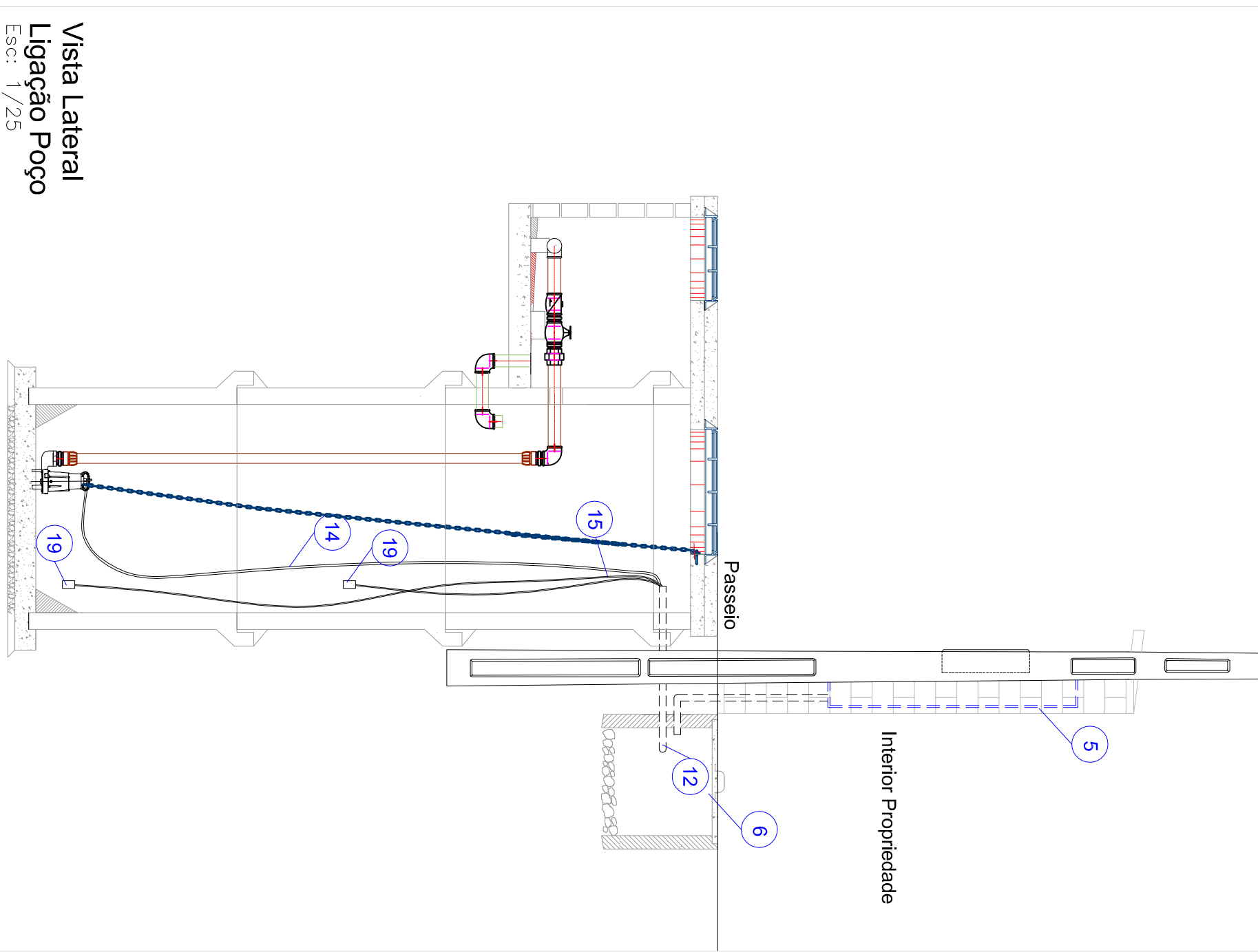
