

SECTION 16140

WIRING DEVICES

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Furnish and install wiring devices and coverplates of the type and kind as herein after indicated on the drawings.

1.02 REFERENCE DOCUMENTS

- A. The Special Provisions for Electrical Work are hereby made a part of this section of the work. Refer to Section 16010.

1.03 SUBMITTALS

- A. Submit complete manufacturer's specification data on each wiring device proposed to be furnished to the job.

1.04 QUALITY ASSURANCE

- A. Each wiring device shall be of design, type and configuration established by NEMA Standards for the application used.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Devices shall be Specification grade, UL and CSA certified, listed NEMA Standard, and suitable for the service required in the intended use of the device in this installation.
- B. Where devices manufactured by Arrow - H&H , Bryant, Hubbell, P&S or Sierra are named, only equivalent devices by the other of these manufacturers will be acceptable. Unless otherwise indicated, devices shall be as follows:
 - 1. Wall Switches: 20 ampere, 120 and 277 volt AC, P&S No. CSB-20 AC1 I, CSB-20 AC2 I, CSB-20 AC3 I AND CSB-20 AC4 I for single pole, double pole, three-way and four-way respectively.
 - 2. Convenience Outlets: Duplex receptacles P&S 5362-I or 5361-I 20 ampere, 125 volts with pair of NEMA 5-20R Standard 3 contact grounded parallel slot contacts Ivory finish.

3. Disconnect Switches: Provide as appropriate at R.O. machine, HVAC equipment, electric hot water heaters, etc.
4. Patient Station Dedicated Receptacles one (BROWN) 20 amp, GFCI Hospital Grade and one (IVORY) Hospital Grade on a ganged 20 amp. circuit (max. 2 receptacles per circuit) each mounted in separate box with separate cover plate-color to match.
5. Outlet for R.O. machine shall be NEMA L15-30R for 3 & 5 hp. (30 amp.) and Leviton Model #CS83-69 (50 amp.) for 7.5 hp. motor.
6. Switched outlets for R.O. holding tank shall be Bryant Model #70520FR
7. Manual motor starter Square D class 2510 with overload heater sized to the motor.
8. Flush floor outlets shall be Hubbell or equal, B2537 shallow floor box semi-adjustable with S-3725 brass duplex screw cover and NEMA 5020R receptacle.
9. Other receptacles: Other receptacles shall be of type and characteristics and NEMA configuration to provide service as indicated for the special service as indicated elsewhere.

C. COVERPLATES

1. General: Opening in Plates properly fit the wiring Devices associated with the outlets. Plates shall overlap outlet box edges for installation over finished room surfaces and shall be the non-over hanging type to fit conduit boxes used with exposed conduit runs. All plates shall be smooth.
2. Future or Abandoned Outlet: Blank Plate.
3. All Finished Spaces: Sierra Type RP smooth plastic.
4. On the inside face, on each coverplate, record corresponding panel board and circuit number in permanent marker.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Each device shall be suitable for type of service for which it is installed. Device shall be of NEMA configuration and of Specification Grade and/or Hospital Grade for those services to which the device is installed where those standards are established.

Devices indicated adjacent to each other shall be in the same box and set under a common plate. Suitable barriers shall be provided in the box for separation of each device from adjacent devices where required by code.

- B. Install suitable coverplates on all wiring devices.
- C. Device colors shall be Ivory unless selected and installed to match the decor of the occupancy and other standard colors as set forth elsewhere in these contract documents or as selected by the Owner. Other colors shall be provided when so directed by the Owner.
- D. Bedside devices shall consist of one brown receptacle on dedicated circuit and one ivory duplex outlet gang connected in separate boxes with separate cover plates.
- E. Mount all switches and/or devices as shown on electrical drawings and Architectural Standards Mounting heights detail.
- F. Wire all devices with proper polarity and suitably grounded. Provide Appleton or equal SCR 1032 PTL1 green head grounds screw and 6 inch pigtail in every box.
- G. Each cover plate shall be marked with the panel and circuit number with permanent marker on the inside of the cover plate.

END OF SECTION