

IDENTIFICATIONS FOR ELECTRICAL SYSTEMS

DESIGN GUIDELINES

1. Summary:
 - a. This section provides guidelines and standards for providing labeling and identification on electrical systems and devices.
2. General Requirements
 - a. Electrical identification labels for electrical equipment shall be added or modified as required to meet the scope of the contractors work.
 - b. Comply with NFPA 70E requirements for arc-flash warning labels.
 - c. All receptacle and switch cover plates to be labeled with panel name and circuit number from where fed.
 - Provide black lettering on clear background for Normal circuits.
 - Provide white lettering on clear background for Emergency circuits.
 - d. Electrical systems installed above the ceiling that require maintenance shall be marked on the ceiling with nametape label (i.e. lighting controllers, relay panels, power supplies, etc.).
 - e. Switchboard, panelboard, MCC, ATS, VFD, transformer and disconnect labels to be 2-1/4" high with information as follows. The name of the equipment in 1/2" high bold letters, followed by the "fed from" or "feeds" and Room # letters in 1/4" bold. Labels may be on smaller stock and lettering smaller where space does not permit 2-1/4" high labels. See examples below.

Panel 1RP1

Fed From Panel 1DP1

In Room 1001

Or

Transformer 1TN1

Feeds Panel 1RP1

In Room 1001

Labels for above shall be colored as follows: Other than Health Care Facilities.

- Normal Power – Black lettering on white background.
- Life Safety (Emergency)/Optional Standby – White lettering on red background.

Labels for above shall be colored as follows: Health Care Facilities.

- Normal Power – Black lettering on white background.
- Life Safety – White lettering on green background.
- Critical branch – White lettering on red background.

3. Related Sections

- a. Wiring Devices
- b. Lighting Controls
- c. Panelboards
- d. Switchboards
- e. Transformers
- f. ATS's
- g. Variable Frequency Drives
- h. Enclosed Switches and Enclosed Circuit Breakers
- i. Conduits, Fittings and Boxes

EQUIPMENT and PRODUCT REQUIREMENTS

1. Labels:

- a. Approved Manufacturers:
 - Brady
- b. Features
 - Self-Adhesive, Vinyl, Thermal Transfer-Printed

END OF SECTION