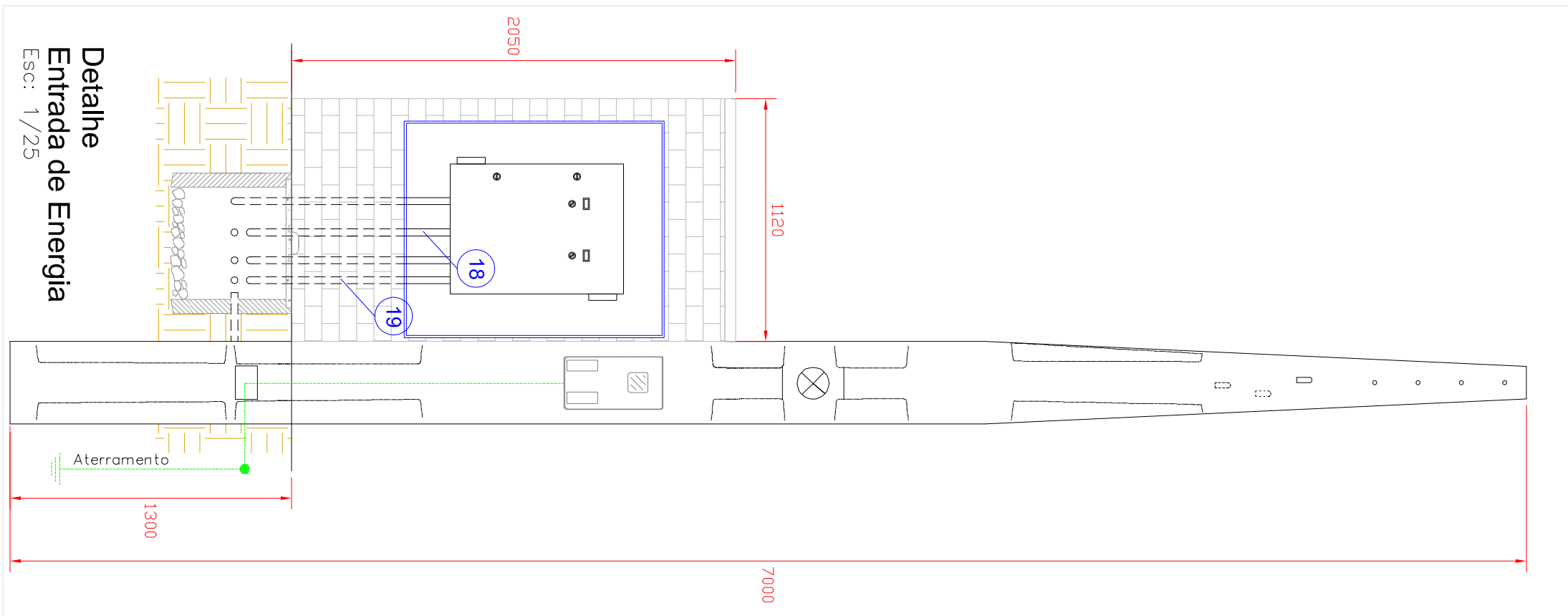


