

SECTION 262726 – WIRING DEVICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. This Section specifies the wiring devices for buildings and structures.
 - 2. Provide all labor, materials, and equipment as necessary to complete all work as indicated on the drawings, and as specified herein.
- B. Related Sections include the following:
 - 1. Applicable sections of Division 26 - Electrical

1.3 SUBMITTALS

- A. Shop Drawings:
 - 1. Switches
 - 2. Receptacles
 - 3. Receptacle and switch cover plates
 - 4. Floor boxes and all associated fittings and components
 - 5. Relays
 - 6. Time switches

1.4 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- B. Comply with NFPA 70, “National Electrical Code”

PART 2 - PRODUCTS

2.1 SWITCHES

- A. Switches, single, 2 pole, 3 way, 4 way and key type, shall be lifetime quiet type, Cooper 2200 series, Hubbell HBL1200 series, Leviton 1200 series, or equal P. and S., color brown.
- B. Switch and pilot light combination shall consist of switch, Cooper 2200 series, and a flush neon pilot light, 125 volt with red plastic jewel, Cooper 277 or Leviton catalog no. 5336.
- C. Switch and pilot light combination shall be Leviton catalog no. 5226, 15A., 120 VAC single pole switch and 1/25W, 125V. neon pilot light, red jewel face.
- D. Pressswitch single, 2 pole, 3 and 4 way, shall be Hubbell 1200 series, color brown.
- E. Three position, two circuit, momentary contact switches shall be such as Hubbell catalog no. 1556, 15A., 120-277V. color brown or equal Cooper, Leviton, or P. and S.

2.2 RECEPTACLES

- A. In general, duplex receptacles shall be 20 ampere, 125 volt, 3 wire, grounding type, heavy duty, specification grade, color brown. Receptacles shall be:
 - 1. Cooper 5362
 - 2. Hubbell HBL5362
 - 3. Leviton 5362
 - 4. Pass and Seymour 5362A
- B. 15 ampere, 125 volt, 3 wire grounding type duplex receptacles shall be heavy duty, specification grade, color brown. Receptacles shall be:
 - 1. Cooper 5262
 - 2. Hubbell HBL5262
 - 3. Leviton 5262
 - 4. Pass and Seymour 5262A
- C. Ground fault circuit interrupter receptacles shall be self-testing, specification grade 20 ampere, 125 volt, with feed through, color brown. GFCI receptacles shall be:
 - 1. Eaton TWRS GF20FB
 - 2. Leviton G5362-OWT
- D. 15 ampere, 125 volt, 3 wire duplex receptacles with isolated ground, shall be Hubbell catalog no. IG-5262, Leviton catalog no. 5262-IG, Cooper catalog no. IF5262, or equal P. & S.
- E. 15 ampere, 125 volt, 3 wire, grounding type with transient voltage surge suppressor for computer outlets, shall be Leviton catalog no. 5280.

- F. 20 ampere, 250 volt, 3 wire twist-lock receptacle, shall be Hubbell catalog no. 2320, Leviton catalog no. 2320, or equal Cooper or P. & S.
- G. 30 ampere, 125 volt, 2 pole, 3 wire receptacle shall be such as Hubbell catalog no. HBL9308, Leviton catalog no. 5371, or equal Cooper or P. & S.
- H. 30 ampere, 125 volt, 2 pole, 3 wire twist-lock receptacle with isolated ground, shall be Hubbell catalog no. IG-2610, Leviton catalog no. 2610-IG, or equal Cooper or P. & S.
- I. 30 ampere, 250 volt, 2 pole, 3 wire receptacle shall be such as Hubbell catalog no. HBL9330, Leviton catalog no. 5372, or equal Cooper or P. & S.
- J. 30 ampere, 250 volt, 2 pole, 3 wire twist-lock receptacle, shall be Hubbell catalog no. 2620, Leviton catalog no. 2620, or equal Cooper or P. & S.
- K. 15 ampere, 250 volt, 3 wire grounding type, single receptacle for window a.c. unit shall be Hubbell catalog no. 5652 or Leviton catalog no. 5661.
- L. 20 ampere, 250 volt, 3 wire, single receptacle for window a.c. unit shall be Hubbell catalog no. 5461 or Leviton catalog no. 5461.
- M. 20 ampere, 250 volt, 2 pole, 3 wire, single phase, duplex receptacle shall be Hubbell catalog no. 5462 or Leviton catalog no. 5462.
- N. 20 ampere, 125/250 volt, 3 pole, 4 wire grounding, single phase receptacle shall be Hubbell catalog no. HBL8410.
- O. 20 ampere, 250 volt, 3 pole, 4 wire grounding, 3 phase single receptacle shall be Hubbell catalog no. HBL8420.
- P. Floor receptacles shall be Walker 500 AL series, G.E. Co. SP-400RG, or National no. 7903-LGC.
- Q. Clock outlets shall be Leviton catalog no. 5261-CH. Clock outlets to be mounted 6 inches to center below suspended ceiling or 7 feet above the floor in rooms without suspended ceiling.

