

SECTION 260553

ELECTRICAL IDENTIFICATION

PART 1 GENERAL

1.1 SECTION INCLUDES

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

1.2 RELATED SECTIONS

- A. Division 09 - Painting.

PART 2 PRODUCTS

2.1 NAMEPLATES AND LABELS

- A. Nameplates: Engraved three-layer laminated plastic, white letters on black background. Use white letters on red background for emergency devices.
- B. Locations:
 - 1. Each electrical distribution and control equipment enclosure.
 - 2. Communication cabinets.
- C. 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.
- D. Labels: Engraved coverplates with 3/16-inch letters. Use only for identification of individual wall switches and receptacles and control device stations.

2.2 WIRE MARKERS

- A. Description: Cloth, tape, split sleeve, or tubing type wire markers.
- B. Locations: Each conductor at panelboard gutters, pull boxes, outlet and junction boxes and each load connection.
- C. Legend:
 - 1. Power and Lighting Circuits: Branch circuit or feeder number indicated.
 - 2. Control Circuits: Control wire number indicated on shop drawings.

2.3 UNDERGROUND WARNING TAPE

- A. Description: 4-inch-wide plastic tape, detectable type, colored yellow 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 APPLICATION

- A. Install nameplate and label parallel to equipment lines.
- B. Secure nameplate to equipment front using screws, rivets, or permanent adhesive.
- C. Secure nameplate to inside surface of door on panelboard that is recessed in finished locations.
- D. Secure wall plate labels using screws, rivets, or permanent adhesive.
- E. Identify conduit using field painting under provisions of Division 09 or provide plastic tape.
- F. Install or paint colored band on each conduit longer than 10 feet.
- G. Provide conduit bands 20 feet on center or use painted fittings.
- H. Color:
 - 1. 480 Volt System: Brown.
 - 2. 208 Volt System: Blue.
 - 3. Fire Alarm System: Red.
 - 4. Telephone System: Gray.
 - 5. Nurse Call System: White.
 - 6. Life Safety Branch: Yellow (plus voltage color).
 - 7. Critical Branch: Orange (plus voltage color).
 - 8. Equipment Branch: Green (plus voltage color).
- I. Identify underground conduits using underground warning tape. Install one tape per trench at 3 inches below finished grade.

END OF SECTION