

SECTION 260553 - ELECTRICAL IDENTIFICATION

PART 1 - GENERAL

1.1 WORK INCLUDES

- A. Base and Alternate Bids:
 - 1. Contractor Provide:
 - a. Nameplates and labels.
 - b. Wire and cable markers.
 - c. Conduit markers.

1.2 RELATED SECTIONS

- A. Division 1 – Submittal Procedures.

1.3 REFERENCES

- A. ANSI/NFPA 70 - National Electrical Code, 2008 edition.
- B. ANSI A13.1 - Identification of Piping Systems
- C. Local Rules and Regulations.

1.4 SUBMITTALS

- A. Submit under provisions of Division 1.
- B. Provide catalog data for nameplates, labels, and markers.
- C. Submit manufacturer's installation instruction.
- D. Submit list of wording, symbols, letter size and color coding for each piece of equipment specified.

1.5 REGULATORY REQUIREMENTS

- A. Conform to requirements of ANSI/NFPA 70.
- B. Furnish products listed and classified by UL as suitable for purpose specified and shown.

PART 2 - PRODUCTS

2.1 NAMEPLATES AND LABELS

- A. Nameplates: Engraved three-layer laminated plastic, black letters on white background.
- B. Locations:
 - 1. Panelboards.
 - 2. Each electrical distribution and control equipment enclosure.
 - 3. Cabinets.
 - 4. Individual switches in distribution gear.
 - 5. Disconnect switches.
 - 6. Enclosed circuit breakers.
- C. Size of plate shall be commensurate with lettering thereon.
- D. Lettering for major items of equipment, such as a panelboard, shall be 1/2" in height. Lettering for smaller items, such as switches, shall be 1/4" in height.
- E. Wording on plate shall contain the following information as appropriate.
 - 1. Drawing nomenclature, such as Panel LP1.
 - 2. Voltage.
 - 3. Panel fed from. (Does not apply to individual switches in distribution gear)

2.2 WIRE MARKERS

- A. Description: Tape 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 Circuits (including Special Outlets): Branch circuit or feeder number indicated on drawings.
 - 2. Control Circuits: Control wire number indicated on schematic and interconnection diagrams on drawings.
 - 3. Wire Insulation Color:

Conductor	120/208V, 3 Phase	277/480V, 3 Phase
Phase A	Black	Brown
Phase B	Red	Orange
Phase C	Blue	Yellow
Neutral	White	Gray
Ground	Green	Green

2.3 JUNCTION AND PULLBOXES

- A. In addition to painting specified in other sections, all junction or pull-boxes shall be clearly marked on the cover identifying the source, circuit and/or functional use.
- B. Identification shall be by indelible marker.

2.4 WIRING DEVICE COVERPLATES

- A. The panel name and circuit number serving the wiring device shall be clearly written with indelible marker on the back of each cover plate.

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 or adhesive.
- C. Secure nameplate to inside surface of door on panelboard that is recessed in finished locations.

END OF SECTION 260553