2.3 COVER PLATES

- A. Switch and receptacle plates shall be stainless steel, non-magnetic type 302, such as Hubbell 97000 series, except where specified otherwise.

Indicate on the drawings were the following plates should be used.

- B. Switch and receptacle plates in corrosion areas such as chemical laboratories shall be Leviton unbreakable nylon, color brown.

- C. Switch and receptacle plates shall be brown bakelite, such as Hubbell 91000 series, Leviton 84000 series, or approved equal.
- D. Weatherproof receptacle rain tight while in use covers shall be Hubbell WP826 series, Leviton 5970 or 5990 series, or equal Cooper or P. & S.
- E. Weatherproof switch plates shall be Hubbell catalog no. 1750 gray hypalon presswitch plate.
- F. Weatherproof switch plates shall be Hubbell catalog no. 1785 gray hypalon presswitch plate with 125V. red pilot light.

2.4 FLOOR BOXES

- A. Floor box shall be Steel City Series 600 cast iron box with P60-DS bronze floor plate assembly and P60-CP bronze carpet plate (use when floor finish is carpet).

2.5 SPECIAL CONTROLS

- A. As specified, special controls shall be furnished by the contractor furnishing the associated equipment. These controls shall be connected by the electrical contractor.
- B. Refer to Mechanical Specifications.

2.6 TIME SWITCHES

- A. Connect time clock controlling supply, exhaust, and recirculating air fans as specified in the Mechanical Sections. Time clocks to be furnished by Mechanical Contractor.
- B. Time switches for outside building lights shall be Intermatic no. V45471CR Astronomic Dial Series, DPST, 40 amperes, 125 volt.

When using the following paragraph for window or thru-wall air conditioners and the air conditioner load is greater than the contact rating of the time switch, use the relay specified in section 262913.

- C. 6 hour spring wound time switches, 20 ampere, 125 volt AC, SPST, shall be Dayton catalog no. 4A218A, without hold position, or approved equal.
- D. Time switches to control individual room lights shall be Intermatic catalog no. T101, SPST, 125 volt, 40 amp., or approved equal.

2.7 RELAYS

- A. Multiple pole relays shall be Square D Class 8501, Type X, 600 volt, 10 ampere, or approved equal, Westinghouse, General Electric, Challenger, Cutler-Hammer, or Siemens number of poles and type of enclosure as noted on drawing.

2.8 EMERGENCY-OFF STATION

- A. Emergency-off station to control contactor panel shall be such as Square D, Class 9001, Type K-15 break-glass operator with KA-2 N/O contact block, K-25 stainless steel plate, flush mounting, and KN-299 EMERGENCY-OFF legend plate.

Include the following paragraph if emergency-off is to shut down air conditioning as well as contactor panel.

- B. Emergency-off station to control contactor panel and air conditioning system shall be such as Square D, Class 9001, Type K-15 break-glass operator with 2 KA-2 N/O contact blocks, K-25 stainless steel plate flush mounting, and KN-299 EMERGENCY-OFF legend plate.

PART 3 - EXECUTION

3.1 SWITCHES

- A. Switches, unless otherwise noted, shall be mounted 48 inches to center above finished floor.

3.2 RECEPTACLES

- A. Receptacle outlets, unless otherwise noted, shall be mounted 18 inches to center above finished floor.

END OF SECTION 262726