

SECTION 26 0553 - IDENTIFICATION FOR ELECTRICAL SYSTEMS

PART 1 GENERAL

1.1 PROJECT INCLUDES

- A. Nameplates and labels.
- B. Wire and cable markers.

1.2 REFERENCE STANDARDS

- A. ASTM D 709 – Standard Specification for Laminated Thermosetting Materials; 2001 (Reapproved 2007).
- B. NFPA 70 - National Electrical Code; National Fire Protection Association; 2008.

1.3 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittals procedures.
- B. Product Data: Provide catalog data for nameplates, labels, and markers.
- C. Manufacturer's Instructions: Indicate application conditions and limitations of use stipulated by product testing agency specified under Quality Assurance. Include instructions for storage, handling, protection, examination, preparation and installation of product.

1.4 QUALITY ASSURANCE

- A. Conform to requirements of NFPA 70.
- B. Products: Listed and classified by Underwriters Laboratories Inc. as suitable for purpose specified and shown.

PART 2 PRODUCTS

2.1 IDENTIFICATION APPLICATIONS

- A. Buried Electrical Lines: Underground warning tapes.
- B. Communication Cabinets: Nameplates.

- C. Electrical Distribution and Control Equipment Enclosures: Nameplates.
- D. Junction Box Load Connections: Wire markers.
- E. Outlet Box Load Connections: Wire markers.
- F. Panel Gutter Load Connections: Wire markers.
- G. Pull Box Load Connections: Wire markers.

2.2 PRODUCTS

- A. Manufacturers:
 - 1. Kolbi Pipe Marker Co: www.kolbipipemarkers.com.
 - 2. Seton Identification Products: www.seton.com.
 - 3. Substitutions: See Section 016000 - Product Requirements.
- B. Nameplates: Engraved three-layer laminated plastic, black letters on white background.
- C. Plastic: Conform to ASTM D 709.
- D. Locations:
 - 1. Each electrical distribution and control equipment enclosure.
 - 2. Communication cabinets.
- E. Letter Size:
 - 1. Use 1/8 inch letters for identifying individual equipment and loads.
 - 2. Use 1/4 inch letters for identifying grouped equipment and loads.
- F. Labels: Embossed adhesive tape, with 3/16 inch white letters on black background. Use only for identification of individual wall switches and receptacles, control device stations.
- G. Wire Markers
 - 1. Manufacturers:
 - a. Brady Corporation: www.bradycorp.com.
 - b. Seton Identification Products: www.seton.com.
 - c. HellermannTyton: www.hellermanntyton.com.
 - 1) Substitutions: See Section 016000 - Product Requirements.

- H. Description: Tape, Split sleeve, or Nylon type self-adhesive wire markers.
- I. Color: Black on white.
 - 1. Legend:
 - a. Power and Lighting Circuits: Branch circuit or feeder number indicated on drawings.
 - b. Control Circuits: Control wire number indicated on schematic and interconnection diagrams on drawings.

2.3 UNDERGROUND WARNING TAPE

- A. Manufacturers:
 - 1. Brady Corporation: www.bradycorp.com.
 - 2. Seton Identification Products: www.seton.com.
 - 3. HellermannTyton: www.hellermannntyton.com.
 - 4. Substitutions: See Section 016000 - Product Requirements.
- B. Description: 3 inch wide polyethylene tape, detectable type colored red with suitable warning legend describing buried electrical lines.

PART 3 EXECUTION

3.1 PREPARATION

- A. Degrease and clean surfaces to receive nameplates and labels.

3.2 INSTALLATION

- A. Install nameplates and labels parallel to equipment lines.
- B. Secure nameplates to equipment front using screws.
- C. Secure nameplates to inside surface of door on panelboard that is recessed in finished locations.
- D. Identify underground conduits using underground warning tape. Install one tape per trench at 12 inches below finished grade.

END OF SECTION