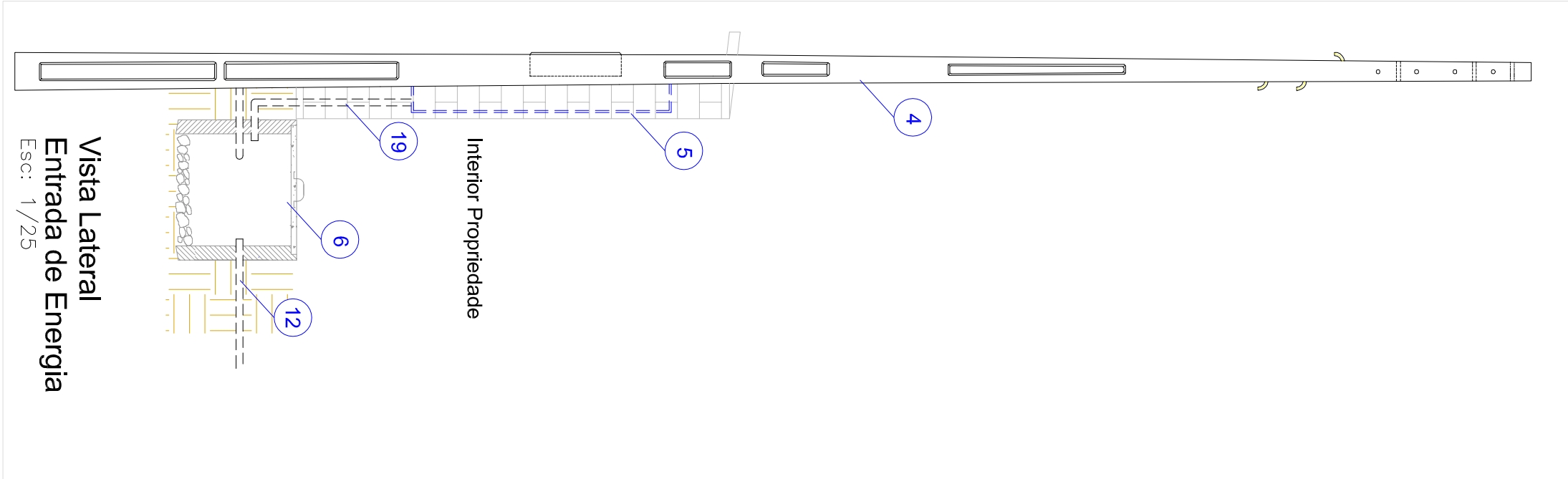
Entrada de Energia Vista Frontal  
Esc: 1/25



