ITEM 625 - LIGHTING, MISC.: STEP-DOWN TRANSFORMER AND SUPPORT

Furnish and install a transformer and support as per the details on this sheet. This item of work includes the transformer, support and foundations, ground rods, conduit, and all hardware shown in the details on this sheet for the transformer and support, complete and in service.

Payment for the above work shall be made at the contract unit bid for Item 625 - Lighting, Misc. Step-Down Transformer and support, each, installed, in place, fully functional, tested and accepted.

NOTE:
1. The transformer shall be a 3KVA, 480V 3-conductor to 240V 3-conductor step down unit. The transformer shall be sealed, epoxy-enamelled, dry type, general purpose outdoor, 185°C insulation, with 304 stainless steel enclosure (NEMA 3R minimum).

2. The transformer and related wiring shall be UL listed for indoor outdoor applications and shall meet applicable NEMA and IEEE standards.

3. The Contractor shall submit to the Engineer, for approval, two sets of manufacturer's drawings and specifications for the transformer.

4. Secondary overcurrent protection shall be rated 125% maximum of the transformer secondary current rating.

5. Conduit connections to the disconnect switches and transformer shall be watertight and shall use the hubs listed on the enclosure U.L. labels.

6. Disconnect switches shall be lockable in on/off positions and door shut location and shall have 2 padlocks.

7. A separate disconnect may be needed in cases where disconnect and transformer support is not easily accessible from cabinet/device location.

Note:
Camera arm orientation may vary for views in all roadway directions, but shall be at least 90° from handhole location to accommodate viewing unit.

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