

SECTION 26 27 26 - WIRING DEVICES**PART 1 GENERAL****1.01 DESCRIPTION**

- A. Provide all wiring devices and finish plates as required unless specifically indicated otherwise.

1.02 QUALITY ASSURANCE

- A. Underwriters Laboratories, Inc., listed and NEC approved.
- B. Wiring devices shall be specification grade, with special devices as noted on the Drawings. Should the Drawings indicate a device other than those listed herein, such device shall be of same grade and manufacture as specified below.
- C. All lighting switches and duplex receptacles installed shall be from the same manufacturer and have identical appearance characteristics.

1.03 SUBMITTAL AND RECORD DOCUMENTATION

- A. Submit product data for wiring devices and cover plates.

PART 2 PRODUCTS**2.01 MATERIALS**

- A. Non-Dwelling-Unit Wall Switches: 20 ampere, 120/277 volt AC, quiet type, Hubbell HBL1221 Series, color as selected by Architect. Single pole, double pole, 3-way, locking, or other type as indicated. Switches connected to emergency circuits shall be red.

Dwelling-Unit Wall Switches: 15Amp, 120Volt, Toggle Framed Single-pole AC Quiet Switch, Residential grade, Grounding, Push-in and Side terminals, Thermoplastic.
- B. Non-Dwelling-Unit Receptacles: Single and duplex receptacles shall be rated 20 amperes, 125 volts, two-pole, three-wire, grounded type, Hubbell HBL5362 Series. Receptacles shall have nylon faces, one-piece brass mounting strap with integral ground contacts and bypass power contacts; color as selected by Architect. Receptacles connected to emergency circuits shall be red.

Dwelling-Unit Receptacles: 15Amp, 125Volt, NEMA 5-15R, 2-Pole, 3-Wire, Duplex Receptacle, Straight Blade, Grounding, Push-in and Side terminals, Thermoplastic, UL 498 listed.
- C. Receptacles with ground fault interrupters shall be in accordance with UL 943.
- D. Special purpose or heavy duty receptacles shall be of the type and of ratings and number of poles indicated or required for the anticipated purpose. Contact surfaces may be either round or rectangular. One appropriate straight or angle-type plug shall be furnished with each receptacle. Locking facilities, where indicated, shall be accomplished by the rotation of the plug.
- E. Device plates of the one-piece type shall be provided for all outlets and fittings to suit the devices installed. Plates on unfinished walls and on fittings shall be of zinc-coated sheet steel, cast metal, or impact resistant plastic having rounded or beveled edges. Plates on finished walls shall be impact-resistant plastic, color as selected by the Architect. Plates on emergency receptacles and switches shall be red.
- F. Receptacles in wet locations shall be in a weatherproof enclosure, the integrity of which is not affected when the receptacle is in use. The enclosure shall be of high-impact polycarbonate construction, with a keyhole hinge without a spring and other metal parts, with a gasketless translucent lid that is lockable and tinted and has large cord openings. The enclosure shall be one or two-gang, and shall be securely secured to the receptacle box with tamper-proof

fasteners through factory-drilled or field-drilled through factory-prepared drill points. Bell "Rayntite II", Intermatic WP1000 series, or equal.

- G. Tamper-resistant (child-proof) receptacles shall be a type which contains internal contacts which require the presence of both blades to energize the receptacle, and shall be UL 498 listed. Hubbell #HBLSG62H or equal.
- H. Receptacles which are fully or half automatically de-energized by external means shall be factory-marked as such.

2.02 ACCEPTABLE MANUFACTURERS

- A. Hubbell, Bryant, P&S, Leviton, and Cooper.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Devices and finish plates to be installed plumb with building lines.
- B. Finish plates and devices not to be installed until final painting is complete. Scratched or splattered finish plates and devices will not be accepted.
- C. Wall mounted receptacles shall be installed vertically at centerline height shown on the Drawings unless otherwise specified.
- D. Plates shall be installed with all four edges in continuous contact with finished wall surfaces without the use of mats or similar devices. Plaster fillings will not be permitted. Plates shall be installed with an alignment tolerance of 1/16 inch.
- E. All outlets shall have a cover plate. Provide blank cover plate to match surrounding area if none other is specified.
- F. In general, lighting switches shall be installed on latch side of doorway.
- G. Seal around all boxes with caulk or other means to make airtight per LEED standards.

3.02 TESTS

- A. Test all receptacles for line to line, line to neutral, line to ground, and neutral to ground, opens or shorts, and correct defective wiring.

3.03 LABELING

- A. See Section 260553, Identification for Electrical Systems.

END OF SECTION