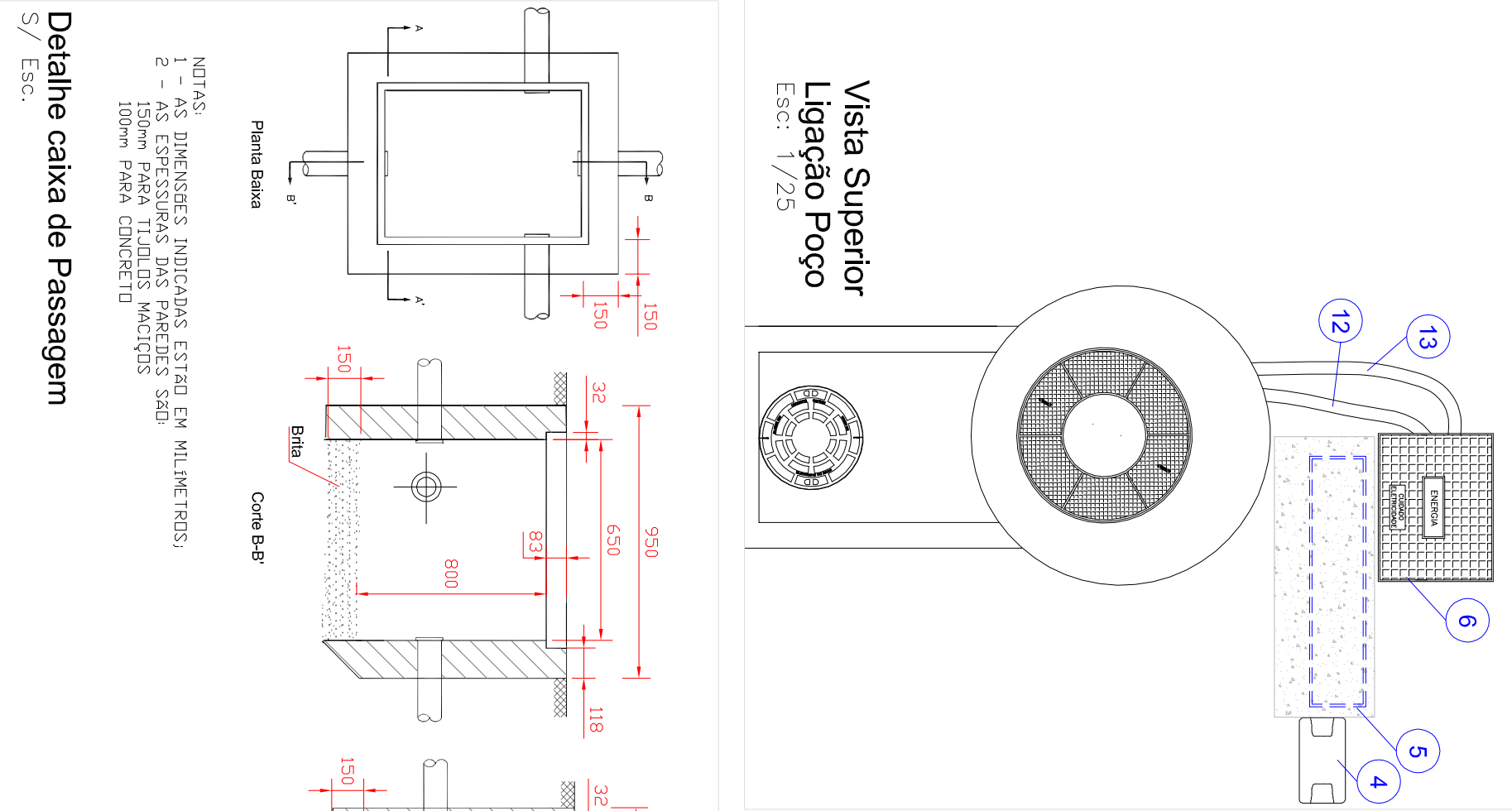
Vista Lateral Ligação Pogo  
Esc: 1/25



Detalhe Entrada de Energia  
Esc: 1/25

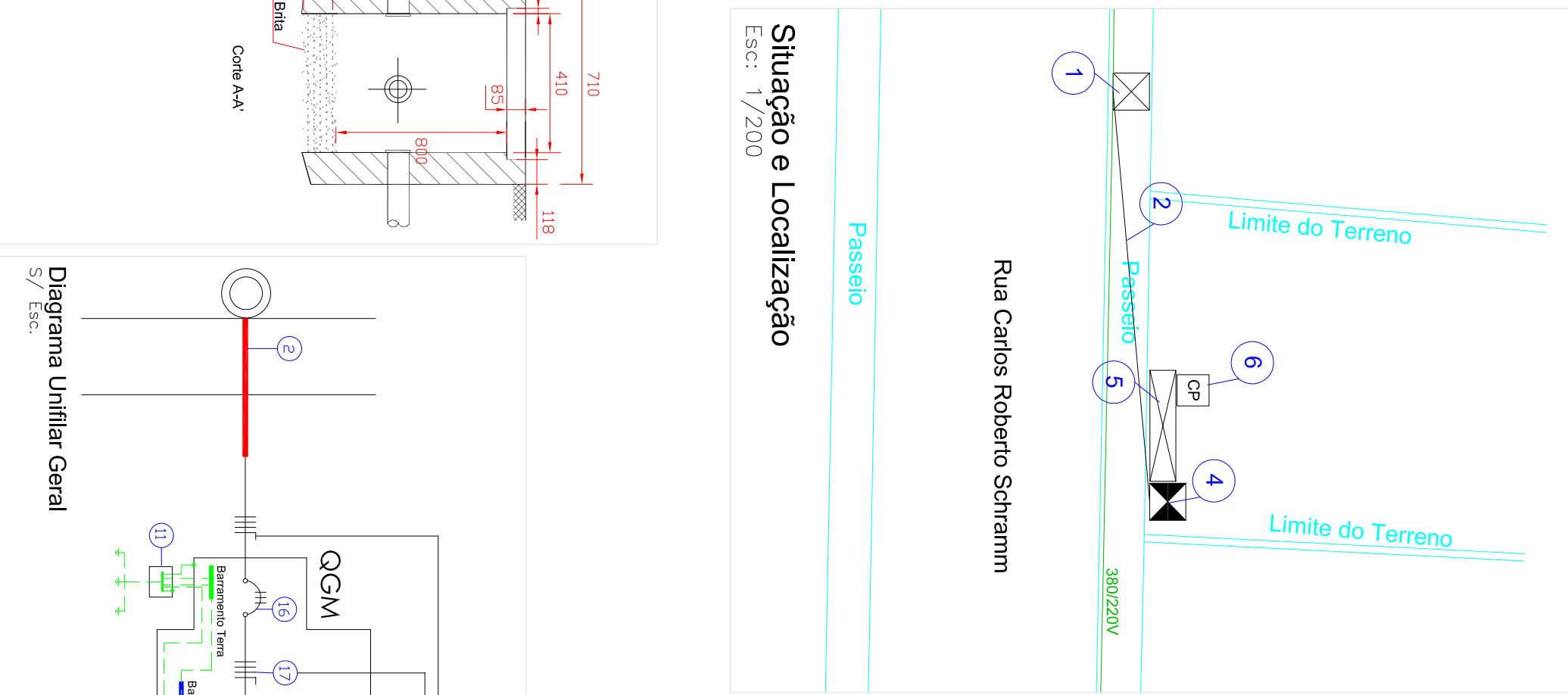


Vista Lateral Entrada de Energia  
