

**SECTION 26 27 26****WIRING DEVICES****PART 1 - GENERAL****1.1 REFERENCED DOCUMENTS**

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

**1.2 DESCRIPTION**

- A. Work Included: Provide wiring devices and cover plates for outlets designated to receive them.
- B. Related work specified in other section:
  - 1. 26 00 00 - Electrical
  - 2. 26 05 33 - Boxes for Electrical Systems

**1.3 QUALITY ASSURANCE**

- A. The equipment supplied and installed shall meet the requirements of the National Electrical Code and all applicable local codes and ordinances.
- B. All equipment supplied shall be Underwriter's Laboratories Inc. listed and so labeled.

**1.4 REFERENCED STANDARDS**

- A. U.L. 20 - General Use Snap Switches.
- B. U.L. 498 - Attachment Plugs and Receptacles.
- C. U.L. 1682 - Plugs, Receptacles and Cable Connectors of the Pin and Sleeve Type.
- D. U.L. 1686 - Pin and Sleeve Configurations.
- E. NEMA WD-1 General Color Requirements for Wiring Devices.
- F. NEMA WD-6 Configurations for Specific Purpose Plugs and Receptacles.
- G. Federal Specification WS-896 Switches, Toggle, Flush mounted.
- H. Federal Specification WC-596 Connector, Electrical Power.
- I. IEC 309-1 Pin and Sleeve Devices.

- J. IEC 309-2 Pin and Sleeve Devices.

## **1.5 SUBMITTALS**

- A. Samples: Provide samples upon specific request for typical NEMA devices.
- B. Product Data: Submit manufacturer's product data describing materials and electrical ratings.

## **1.6 DELIVERY, STORAGE AND HANDLING**

- A. Deliver devices and cover plates in manufacturer's sealed unopened packages and protect from the introduction of dust and moisture.
- B. Do not install wiring devices and cover plate until adjacent finishes are complete and the area has been cleaned to a dust free dry environment.

## **1.7 MANUFACTURER**

- A. The equipment shall be the product of a manufacturer with at least ten years' experience in the manufacture of similar equipment.
- B. All wiring devices on the project shall be of the same manufacturer where rated 50 amperes or less.
- C. Acceptable manufacturers:
  - 1. Leviton.
  - 2. Hubbell.
  - 3. Legrand.
  - 4. Cooper.

## **PART 2 - PRODUCTS**

### **2.1 GENERAL**

- A. Unless noted otherwise, wiring devices shall be standard industrial grade devices, white color, with Type 302 stainless steel covers.
- B. Where specifically noted on the drawings or required by the Architect, wiring devices in finished areas shall be Decora commercial grade devices, white color, with commercial grade thermoplastic matching cover plate.
- C. Where required by the National Electrical code or local codes and ordinances, receptacles shall be commercial grade GFCI type, matching color with other wiring devices in the area, with matching thermoplastic or stainless steel cover plate.

- D. Where required by the National Electrical Code or local codes and ordinances, receptacles shall be commercial grade tamper proof design, including any educational occupancy with child occupants seven years old or younger including day care, churches, community centers and elementary schools.

## 2.2 INDUSTRIAL GRADE DEVICES

- A. Shall be equal to the devices listed below.

B. Switches

1. Single pole wall toggle, Leviton 1221-2. P&S PS20AC1.
2. Three-way wall toggle, Leviton 1223-2. P&S PS20AC3.
3. Four-way wall toggle, Leviton 1224-2. P&S PS20AC4.
4. Single pole key toggle, Leviton 1221-2KL. P&S PS20AC1KL.
5. Three-way key toggle, Leviton 1223-2KL. P&S PS20AC3KL.
6. Four-way key toggle, Leviton 1224-2KL. P&S PS20AC4KL.
7. Single pole, double throw, center off maintained contact, Leviton 1285. P&S 1225.
8. Single pole, double throw, center off momentary contact, Leviton 1257. P&S 1251.
9. Single pole, pilot light, Leviton 1221-PL. P&S PS20AC1CPL.
10. Single pole, lighted handle, Leviton 1221-LH. P&S PS20AC15L.

C. Straight Blade Receptacles

1. 125V, 20A, 5-20R, Simplex, Leviton 5361, P&S 5361.
2. 125V, 20A, 5-20R, Duplex, Leviton 5362, P&S 5362.
3. 125V, 20A, 5-20R, Duplex, Tamper Resistant, Leviton M5362-SGG, P & S TR26362.
4. 250V, 20A, 6-20R, Simplex, Leviton 5461, P&S 5871.
5. 250V, 20A, 6-20R, Duplex, Leviton 5462, P&S 5862.
6. 125V, 30A, 5-30R, Simplex, Leviton 5371, P&S 3802.
7. 250V, 30A, 6-30R, Simplex, Leviton 5372, P&S 3801.
8. 277V, 30A, 7-30R, Simplex, Leviton 9730-A, P&S L730R.
9. 125/250V, 10-30R, Simplex, Leviton 5207, P&S 3860.
10. 125/250V, 30A, 14-30R, Simplex, Leviton 278, P&S 3864.
11. 125/250V, 5-20R, Simplex Clock Hanger, Leviton 5361-CH. 5-15R P&S S3713.

