

1. GENERAL

1.1 Work Included

- .1 Provide a complete system of splitters boxes and cabinets for the installation of wiring and equipment.

1.2 Shop Drawings and Product Data

- .1 Submit shop drawings and product data for cabinets in accordance with Section 16010 Electrical General Requirements and Section 01300 Submittals.

2. PRODUCTS

2.1 Junction Boxes and Pull Boxes, Weatherproof

- .1 Materials:
 - .1 Cast steel, Crouse Hinds, WBJ Series.

2.2 Junction Boxes and Pull Boxes, Indoor Dry Locations

- .1 Materials:
 - .1 Code gauge sheet steel, welded construction, phosphatized and factory paint finish.
- .2 Components:
 - .1 For flush mounting, covers to overlap box by 25 mm minimum all around with flush head cover retaining screws.
 - .2 Use rolled edges for surface boxes.
- .3 Junction boxes mounted in exterior walls shall be complete with box vapour barriers.

2.3 Cabinets

- .1 Materials:
 - .1 Cabinets: Code gauge sheet steel, welded construction, phosphatized and factory paint finish, suitable for field painting.
 - .2 Locks: to match panelboards.
- .2 Components:
 - .1 With hinged door and return flange overlapping sides, with handle, lock and catch for surface mounting, size as indicated or to suit.

- .2 Install a back mounting plate for DIN rail mounted terminal blocks. Plate to be painted white enamel.
- .3 Install metal divider in cabinets with more than one voltage.
- .4 Surface or flush with trim and hinged door, latch and lock and two keys, size as indicated or to suit. Keyed to match panelboard keys 19mm.

2.4 Splitters

- .1 Materials:
 - .1 Code gauge sheet steel, welded construction, phosphatized and factory paint finish.
- .2 Components:
 - .1 Formed hinged cover suitable for locking in the closed position.
 - .2 Main and branch lugs to match required size and number of incoming and outgoing conductors as indicated.
 - .3 At least three spare terminals on each set of lugs in splitters less than 400 AMP.

3. EXECUTION

3.1 Installation

- .1 Junction Boxes and Pull Boxes:
 - .1 Supply all pull boxes and junction boxes shown on the drawings or required for the installation.
 - .2 Boxes installed in party walls to be offset by a minimum of one stud space.
 - .3 Install in inconspicuous but accessible locations, above removable ceilings or in electrical rooms, utility rooms or storage areas.
 - .4 Identify with system name and circuit designation as applicable.
 - .5 Size in accordance with the Canadian Electrical Code, as a minimum.
- .2 Cabinets:
 - .1 Mount cabinets with top not greater than 1980 mm above finished floor, coordinated with masonry, panelboards, fire hose cabinets and similar items.
 - .2 Install terminal block where indicated.

.3 Splitters

- .1 Install splitters and mount plumb, true and square to the building lines.
- .2 Extend splitters full length of equipment arrangement except where indicated otherwise.

.4 Identification

- .1 Provide equipment identification in accordance with Section 16010 - Electrical General Requirements.

END OF SECTION