Esc: 1/25



Vista Superior Ligação Pogo  
Esc: 1/25

Detalhe caixa de Passagem  
S/ Esc.



Situação e Localização  
Esc: 1/200

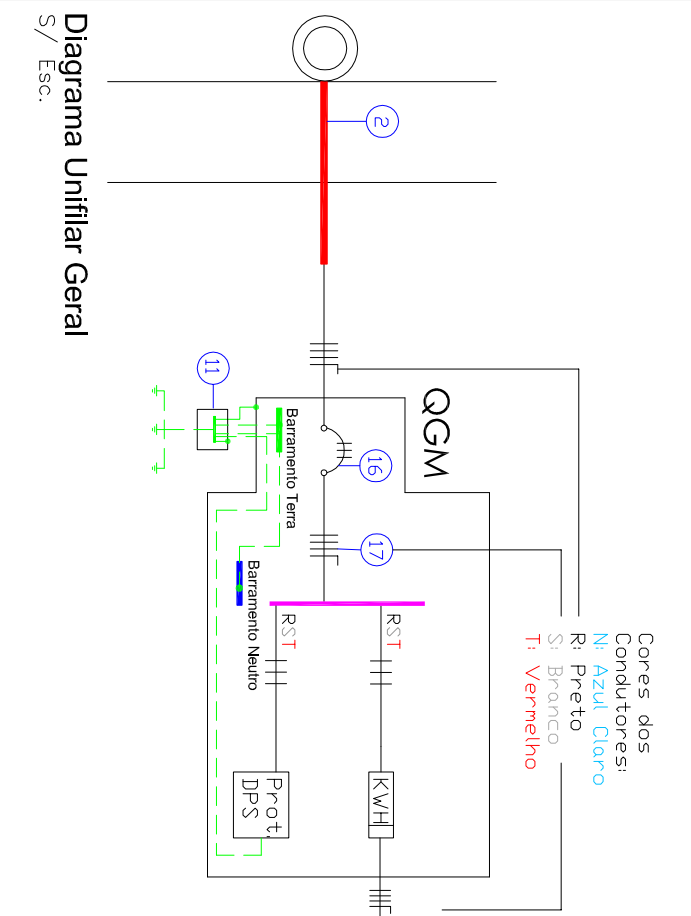


Diagrama Unifilar Geral  
S/ Esc.

