

## SECTION 260553 - IDENTIFICATION FOR ELECTRICAL SYSTEMS

### PART 1 - GENERAL

- 1.1 Related Documents: Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division – 1 Specification sections, apply to the work of this section.
- 1.2 Furnish and install engraved laminated phenolic nameplates for all safety switches, panelboards, transformers, switchboards, motor control centers and other electrical equipment supplied for the project for identification of equipment controlled or served, phase, voltage, etc.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

A. Nameplate material colors shall be:

1. Blue surface with white core for 120/208 volt equipment.
2. Bright red surface with white core for all equipment related to fire alarm systems.
3. Burgundy surface with white core for all equipment related to security systems.
4. Brown surface with white core for all equipment related to data systems.

B. All empty conduit runs and conduit with conductors for future use shall be identified for use and shall indicate where they terminate. Identification shall be by phenolic tags with wire attached to conduit or outlet.

C. All outlet boxes, junction boxes and pull boxes shall have their covers and exterior visible surfaces painted with colors to match surface color scheme outlined above. This includes covers on boxes above all type ceilings.

#### 2.2 WARNING LABELS AND SIGNS

A. Comply with NFPA 70 and 29 CFR 1910.145.

B. Self-Adhesive Warning Labels: Factory printed, multicolor, pressure-sensitive adhesive labels, configured for display on front cover, door, or other access to equipment, unless otherwise indicated.

C. Baked-Enamel Warning Signs: Preprinted aluminum signs, punched or drilled for fasteners, with colors, legend, and size required for application. 1/4-inch (6.4-mm) grommets in corners for mounting. Nominal size, 7 by 10 inches (180 by 250 mm).

D. Metal-Backed, Butyrate Warning Signs: Weather-resistant, nonfading, preprinted, cellulose-acetate butyrate signs with 0.0396-inch (1-mm) galvanized-steel backing; and with colors,

legend, and size required for application. 1/4-inch (6.4-mm) grommets in corners for mounting. Nominal size, 10 by 14 inches (250 by 360 mm).

- E. Fasteners for Signs: Pop-rivets, self-tapping (if screw end is protected), stainless-steel screws or stainless-steel machine screws with nuts and flat and lock washers.
- F. Warning label and sign shall include, but are not limited to, the following legends:
  - 1. Workspace Clearance Warning: "WARNING - OSHA REGULATION - AREA IN FRONT OF ELECTRICAL EQUIPMENT MUST BE KEPT CLEAR FOR 36 INCHES (915 mm)."
- G. **The contractor shall install Arc-Flash warning labels that will be created by the Designer. The contractor shall provide proposed distances for feeders/circuits to the Designer for this analysis prior to beginning any conduit installation and after feeders are installed.**

### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. Nameplates shall be securely attached to equipment with self-tapping stainless steel screws with screw end protected, and shall identify equipment controlled, attached, etc. Letters shall be 1/2 inch high minimum. Embossed, self-adhesive plastic tape is NOT acceptable for marking equipment.
- B. Refer to specific detail sheets in the Drawings for specific information required on all nameplates or other labeling.

END OF SECTION 260553