

SECTION 260537 - ELECTRICAL BOXES AND FITTINGS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- B. This section is a Division 26 Basic Electrical Materials and Methods section, and is a part of each Division 26 section making reference to electrical wiring boxes and fittings specified herein.

1.02 SCOPE OF WORK

- A. Electrical boxes and fittings shall be provided as required for the work indicated by the drawings.
- B. Electrical boxes and fittings specified in this section include the following:
 - 1. Outlet boxes for wiring devices.
 - 2. Junction boxes.
 - 3. Pull boxes.
 - 4. Bushings.
 - 5. Locknuts.
 - 6. Knockout closures.

PART 2 - PRODUCTS

2.01 FABRICATED MATERIALS

- A. Outlet boxes shall be constructed of galvanized flat rolled sheet-steel of shapes and sizes suitable for installation of wiring devices. Construct outlet boxes with mounting holes and with cable and conduit-size knockout openings in bottom and sides. Provide boxes with threaded screw holes, with corrosion-resistant cover and grounding screws for fastening surface and device type box covers and for equipment type grounding.
- B. Outlet box accessories shall be provided as required for each installation, including box supports, mounting ears and brackets, wallboard hangers, box extension rings, fixture studs, cable clamps and metal straps for supporting outlet boxes, which are compatible with outlet boxes being used to fulfill installation requirements for individual wiring situations.
- C. Junction and pull boxes shall be constructed of galvanized code-gauge sheet steel with screw-on covers of types, shapes and sizes to suit each respective location and installation. Boxes shall be of riveted or welded construction and shall have plain machine screw attached covers.

- D. Provide corrosion-resistant box knock-out closures, conduit locknuts, non-metallic conduit bushings of types and sizes to suit respective installation requirements and applications.
- E. Boxes shall be constructed in accordance with NEMA and J.I.C. Standards and shall bear the Underwriter's Label where applicable.

PART 3 - EXECUTION

3.01 INSTALLATION OF ELECTRICAL BOXES AND FITTINGS

- A. Install electrical boxes and fittings as required in accordance with the applicable requirements of NEC and NECA's "Standard of Installation".
- B. Coordinate installation of electrical boxes and fittings with wire/cable, wiring devices and raceway installation work.
- C. Provide knockout closures to cap unused knockout holes where blanks have been removed.
- D. Install electrical boxes in those locations which ensure ready accessibility to enclosed electrical wiring.
- E. Avoid installing boxes back-to-back in walls. Provide not less than 6-inch separation.
- F. Position recessed outlet boxes accurately to allow for surface finish thickness.
- G. Fasten electrical boxes firmly and rigidly to substrates or structural surfaces to which attached or solidly embed electrical boxes in concrete or masonry.
- H. Pull boxes shall be installed approximately 100 feet apart in all feeder conduit runs and as required to overcome physical obstructions of the installation.
- I. Outlet boxes shall be identified with "felt tip magic markers" as to the panel, circuit number and voltage which they contain.
- J. Pull boxes shall be identified with engraved laminated plastic nameplates stenciled labels identifying the feeder and voltage.

END OF SECTION 260537