

PART 1 - GENERAL

1.1 REFERENCES

- .1 CSA 22.1-15, Canadian Electrical Code.

PART 2 - PRODUCTS

2.1 OUTLET AND CONDUIT BOXES

- .1 General:
 - .1 Size boxes in accordance with CSA C22.1.
 - .2 100 mm square or larger outlet boxes as required for special devices.
 - .3 Gang boxes where wiring devices are grouped.
 - .4 Blank cover plates for boxes without wiring devices.
 - .5 Combination boxes with barriers where outlets for more than one system are grouped.
- .2 Sheet steel outlet boxes:
 - .1 Electro-galvanized steel single and multi-gang flush device boxes for flush installation, minimum size 75 x 50 x 38 mm or as indicated. 100 mm square outlet boxes when more than one conduit enters one side.
 - .2 100 mm square or octagonal outlet boxes for lighting fixture outlets.
- .3 Masonry boxes: electro-galvanized steel masonry single and multi-gang boxes for devices flush mounted in exposed block walls.
- .4 Concrete boxes: electro-galvanized steel concrete type boxes for flush mount in concrete with matching extension and plaster rings as required.
- .5 Conduit boxes:
 - .1 Cast FS or FD copper free aluminum boxes with factory threaded hubs and mounting feet for surface wiring of switches and receptacles.

2.2 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 32 mm and pull boxes for larger conduits.
- .4 Double locknuts and insulated bushings on sheet metal boxes. Use watertight locknuts for all cable/conduit terminations in process control cabinets and NEMA 3R/4/4X pull and junction boxes.

PART 3 - EXECUTION

3.1 OUTLET BOX, AND CONDUIT BOX INSTALLATION

- .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 armoured cable connections. Reducing washers not allowed.
- .4 Recess boxes in areas as directed by the Departmental Representative.

END OF SECTION