SECTION 26 0553

IDENTIFICATION FOR ELECTRICAL SYSTEMS

PART 1 GENERAL

1.01 SECTION INCLUDES

    A.   Electrical identification requirements.

    B.   Identification nameplates and labels.

PART 2 PRODUCTS

2.01 IDENTIFICATION REQUIREMENTS

    A.   Identification for Equipment:
        1.   Use identification nameplate to identify each piece of electrical distribution and control equipment and associated sections, compartments, and components.
            a.   Panelboards:
                1)   Identify voltage and phase.
                2)   Identify power source and circuit number. Include location when not within sight of equipment.
                3)   Use typewritten circuit directory to identify load(s) served for panelboards with a door. Identify spares and spaces using pencil.
            b.   Enclosed switches and circuit breakers:
                1)   Identify voltage and phase.
                2)   Identify power source and circuit number. Include location when not within sight of equipment.
                3)   Identify load(s) served. Include location when not within sight of equipment.
        2.   Use identification nameplate to identify disconnect location for equipment with remote disconnecting means.
        3.   Use identification label to identify overcurrent protective devices for branch circuits serving fire alarm circuits. Identify with text "FIRE ALARM CIRCUIT".

    B.   Identification for Devices:
        1.   Use identification label to identify serving branch circuit for all receptacles and lighting switches.

2.02 IDENTIFICATION NAMEPLATES AND LABELS

    A.   Identification Nameplates:
        1.   Plastic Nameplates: Two-layer or three-layer laminated acrylic or electrically non-conductive phenolic with beveled edges; minimum thickness of 1/16 inch; engraved text.
        2.   Mounting Holes for Mechanical Fasteners: Two, centered on sides for sizes up to 1 inch high; Four, located at corners for larger sizes.

    B.   Identification Labels:
        1.   Materials: Use self-adhesive laminated plastic labels; UV, chemical, water, heat, and abrasion resistant.
        2.   Text: Use factory pre-printed or machine-printed text. Do not use handwritten text unless otherwise indicated.

    C.   Format for Equipment Identification:
        1.   Minimum Size: 1 inch by 2.5 inches.
        2.   Text: All capitalized unless otherwise indicated.
        3.   Color:
            a.   Normal Power System: White text on black background.
            b.   Emergency Power System: White text on red background.

    D.   Format for Receptacle and lighting switches Identification:
        1.   Minimum Size: 3/8 inch by 1.5 inches.
        2.   Legend: Power source and circuit number or other designation indicated.
        3.   Text: All capitalized unless otherwise indicated.

4.   Minimum Text Height: 3/16 inch.
5.   Color: Black text on clear background.

2.03 SYSTEMS PULLBOXES

A.   Boxes in systems raceways shall be color coded as follows:
1.   Fire Alarm   Red
2.   Data System   Orange

PART 3 EXECUTION

3.01 PREPARATION

A.   Clean surfaces to receive adhesive products according to manufacturer's instructions.

3.02 INSTALLATION

A.   Install products in accordance with manufacturer's instructions.

B.   Install identification products to be plainly visible for examination, adjustment, servicing, and maintenance. Unless otherwise indicated, locate products as follows:
1.   Surface-Mounted Equipment: Enclosure front.
2.   Flush-Mounted Equipment: Inside of equipment door.
3.   Interior Components: Legible from the point of access.
4.   Devices: Outside face of cover.

C.   Install identification products centered, level, and parallel with lines of item being identified.

D.   Secure nameplates to exterior surfaces of enclosures using stainless steel screws and to interior surfaces using self-adhesive backing or epoxy cement.

E.   Install self-adhesive labels and markers to achieve maximum adhesion, with no bubbles or wrinkles and edges properly sealed.

F.   Mark all handwritten text, where permitted, to be neat and legible.

END OF SECTION