PART 1 - GENERAL

1.01 WORK INCLUDED

1. Nameplates and Tape Labels
2. Wire and Cable Markers
3. Conduit System Junction Box and Pull Box Color Coding

1.02 SUBMITTALS

Include schedule for nameplates and tape labels.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Phenolic Nameplates: Engraved, three-layer, laminated plastic with black letters on a white background. For emergency panels and equipment, engraved, three-layer, laminated plastic with white letters on a red background.

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

PART 3 - EXECUTION

3.01 INSTALLATION

A. Degrease and clean surfaces to receive nameplates.

B. Install nameplates parallel to equipment lines.

C. Secure nameplates to equipment fronts using screws or rivets. Secure nameplate to inside face of recessed panelboard doors in finished locations.

D. Embossed tape will not be permitted for any application.

E. Every circuit and circuit modification shall be legibly identified as to its clear, evident, and specific purpose or use, not limited to lights and receptacles. Transformer/switchboard/panelboard identification shall include sufficient detail to allow each circuit to be distinguished from all others. The identification shall be included in a circuit directory that is located on the face or inside of the panel door in the case of a panelboard, and located at each switch on a switchboard. For any panelboard or switchboard, a laminated affixed label shall be provided with the following information: Equipment I.D., voltage, phase, amperage, panelboard or switchboard from where served, circuit number, rating of circuit feeder (overcurrent device), and from where the overcurrent device is fed. Example: Panel “LA”-120/208V-3 Phase/4 Wire-Served by Panel “MDP”-Circuit #9-800 Amp, B-2/R-106A. Label shall be a single, one-piece application/unit.

F. Service disconnect identification shall be provided on the exterior of all covers of enclosures. A laminated affixed label shall be provided with the following information: what it serves, where served from (panel), service circuit number, and circuit rating. Example: A.H.U. 1A, Served by Panel “HA”, Circuit #6, 60 Amp.

G. Panel schedules shall be typewritten by F.I.S.H. room number. Changes and/or additions shall be updated per this standard.

H. Special application switches shall be provided with laminated affixed labels.

I. All affixed laminated labels to be pop-riveted to panel cover in a neat and workman- like manner. Wall mounted labels shall be mounted in a permanent manner not relying on adhesive.

J. All replaced/upgraded panelboards/panels/switchboards and load centers shall have schedules completely re-made or re-labeled appropriately identifying all existing and new loads.

3.02 WIRE IDENTIFICATION

A. Provide wire markers on each conductor in panelboard gutters, pull boxes, outlet and junction boxes, and at load connection. Identify with branch circuit or feeder number for power and lighting circuits, and with control wire number as indicated on schematic and interconnection diagrams or equipment manufacturer's shop drawings for control wiring.

B. Provide permanent label below ceiling on ceiling grid identifying location of all motor starters, service disconnects, lighting relays, occupancy sensors, exhaust fans, and any other electrical equipment. Labels to be white background with black letters.

3.03 NAMEPLATE ENGRAVING SCHEDULE

Provide nameplates of minimum letter height as scheduled below:

1. Panelboards, Switchboards, and Motor Control Centers: 1/4 inch; identify equipment designation. 1/8 inch; identify voltage rating and source.
2. Individual Circuit Breakers, Switches, and Motor Starters in Panelboards, Switchboards, and Motor Control Centers: 1/8 inch; identify circuit and load served, including location.
3. Individual Circuit Breakers, Enclosed Switches, and Motor Starters: 1/8 inch; identify load served.
4. Transformers: 1/4 inch; identify equipment designation. 1/8 inch; identify primary and secondary voltages, primary source, and secondary load and location.

3.04 CONDUIT SYSTEM, JUNCTION BOX, AND PULL BOX COLOR CODING SCHEDULE

Coordinate color of paint with Division 09, “Painting” to identify conduit system junction boxes and pull boxes, as scheduled below:

1. Emergency Distribution System: Orange
2. 480 Volt, Single and Three Phase System: Yellow
3. 208 Volt, Single and Three Phase System: Brown
4. Fire Alarm System: Red
5. Motor and Other Control Systems: Purple
6. Telephone System: Black
7. Television System: Green
8. Security System: White
9. Intercom/Zone Paging: Blue

**END OF SECTION**