

1.1 RELATED WORK

1. Basic Electrical Materials and Methods Section 16050
2. Conduits Section 16111

1.2 SYSTEM DESCRIPTION

1. Provide boxes to suit each specified application. Locate as indicated.

2.1 OUTLET AND CONDUIT BOXES – GENERAL

1. Size boxes in accordance with CSA C22.1, Section 12.
2. Gang boxes where wiring devices are grouped.
3. Blank coverplates for boxes without wiring devices.

2.2 SHEET STEEL OUTLET BOXES

1. Electro-galvanized steel utility boxes for outlets connected to surface-mounted EMT conduit.
2. 4" (100mm) square or octagonal outlet boxes for lighting fixture outlets.
3. 4" (100mm) square outlet boxes with extension and plaster rings flush-mounting devices in finished plaster and tile walls.

2.3 CONDUIT BOXES

1. Cast FS or FD ferrous alloy boxes with factory-threaded hubs and mounting feet for surface wiring of switches and receptacles where exposed to moisture.

2.4 FITTINGS – GENERAL

1. Bushings and connectors with nylon insulated throats.
2. Knock-out fillers to prevent entry of foreign materials.
3. Conduit outlet bodies for conduit up to 1 ¼" (35mm) and pullboxes for larger conduits.
4. Double locknuts and insulated bushings on sheet metal boxes.

2.5 INSTALLATION OF BOXES

1. Support boxes independently of connecting conduits.
2. Fill boxes with paper, sponges or foam or similar approved material to prevent entry of construction material.
3. Provide correct size of openings in boxes for conduit and cable connections. Reducing washers not allowed.

4. Maintain continuity of vapour barrier where boxes are installed in exterior walls.
5. Boxes shall be mounted plumb and square with building lines.

END OF SECTION