D. Locking Type Receptacles

1. 125V, 20A, L5-20R, Simplex, Leviton 2310. P&S L520R.
2. 250V, 20A, L6-20R, Simplex, Leviton 2320. P&S L620R.
3. 277V, 20A, L7-20R, Simplex, Leviton 2330. P&S L720R.
4. 125/250V, 20A, L10-20R, Simplex, Leviton 2360. P&S L1020R.
5. 125/250V, 20A, L14-20R, Simplex, Leviton 2410. P&S L1420R.
6. 125V, 30A, L5-30R, Simplex, Leviton 2610. P&S L530R.
7. 250V, 30A, L6-30R, Simplex, Leviton 2620. P&S L630R.
8. 277V, 30A, L7-30R, Simplex, Leviton 2630. P&S L730R.
9. 125/250V, 30A, L10-30R, Simplex, Leviton 2660. P&S L1030R.

10. 125/250V, 30A, L14-30R, Simplex, Leviton 2710. P&S L1430R.

E. GFCI Receptacles

1. 125V, 20A, 5-20R, Duplex, Commercial Grade, Leviton 7599. P&S 1595.
2. 125V, 20A, 5-20R, Duplex, Hospital Grade, Leviton 7599-HG. P&S 2095HG.

## **2.3 DECORA DEVICES**

A. Shall be equal to the devices listed below.

B. Switches

1. Single pole wall toggle, Leviton 5621-2. P&S 2621.
2. Three-way wall toggle, Leviton 5623-2. P&S 2623.
3. Four-way wall toggle, Leviton 5624-2. P&S 2624.
4. Single pole, double throw, center off maintained contact, Leviton 5685-2. P&S TM811DTMA.
5. Single pole, double throw, center off momentary contact, Leviton 5657-2. P&S TM811DTMO.
6. Single pole, pilot light, Leviton 5628-2. P&S 2629.
7. Single pole, lighted handle, Leviton 5631-2. P&S 2625.

C. Straight Blade Receptacles

1. 125V, 20A, 5-20R, Simplex, Leviton 16351. P&S 26361.
2. 125V, 20A, 5-20R, Duplex, Leviton 16362. P&S 26352.
3. 125V, 15A, 5-15R, Duplex, Tamper Resistant, Leviton DR15-SG. P&S TR26362.

## **2.4 WEATHER RESISTANT DEVICES**

- A. Where noted on the drawings or located exterior to the building, wall switches shall be provided with die cast zinc weatherproof, gasketed cover plate with NEMA 3R classification in wet locations.
- B. Where noted on the drawings or located exterior to the building, wall receptacles shall be provided with die cast zinc weatherproof gasketed cover plates with NEMA 3R classification, listed for in use unattended plugs in wet locations.

## **2.5 MOTOR RATED SWITCHES**

- A. Fractional horsepower motors with internal overload protection shall be provided with double pole or three pole manual motor starting switches equal to Leviton MS series.

## **2.6 COMBINATION SWITCH AND RECEPTACLE OUTLETS**

- A. Where shown on the drawings provide combination disconnect switches and pin and sleeve power receptacles of the voltage, phase, and ampacity noted, equal to Leviton Power Switch.

- B. Switches shall be fused or non-fused as shown on the drawings, with Class J time delay fuses where required.
- C. Switches and receptacles shall be interlocked so that the switch cannot be closed without the plug-in place and the plug cannot be removed with the switch in the on position.
- D. Switch shall be equipped with provisions for pad locking in the off position.
- E. Provide one mating plug for each receptacle.

### **PART 3 - EXECUTION**

#### **3.1 INSTALLATION**

- A. Align wiring device covers vertically and horizontally and assure flush fit to wall surface.
- B. Surface mounted devices in cast ferrous boxes shall be furnished with stamped steel galvanized face plates.

#### **3.2 IDENTIFICATION**

- A. Each receptacle shall be provided with a permanently affixed name plate giving the panelboard and branch circuit number supplying the outlet.
- B. Identification shall be on the inside or outside of the cover plate as directed by the Architect.
- C. Manual Motor Rated Switches and Combination Switch and Receptacle Outlets shall be provided with permanently attached engraved phenolic name plates giving the panel and branch circuit source of supply and the name of the device controlled.
- D. Unless noted otherwise, all receptacles connected to a supply from a standby generator source shall be red color.
- E. Unless noted otherwise all receptacles connected to a supply from an uninterruptible power system source shall be orange color.

**END OF SECTION**