

Part 1 General

1.1 RELATED SECTIONS

- .1 Section 01 00 10 – General Instructions.
- .2 Section 26 05 00 - Common Work Results for Electrical.
- .3 Section 26 05 34 - Conduits, Conduit Fastening and Fittings.

1.2 REFERENCES

- .1 Canadian Standards Association (CSA International)
 - .1 CSA C22.1-12 Canadian Electrical Code, Part 1 (22nd Edition), Safety Standard for Electrical Installations
 - .2 CAN/CSA C22.2 18-98 (R2003), Outlet Boxes, Conduit Boxes, and Fittings.

1.3 SUBMITTALS

- .1 Provide submittals in accordance with Section 01 00 10 – General Instructions.

1.4 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 00 10 – General Instructions.
- .2 Waste Management and Disposal:
 - .1 Separate waste materials for reuse and recycling in accordance with Section 01 00 10 – General Instructions.

Part 2 Products

2.1 BOXES, OUTLETS, CONDUIT BOXES

- .1 Outlet boxes, conduit boxes and fittings are based on CSA C22.2 No. 18.
- .2 Size boxes in accordance with CSA C22.1, Canadian Electrical Code, Part 1
- .3 Outlet conduit and junction boxes - general:
 - .1 100 mm square or larger outlet boxes as required for special devices.
 - .2 Gang boxes where wiring devices are grouped.
 - .3 Blank cover plates for boxes without wiring devices.

2.2 SHEET STEEL OUTLET BOXES

- .1 Electro-galvanized steel single and multi-gang flush device boxes for flush installation, minimum size 76 x 50 x 38 mm unless otherwise indicated. 100 mm square outlet boxes when more than one conduit enters one side with extension and plaster rings as required.

- .2 100 mm square outlet boxes with extension and plaster rings for flush-mounting devices in finished walls.

2.3 FITTINGS FOR THINWALL CONDUIT

- .1 All couplings and connectors at the sprinkler-proof equipment shall be steel-compression type (binding collar). For all other applications, steel set screw-type couplings and connectors shall be used. Cast type will not be acceptable.

2.4 FITTINGS -GENERAL

- .1 Bushing and connectors with nylon insulated throats.
- .2 Knock-out fillers to prevent entry of foreign materials.
- .3 Conduit outlet bodies for conduit up to 30 mm and pull boxes for larger conduits.
- .4 Double locknuts and insulated bushings on sheet metal boxes.

2.5 CONDUIT BOXES

- .1 Cast FS or FD ferrous boxes with factory-threaded hubs and mounting feet for outlets connected to surface-mounted conduit.

Part 3 Execution

3.1 INSTALLATION

- .1 Support boxes independently of connecting conduits.
- .2 Fill boxes with paper, sponges or foam or similar approved material to prevent the entry of construction material.
- .3 For flush installations, mount outlets flush with the finished wall using plaster rings to permit wall finish to come within 5 mm of opening.
- .4 Provide correct size of openings in boxes for conduit and armoured cable connections. Reducing washers not allowed.

END OF SECTION