



LEGENDA	
	Poste circular de concreto à instalar ou substituir
	Poste DT existente (transer)
	Poste circular de concreto EXISTENTE - manter
	Aterramento à instalar
	Para-raio à instalar
	Chave fusível à instalar com abertura em carga
	Transformador trifásico em poste à instalar
	Rede de MT COMPACTA
	Rede de BT
	Neutro contínuo
	Iluminação pública - lâmpada trifásica 1 fase, 220V
	Iluminação pública - lâmpada trifásica 3 fases, 220V
	Iluminação pública - existente (manter)
	Iluminação pública - existente (manter)

  

Trat	Poste	Caracterização	Linhas ligadas ao poste	Proteção ligada ao poste	Seção do cabo	Comprimento do cabo	Comprimento do poste	Comprimento do poste	Comprimento do poste
TD01	225 VVA	55%	16, 11, 12, 16, 18, 20, 22, 25	P22, P23, P24, P25, P26, P27, P28, P29, P30, P31	120 VVA	1.890,00	27,000	602,38	28.282,34
TD02	225 VVA	60%	16, 04, 06, 13, 14, 16, 17, 21	P12, P13, P14, P15, P16, P17, P18, P19, P20, P21	135 VVA	3.448,00	31,000	1.341,36	32.241,36
TD03	150 VVA	60%	01, 02, 05, 06, 07, 08	P32, P33, P34, P35, P36, P37, P38, P39, P40, P41	90 VVA	4.000,00	25,700	1.000,00	25.700,00

## NOTAS:

### REDE MT - COMPACTA

1. A rede de MT será do tipo COMPACTA (NE-313.0085).
2. Nas pontas finais de linha deverá ser instalado para-raio e o aterramento será com 01 haste e cabo de cobre n.º, condutividade 7,5 sec, 35mm².
3. O circuito principal será em cabo de alumínio coberto 3x50mm²+0,5mm².
4. A derivação da rede principal para atender o aterramento será do poste localizado na esquina da Rua Roberto Lencin de Moura com a Rua Arel Leopoldina. Este poste deverá ser substituído por poste circular de concreto de 12100000 com vista de aterramento 30 cm como conectado.
5. Os espaçadores da rede de MT são do tipo LOGANGULAR, e devem ser instalados entre 6 e 8 metros de distância entre eles.
6. O mensageiro deve ser aterrado em pontos onde haja tração de aterramento de plano-vazio, de equipamento a em tração de rede (mensageiro ancorado) e em pontos adjacentes com uma haste de terra, de 30 metros que a distância entre os pontos de aterramento não seja superior a 300 metros.
- O aterramento do mensageiro deve ser interligado ao neutro da rede de BT (caso haja no local).
7. A empresa que irá executar a obra deve ter plano conhecimento sobre o aterramento e instalação de rede de distribuição compacta, conforme as normas da Calesco D.
8. Onde houver abertura do cabo (fim de rede e conexões) deve ser feita a reconexão da cobertura com massa e fita.

### REDE BT - CABO MULTIPLEXADO

1. Conforme tabela 4 de N.321.0002 poste com transformador de 225VVA (1210000).
2. No poste onde for instalado o transformador, o aterramento será feito por meio de 01 haste cooperada alta corrente, 0,254mm de cobre, de 2,40m x 5,5".
3. Nas pontas finais de linha, o aterramento será com 01 haste;
4. Deverá ser observado que o neutro está aterrado;
5. Todo circuito executado será 3x1x120+70mm².
6. Foi considerado 150VVA por lote devido o aterramento ser industrial;
7. Para a área habitacional, considerou-se a construção de 240 apartamentos de 50m². Utilizou-se a tabela 7 de NT-03 (fator de multiplicação 82,47). A alimentação desta área será por transformador próprio em aterramento;
8. Os postes P02, P03, P04, P05, P06, P07, P08, P09, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, P32, P33, P34, P35, P36, P37, P38, P39, P40, P41, P42, P43, P44, P45, P46, P47, P48, P49, P50, P51, P52, P53, P54, P55, P56, P57, P58, P59, P60, P61, P62, P63, P64, P65, P66, P67, P68, P69, P70, P71, P72, P73, P74, P75, P76, P77, P78, P79, P80, P81, P82, P83, P84, P85, P86, P87, P88, P89, P90, P91, P92, P93, P94, P95, P96, P97, P98, P99, P100, P101, P102, P103, P104, P105, P106, P107, P108, P109, P110, P111, P112, P113, P114, P115, P116, P117, P118, P119, P120, P121, P122, P123, P124, P125, P126, P127, P128, P129, P130, P131, P132, P133, P134, P135, P136, P137, P138, P139, P140, P141, P142, P143, P144, P145, P146, P147, P148, P149, P150, P151, P152, P153, P154, P155, P156, P157, P158, P159, P160, P161, P162, P163, P164, P165, P166, P167, P168, P169, P170, P171, P172, P173, P174, P175, P176, P177, P178, P179, P180, P181, P182, 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