SECTION 16195

ELECTRICAL IDENTIFICATION

PART 1  GENERAL

1.01 SUMMARY

A. Section Includes:
   1. Nameplates and tape labels.
   2. Wire and cable markers.

B. Related Sections:
   1. Section 09900 - Painting
   2. Section 16110 - Raceways
   3. Section 16130 - Boxes
   4. Section 16140 – Wall Switches
   5. Section 16141 - Receptacles
   6. Section 16160 - Cabinets and Enclosures
   7. Section 16425 - Switchboards
   8. Section 16440 - Disconnect Switches
   9. Section 16470 - Panelboards
   10. Section 16480 - Motor Control

PART 2  PRODUCTS

2.01 MATERIAL

A. Nameplates:
   1. Engraved three-layer laminated plastic, black letters on white background.
   2. Life safety and emergency shall be white letters on red background.

B. Electronic Labels:
   1. Manufacturers:
   2. Kroy
   3. Brother
   4. pre-approved equal

C. Wire and Cable Markers:
1. Cloth markers, split sleeve or tubing type.

D. Embossed labels prohibited

PART 3 EXECUTION

3.01 INSTALLATION

A. Nameplates and Labels:

1. Specify the following:
   a. Degrease and clean surfaces to receive nameplates and labels.
   b. Install nameplates parallel to equipment lines.
   c. Secure nameplates to equipment using screws or rivets. Locate nameplates on outside face of panelboard doors in finished locations.
   d. Electronic labels will be permitted only for identification of disconnects, individual wall switches (in unfinished areas), control station devices and starters, and on outside face of receptacles and wall switch plates.

B. Wire Identification:

1. Specify the following:
   a. Provide wire markers on each conductor at points of termination in panelboards, outlet and junction boxes and at load connections. Identify with branch circuit or feeder number for power and lighting circuits and with control circuit number for control wiring. Install wire markers in panelboard between deadfront and edge of can.

3.02 NAMEPLATE ENGRAVING SCHEDULE

A. For engraving, identification shall be the name of the device, panelboards, etc. The “voltage, load serve” line also shall include the name of the feeding panel, switchboard, etc.

B. Switchboards and Motor Control Centers:

1. Identification:
   a. 1/2” high lettering.

2. Voltage, Loads Served:
   a. 1/4” high letters.

C. Panelboards:

1. Identification:
   a. 1/2” high lettering

2. Voltage:
   a. 1/4” high lettering.
D. Transformers:
   1. Identification:
      a. 1/2” high lettering.
   2. Voltage, Source:
      a. 1/4” high lettering.

E. Switches, Starters, Receptacles:
   1. Identification:
      a. Electronic tape or neatly written permanent ink on inside faceplate in finished areas.

3.03 PULL AND JUNCTION BOX COLOR CODING

A. For ease of identification during maintenance and remodeling, junction box covers shall be color coded according to the following schedule:
   1. Fire Alarm - Red
   2. Emergency Circuitry - Yellow
   3. Telephone - Green
   4. Television - Violet
   5. Computer Data - Blue
   6. 277/480V Systems - Orange

END OF SECTION