

**SECTION 26 05 53****IDENTIFICATION FOR ELECTRICAL SYSTEMS****PART 1 - GENERAL****1.1 REFERENCE DOCUMENTS**

- A. Comply with Division 1 - General Requirements and related documents.
- B. Comply with all of the Division 26 sections as applicable.
- C. Refer to other Divisions for coordination of work with other portions of work.

**1.2 DESCRIPTION**

- A. Provide identification of electrical equipment.
- B. Provide identification of over current devices.
- C. Provide identification of branch circuits, outlets, and wiring devices.
- D. Provide identification of required clear working spaces for electrical equipment.
- E. Provide identification of rooms and spaces for access by qualified personnel.
- F. Related work specified in other section:
  - 1. 26 05 33 - Boxes for Electrical Systems.

**1.3 QUALITY ASSURANCE**

- A. Signs and placards shall meet the requirements by OSHA.

**1.4 SUBMITTALS**

- A. Submit literature describing all electrical signage and marking materials for approval prior to installation.

**PART 2 - PRODUCTS****2.1 PLACARDS**

- A. Placards shall be engraved phenolic name plates with engraved lettering engraved. Lettering shall be minimum 24-point type in basic block font.
- B. Placards shall be securely and permanently adhered to the equipment enclosures without fasteners or penetrations into the enclosures.

C. Placards shall be color coded for various systems as follows:

1. Utility Power Systems: White placard, black lettering.
2. Other Systems: As directed by Owner.

## **2.2 LABELS**

A. Labels shall be typewritten, adhesive backed printed labels. Lettering shall be minimum 18-point type in basic black font.

## **2.3 MARKING MATERIALS**

A. Materials for marking of required working clearance shall be adhesive backed yellow tape, equal to 3M Company 471 Series. Clean and prepare floor surface in accordance with manufacturer's instructions.

## **2.4 SIGNAGE**

- A. Signage for electrical equipment rooms shall be preprinted manufactured sign units providing warning of the Danger of Electrical Equipment Hazards and limiting access to Qualified Personnel only.
- B. Signage shall be securely and permanently adhered to the door surface without fasteners or penetrations into the door surface.
- C. All signage shall be approved by the Architect prior to installation.

# **PART 3 - EXECUTION**

## **3.1 SERVICE ENTRANCE EQUIPMENT**

- A. Provide a placard for each service entrance equipment identifying
1. The name of the equipment.
  2. The data of installation.
  3. The utility company available fault current.
  4. The supply system voltage.
  5. The name of the engineering company of record for the project.
  6. The number of service disconnecting means associated with this service.
  7. The name and locations of any other service entrance equipment on the property.
- B. Provide each service disconnecting means, switch or circuit breaker with a placard identifying the device as "Service Disconnecting Means X of X Devices."
1. Utility source disconnecting means.
- C. Provide Feeder Protective Devices with a placard identifying the name of the device or circuit number and the name of the equipment or load served.

### **3.2 DISTRIBUTION SWITCHBOARDS AND PANELBOARDS**

- A. Provide each switchboard and panelboard with a placard identifying.
  - 1. The name of the equipment.
  - 2. The supply system voltage.
  - 3. The name of the equipment supplying the switchboard or panelboard.
  - 4. The circuit number of the overcurrent device supplying the switchboard or panelboard.
- B. Provide each feeder protective device with a placard identifying the name of the device or circuit number and the name of the equipment or load served.

### **3.3 LIGHTING AND APPLIANCE PANELBOARDS**

- A. Provide each panelboard with a placard identifying:
  - 1. The name of the equipment.
  - 2. The supply system voltage.
  - 3. The name of the equipment supplying the switchboard or panelboard.
  - 4. The circuit number of the overcurrent device supplying the panelboard.
- B. Provide each panelboard with a typewritten circuit directing card describing the name of the load served and the room number (3) where the devices are located. Reference the room number(s) actually installed at the project, not the room numbers for Architectural construction documents.

### **3.4 LOW VOLTAGE DISTRIBUTION TRANSFORMERS**

- A. Provide each transformer with a placard identifying:
  - 1. The name of the equipment.
  - 2. The name of the supply source equipment and protective device circuit number.
  - 3. The supply system voltage.
  - 4. The load systems voltage.
  - 5. The name of the equipment supplied from the load side of the transformer.

### **3.5 OTHER EQUIPMENT**

- A. Provide other electrical and mechanical equipment with placards identifying.
  - 1. The name of the equipment.
  - 2. The name of the supply source equipment.
  - 3. The circuit number of the overcurrent device supplying the equipment.

**3.6 OUTLET BOXES, JUNCTION BOXES AND WIRING DEVICES**

- A. Provide labels affixed to the inside cover for each outlet box, junction box, and wiring device identifying the panel name and branch circuit numbers for the overcurrent devices supply the circuits.

**3.7 REQUIRED WORKING CLEARANCES**

- A. Provide marking on the floor around each item of equipment defining the required working clearances in accordance with the National Electrical Code.

**3.8 ELECTRICAL EQUIPMENT ROOMS**

- A. Provide each entry door into a room or space containing electrical power distribution equipment providing Warning of the Electrical Hazard and restricting entrance to Qualified Personnel only.

**END OF SECTION**