

SECTION 16195

ELECTRICAL IDENTIFICATION

Part 1 -Design Directives

All fire alarm junction boxes and pull fittings shall be painted red.

All boxes and enclosures that contain emergency circuits shall be clearly identified.

All direct buried PVC conduits and concrete encased duct banks shall have a metal detection underground warning tape installed above the conduit or duct bank. The tape shall be capable of being identified by a metal detector.

Danger signs that are required on doors and equipment shall be selected in accordance with OSHA standards.

Flash protection signage shall be installed as specified in *2002-the current edition of the NEC*, article 110.~~16~~. Appropriate signs or labels shall be installed on the following devices.

- Electric Closets and Vaults
- Underground Utility Vaults
- Junction boxes
- Industrial control panels
- Panelboards
- Switchboards
- MCC's

Medium Voltage cable tags:

Medium voltage cables shall be identified at each manhole and in each switch using the following tags: Almetek Industries: high definition E-Z Tags using high density polyethylene tag holders for horizontal mounting and #8 laminated black on yellow polypropylene numerals and symbols. The engineer shall request cable identification numbers from Dartmouth for inclusion in the specification.

Part 2 -Products

Almetek Industries E Z Tags

Underground conduit and duct bank identification tape: Seton #57345, 2" by 1000', Red/Black letters; "Caution Buried Electric Line Below"

Part 3 -Execution

Cable tags shall be installed with ty-wraps

Signs required for installation on electric room doors and equipment shall be attached with sheet metal or self-tapping screws. The use of pop rivets or adhesives is prohibited.

Signs shall be installed square with the edges of the surface on which they are mounted and placed so that they are easily read when approaching the equipment.

Underground conduit and duct bank identification tape shall be installed 12 inches above the conduit or duct bank.