## CÁLCULO DE QUEDA TENSÃO

### DADOS TÉCNICOS:

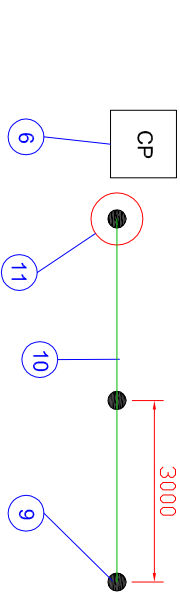
CORRENTE NOMINAL (IN) = 50 AMPERES  
DISTÂNCIA EM METROS = 12 METROS LINEARES  
FATOR DE POTÊNCIA = 0,92  
COEFICIENTE DO COBRE = 0,0178  
MÁXIMA QUEDA = 1%  
SEÇÃO TRANSVERSAL DO CONDUTOR = 10mm<sup>2</sup>

$$\% = \frac{IN \times L \times 0,0178 \times 173,2}{V \times S}$$

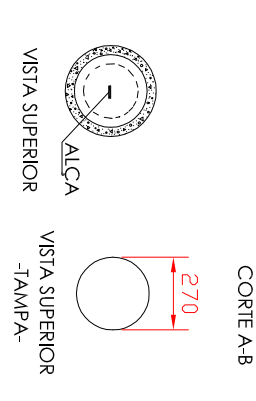
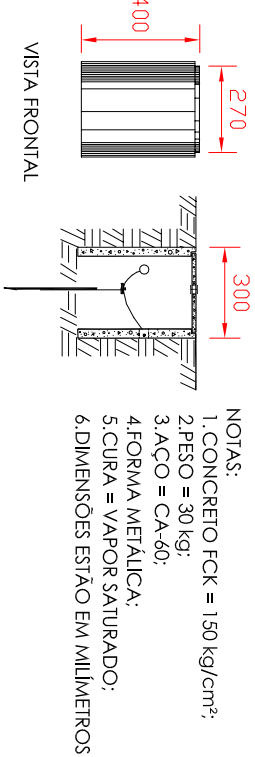
$$\% = \frac{50 \times 12 \times 0,0178 \times 173,2}{2 \times 380 \times 10} = 0,25 \%$$

OBS.: PIOR SITUAÇÃO CX. 01

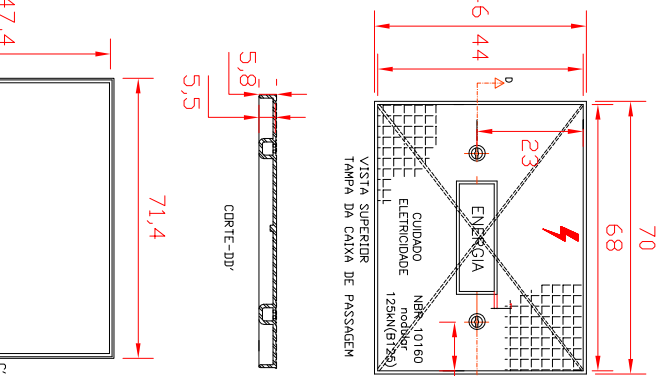
NOTAS:  
1 - AS DIMENSÕES INDICADAS ESTÃO EM MILÍMETROS.



Malha de Aterramento  
Esc: 1/125



Detalhe Cx. de Aterramento  
S/ Esc.



Detalhe caixa de Passagem  
S/ Esc.

- NOTAS:
- 01 - Tampa de ferro modular para entrada de energia elétrica subterrânea.
  - 02 - O tampo deverá estar de acordo com a norma NBR 10160.
  - 03 - O tampo deverá ser de aço galvanizado, com espessura mínima de 2mm.
  - 04 - Deve ocorrer o fluxo de veículos e resistência deverá ser de 400kN (400) conforme norma NBR 10160.
  - 05 - O tampo deverá ser de aço galvanizado, com espessura mínima de 2mm.
  - 06 - O tampo deverá receber uma proteção superficial com tinta betuminosa.
  - 07 - Os tampões deverão possuir ensaios em laboratórios.
  - 08 - Os tampões deverão ser de aço galvanizado, com espessura mínima de 2mm.
  - 09 - Produtos certificados pela Cetelec.
  - 10 - Não é permitida a inscrição de nome ou logomarca de distribuidores.

