SECTION 16140PPR - WIRING DEVICES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes wall switches; wall dimmers; receptacles; multi-outlet assembly; and device plates and decorative box covers.

B. Multi-outlet assembly not allowed except in laboratory spaces without written permission of Brown Project Manager.

1.2 PRE-MANUFACTURED FURNITURE AND ASSEMBLIES

A. Wiring devices incorporated into pre-manufactured assemblies not meeting these requirements shall be called out on all drawings and submittals.

PART 2 - PRODUCTS

2.1 WALL SWITCHES

A. Product Description: NEMA WD 1, Heavy-Duty AC only general-use snap switch.

B. Color: Coordinate color with Architect.

C. Locator Light: Lighted handle type switch; red color handle when used.

D. Ratings:
   1. Voltage: 120-277 volts, AC.

E. Manufacturers:
   1. Hubbell.
   2. Substitutions: Not permitted.

2.2 WALL DIMMERS

A. Product Description: NEMA WD 1, Type II semiconductor dimmer for incandescent lamps.

B. Color: Coordinate color with Architect.

C. Voltage: 120 volts.

D. Power Rating: 600 watts minimum.
E. Manufacturers:
   1. Lutron.
   2. Substitutions: Not permitted.

2.3 RECEPTACLES

A. Product Description: NEMA WD 1, Heavy-duty general use receptacle.
B. Device Body: Color coordinated with Architect.
D. Convenience Receptacle: Type 5-20.
E. GFCI Receptacle: Convenience receptacle with integral ground fault circuit interrupter.
F. Emergency Outlets: All outlets fed from emergency circuits shall be red with red color plates.
G. Manufacturers:
   1. Hubbell.
   2. Substitutions: Not permitted.

2.4 WALL PLATES

A. Cover Plate: Stainless steel unless otherwise directed by Architect. Where stainless steel plates are not available, device plates shall match color of device.
B. Weatherproof Cover Plate: Gasketed cast metal plate with hinged and gasketed device cover.
C. Manufacturers:
   1. Hubbell.
   2. Substitutions: Not permitted.

2.5 MULTIOUTLET ASSEMBLY (Where Allowed)

A. Multi-outlet Assembly: Sheet metal channel with fitted cover, suitable for use as multi-outlet assembly.
B. Color: White.
C. Receptacles: Furnish covers and accessories to accept convenience receptacles specified in this Section.
D. Receptacle Spacing: Project specific.
E. Fittings: Furnish manufacturer's standard couplings, elbows, outlet and device boxes, and connectors.

F. Multi-Channel: Multi-channel, multi outlet assembly used for power and communication wiring shall have separate covers for each channel.

G. Manufacturers:
   1. Wiremold.
      a. Size: Model 700 minimum for restorations and Model 2000 for research projects.
   2. Substitutions: Not permitted.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install wall dimmers to achieve full rating specified and indicated after derating for ganging as instructed by manufacturer.

B. Do not share neutral conductor on load side of dimmers.

C. Install receptacles with grounding pole on top or to the left when looking at it.

D. Connect wiring device grounding terminal to outlet box with bonding jumper and branch circuit equipment grounding conductor.

E. Label device cover, device and conductors with panel and circuit number of feeder.

F. Use jumbo size plates for outlets installed in masonry walls.

G. Install galvanized steel plates on outlet boxes and junction boxes in unfinished areas, above accessible ceilings, and on surface mounted outlets.

H. All devices shall be free of paint.

END OF SECTION