

Part 1 General

1.1 REFERENCES

- .1 CSA C22.1-2009, Canadian Electrical Code, Part 1.

1.2 SHOP DRAWINGS AND PRODUCT DATA

- .1 Submit shop drawings and product data in accordance with Section 01 33 00 - Submittal Procedures.

Part 2 Products

2.1 OUTLET AND CONDUIT BOXES GENERAL

- .1 Size boxes in accordance with CSA C22.1.
- .2 102 mm square 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.

2.2 OUTLET BOXES FOR METAL CONDUIT

- .1 General Requirements:
 - .1 Acceptable materials:
 - .1 Cast Aluminum
 - .2 Cast ferrous alloy with corrosion resistant epoxy coating.
 - .2 Finish
 - .1 Epoxy Enamel
 - .3 Suitable for threaded rigid conduit
 - .4 Mounting lugs as required.
 - .5 Wet location covers for all locations unless otherwise approved by the Contract Administrator.
 - .6 To CSA 22.2
- .2 Round Boxes:
 - .1 100mm (4") round.
 - .2 Tapped conduit openings and plugs.
 - .3 Manufacturer / Model:
 - .1 Crouse Hinds VXF series

- .3 Device Boxes
 - .1 FS or FD cast aluminum boxes with factory-threaded hubs and mounting feet for surface wiring of receptacles.
 - .2 Single gang unless specified otherwise.
 - .3 Manufacturer / Model:
 - .1 Crouse Hinds FS/FD series

2.3 CONDUIT BOXES

- .1 FS or FD cast aluminum boxes with factory-threaded hubs and mounting feet for surface wiring.

2.4 FITTINGS - GENERAL

- .1 Bushing and connectors with nylon insulated throats.
- .2 Conduit outlet bodies for conduit up to 32 mm and pull boxes for larger conduits.

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 entry of debris during construction. Remove upon completion of work.
- .3 Provide correct size of openings in boxes for conduit, mineral insulated and armoured cable connections. Reducing washers are not allowed.
- .4 Install all outlets surface mounted as required for the installation.
- .5 Affix computer printed label to each outlet box with panel and circuit number (eg. G10-5)
- .6 Provide boxes sized as required by the Canadian Electrical Code.

END OF SECTION