## PART 1 GENERAL

1.1 DESCRIPTION

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

1.2 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.

1.3 SUBMITTAL AND RECORD DOCUMENTATION

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

## PART 2 PRODUCTS

2.1 MATERIALS

A. Wall Switches for office and common areas: 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.

B. Residential Grade Switches for living units: 15 ampere, 1/2 HP, 120V AC. Leviton 1451 series, combination side wiring and quickwire push-in wiring, thermoplastic toggle and frame, color as selected by Architect. Single pole, double pole, three way, four way, or other types as indicated on Drawings.

C. Receptacles for office and common areas: 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.

D. Residential Grade Receptacles for living units: Single and duplex residential grade receptacles shall be rated 15 amperes, 125 volts, two-pole, three-wire, grounded type. Leviton 5320 series. Receptacles shall have large head terminal screws and quickwire push-in terminals, double wire power contacts, heavy gauge rust-resistant steel mounting strap, shallow design, break-off plaster ears, captive mounting screws, break-off fins for two-circuit (split bus) conversion; color as selected by Architect. Residential grade receptacles shall be used only in dwelling units.

E. Receptacles with ground fault interrupters shall be in accordance with UL 943.

F. 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.

G. 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 brushed stainless steel at damp areas. impact-resistant plastic at common areas and living units, color as selected by the Architect.Plates on emergency receptacles and switches shall be red.

H. 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.

2.2 ACCEPTABLE MANUFACTURERS

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

## PART 3 EXECUTION

3.1 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.

3.2 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.

3.3 LABELING

A. See Section 260553, Identification for Electrical Systems.

END OF SECTION