### Características Mecânicas

- Deverão ser das seguintes classes:
- Classe mínima B125 (125kN) - para aplicação em passeios (calçadas), locais de circulação de pedestres e áreas de locais de acordo com o detalhe ao lado.
  - Classe mínima B400 (400kN) - para aplicação em vias de circulação de veículos, locais de estacionamento e áreas de circulação de veículos. Deve ser aplicada nos locais de acordo com o detalhe ao lado.

Legenda	
1	Porte Cetelec (fronto de Entrega)
2	Rota de Ligação Móvel - 400mm (40) - Isolação 0,6/1kV
3	Rele de 7m - Completo, IP55 + Aterramento, 3x50A com Entrada aérea e saída subterrânea
4	Mureta de abrigo para quadro de comando das bombas
5	Mureta de abrigo para quadro de comando das bombas
6	Caixa de Passagem em Ferro Fundido ou Concreto - Dimensões 70 x 46 cm
7	Conector tipo cunha
8	Isolador Rodado de porcelana 5597 / 5598, 5 / 8" x 2400 mm
9	Isolador Rodado de porcelana 5597 / 5598, 5 / 8" x 2400 mm
10	Malha Aterramento Cobre N° 10mm <sup>2</sup> (2,00 x 2,00 m)
11	Caixa de Inspeção - Dimensões 30 x 40 cm (20 x 20 x 10)
12	duto corrugado PVC 27 para cabos de potência
13	duto corrugado PVC 27 para cabos de potência
14	Cabo PP 4x2,5mm <sup>2</sup> -Alimentação das bombas
15	Cabo PP 3x1,5mm <sup>2</sup> -Bóia de nível
16	Disjuntor Geral Termomagnético - 3x50 A
17	Conductor Trexvel 4x10mm <sup>2</sup>
18	Conductor Trexvel 4x10mm <sup>2</sup>
19	duto corrugado PVC preto 11/2"
20	Bóia de nível

### OBSERVAÇÕES:

A mão de obra o serviço de execução deste projeto, bem como os materiais utilizados nas instalações elétricas, deverão estar de acordo com as normas técnicas e de segurança (NBR 5410, NBR 5411, NBR 5412, NBR 5413, NBR 5414, NBR 5415, NBR 5416, NBR 5417, NBR 5418, NBR 5419, NBR 5420, NBR 5421, NBR 5422, NBR 5423, NBR 5424, NBR 5425, NBR 5426, NBR 5427, NBR 5428, NBR 5429, NBR 5430, NBR 5431, NBR 5432, NBR 5433, NBR 5434, NBR 5435, NBR 5436, NBR 5437, NBR 5438, NBR 5439, NBR 5440, NBR 5441, NBR 5442, NBR 5443, NBR 5444, NBR 5445, NBR 5446, NBR 5447, NBR 5448, NBR 5449, NBR 5450, NBR 5451, NBR 5452, NBR 5453, NBR 5454, NBR 5455, NBR 5456, NBR 5457, NBR 5458, NBR 5459, NBR 5460, NBR 5461, NBR 5462, NBR 5463, NBR 5464, NBR 5465, NBR 5466, NBR 5467, NBR 5468, NBR 5469, NBR 5470, NBR 5471, NBR 5472, NBR 5473, NBR 5474, NBR 5475, NBR 5476, NBR 5477, NBR 5478, NBR 5479, NBR 5480, NBR 5481, NBR 5482, NBR 5483, NBR 5484, NBR 5485, NBR 5486, NBR 5487, NBR 5488, NBR 5489, NBR 5490, NBR 5491, NBR 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