# SECTION 262726 - WIRING DEVICES

## PART 1 - GENERAL

### 1.1 WORK INCLUDES

A. Contractor Provide:

1. Wall switches.
2. Receptacles.
3. Device plates and decorative box covers.
4. In-use coverplates.

### 1.2 REFERENCES

A. NECA - Standard of Installation.

B. NEMA WD 1 - General Requirements for Wiring Devices.

C. NEMA WD 6 - Wiring Device -- Dimensional Requirements.

D. NFPA 70 - National Electrical Code.

### 1.3 SUBMITTALS

A. Product Data: Provide manufacturers' catalog information showing dimensions, colors, and configurations.

B. Submit manufacturers' installation instructions.

### 1.4 QUALIFICATIONS

A. Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum 3 years experience.

### 1.5 REGULATORY REQUIREMENTS

A. Conform to requirements of NFPA 70.

B. Provide Products listed and classified by Underwriters Laboratories, Inc., or other testing firm acceptable to the authority having jurisdiction as suitable for the purpose specified and indicated.

## PART 2 - PRODUCTS

### 2.1 WALL SWITCHES

A. Manufacturers:

1. Hubbell: 1221 (SP), 1223 (3-way), 1224 (4-way)
2. Arrow Hart: 1991 (SP), 1993 (3-way), 1994 (4-way).
3. Leviton: 1221-2 (SP), 1223-2 (3-way), 1224-2 (4-way).

B. Description: NEMA WD 1, heavy-duty AC only general-use snap switch. Provide device suitable for use with stranded wire.

C. Device Body: White plastic with toggle handle.

D. Voltage Rating: 120-277 volts, AC.

E. Current Rating: 20 amperes.

2.2 Low voltage switch shall be a 2 position momentary switch. Switch shall match other wall switches on project.

2.3 RECEPTACLES

A. Duplex Convenience Receptacle:

1. Hubbell 5362W.
2. Arrow Hart 5362W.
3. Leviton 5362-W.

B. Description: NEMA WD 1; heavy-duty general-use receptacle. Provide device suitable for use with stranded conductors.

C. Device Body: White plastic.

D. Convenience Receptacle: NEMA Type 5-20R.

E. GFCI Receptacle: Convenience receptacle with integral ground fault circuit interrupter to meet regulatory requirements: Hubbell GF5362W, Arrow Hart VGW20W, Leviton 7899W.

2.4 WALL PLATES

A. Manufacturers:

1. Hubbell.
2. Arrow Hart.
3. Leviton.

B. Flush Mounted Plates: Nylon beveled type with smooth rolled outer edge, white colored.

C. Weatherproof Cover Plate: Gasketed cast metal with hinged gasketed device cover.

2.5 IN-USE COVERPLATE

A. NEMA 3R, hinged transparent polycarbonate cover with provisions for locking, listed as weatherproof with cord attached to the receptacle, meeting NEC 2002, 406.8(b).

## PART 3 - EXECUTION

### 3.1 EXAMINATION

A. Verify that outlet boxes are installed at proper height.

B. Verify that wall openings are neatly cut and will be completely covered by wall plates.

C. Verify that boxes are adjusted properly.

D. Verify that branch circuit wiring installation is completed, tested, and ready for connection to wiring devices.

### 3.2 PREPARATION

A. Provide extension rings to bring outlet boxes flush with finished surface.

B. Clean debris from outlet boxes.

### 3.3 INSTALLATION

A. Install in accordance with NECA "Standard of Installation."

B. Install devices plumb and level.

C. Install switches with OFF position down.

D. Install receptacles with grounding pole on bottom.

E. Connect wiring device grounding terminal to branch circuit equipment grounding conductor per NEC.

F. Install decorative plates on switch, receptacle, and blank outlets in finished areas.

G. Connect wiring devices by wrapping conductor around screw terminal. Specification or hospital grade heavy duty screw clamps may be used. Do not wire through devices.

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

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

### 3.4 COORDINATION

A. Coordinate locations of outlet boxes provided under Section 260533 to obtain mounting heights specified and indicated on drawings.

B. Install wall switch or dimmer at 48 inches above finished floor.

C. Install convenience receptacle 18 inches above finished floor unless indicated otherwise.

D. Install convenience receptacle 6 inches above counter or backsplash of counter.

3.5 FIELD QUALITY CONTROL

A. Inspect each wiring device for defects.

B. Operate each wall switch with circuit energized and verify proper operation.

C. Verify that each receptacle device is energized.

D. Test each receptacle device for proper polarity.

E. Test each GFCI receptacle device for proper operation.

3.6 ADJUSTING

A. Adjust devices and wall plates to be flush and level.

3.7 CLEANING

A. Clean exposed surfaces to remove splatters and restore finish.

END OF SECTION 262726