

SECTION 16350

WIRING DEVICES

GENERAL REQUIREMENTS

Section 15050 GENERAL REQUIREMENTS FOR MECHANICAL AND ELECTRICAL WORK is hereby made an integral part of this division and section of the specifications.

Check the architectural finishes, and regardless of the catalog prefixes and suffixes shown, finish all wiring devices with the proper trim, frames, supports, and other miscellaneous appurtenances to properly coordinate with said finishes.

Substituted devices will be considered during submittal stage - only - if accompanied by published comparison literature to the specified device.

ALLOWANCE

The electrical contractor shall include in the base bid, fifty (50) additional duplex outlets complete with face plate, j-box, fifty (50) feet of conduit and wiring for each outlet and all installation. Item shall be included as a separate line item on schedule of values. Schedule of values without this line item will not be accepted.

WALL RECEPTACLES

All receptacles shall be of the grounding type, side wired. No back wired shall be acceptable.

General Duty Specification Grade 125 volt, 20 ampere duplex, three wire grounding, NEMA 5-20R Configuration. Hubbell 5363; Bryant 5342; Leviton 5342.

Ground Fault Interrupter duplex receptacles (GFI) shall be equal to Leviton 6898W, 20 ampere duplex, indicating light, ivory color. Outdoor cover shall be equal to Leviton 6196 and shall be installed on all exterior outlets, outlets exposed to water and where noted on drawings. Install GFI outlets at locations within six (6) feet of any sink, lavatory, shower, etc., at all outdoor locations, other locations required by N.E.C., and at locations as noted on the drawings.

Isolated ground receptacles shall be equal to Daniel Woodhead 85362DWIG, 20 ampere duplex, hospital grade, NEMA 5-20R, orange face or equal by Leviton or Hubbell. Provide

separate insulated ground wire and separate neutral wire from each isolated ground circuit to the panel. Do NOT combine ground wires or neutrals with other circuits.

Surge protected receptacles shall be Pass & Seymour 1G63620SP, 20 ampere duplex, hospital grade, isolated ground, NEMA 5-20R, orange face. Provide separate insulated ground wire and separate neutral wire from each isolated ground circuit to the panel. Do NOT combine ground wires or neutrals with other circuits.

Wall receptacles shall be set with the long dimension of the box vertical and with the "U" blade on top.

All receptacles shall be ivory in color unless otherwise shown on drawings.

TOGGLE SWITCHES

All switches shall be ivory in color. Where more than one switch is shown at an outlet, switches shall be installed under a multi-gang plate in an order appropriate to outlet location.

Toggle switches shall be specification grade, grounded type, 20 ampere, 120/277 volt A.C. type, Sierra 5020 series; Leviton 5520 series; Slater 740 series, or equal approved.

Key operated toggle switches shall be 20 ampere, 120/277 volt A.C., Pass & Seymour 2OACIL with series 500 key, or equal approved. (Switches with plastic guides will not be approved.)

Toggle switches with pilot light shall be 20 ampere, 120/277 volt A.C., lighted handle, Bryant 4901 -PLR, or equal approved.

It shall be the responsibility of the contractor to coordinate and relocate to the strike side of the door, any switch being affected by any change or conflict between drawings concerning door swings.

COVER PLATES FOR SWITCHES AND RECEPTACLES

Cover plates shall be brushed stainless steel, non magnetic; type 302/304, Federal Specification W-P-455a, U.L. and NEMA Standard WD-1. Plates shall be Hubbell series "S" or equal approved. Plates shall be of proper configuration and quantity of gangs as required for each location.

LABELING:

All wiring devices cover plates shall be neatly marked with red grease pencil on the inside noting circuit number serving the device.

DIMMERS

Dimmers for incandescent lighting of 600 watts to 2000 watts shall be Underwriter's Laboratories listed solid state type, voltage stabilized, gangable type based on Square Law Principle. Dimmers shall have calibrated linear slide control with positive mechanical OFF position and maximum light adjustment feature. Dimmers shall be thin line Lutron Nova, T Star, or equal approved, as scheduled on drawings.

TIME CLOCKS

Clocks shall be 365 day, 24 hour type with manual override switch. Clocks shall be of voltage and contacts as required. Enclosure shall be NEMA I indoor surface. Clocks shall be Paragon EC77 general purpose with battery back-up, 7 zone.

PHOTOCELL

Photocells shall be equal to Tork 2101 built in junction box with internal threading for mounting on conduit. Control shall be single pole, single throw, for voltage as scheduled on drawings. Unit shall be complete with outside shield.

LIGHTING CONTACTORS

Contactors shall be electrically held, multi-pole, of voltage as shown on drawings in surface mounted NEMA I enclosure. Contactors shall be for use with tungsten, fluorescent or mercury arc lighting. Contactor shall be equal to Square D class 8903 with H-O-A switch.

END OF SECTION