

## **Part 1        General**

### **1.1            REFERENCE STANDARDS**

- .1        Canadian Standards Association (CSA International)
  - .1        CSA C22.1-18, Canadian Electrical Code, Part 1, 27<sup>th</sup> Edition.

### **1.2            DELIVERY, STORAGE AND HANDLING**

- .1        Deliver, store and handle materials in accordance with manufacturer's recommendations.
- .2        Waste Management and Disposal:
  - .1        Separate waste materials for reuse and recycling.

## **Part 2        Products**

### **2.1            OUTLET AND CONDUIT BOXES GENERAL**

- .1        Size boxes in accordance with CSA C22.1.
- .2        102 mm square or larger outlet boxes as required.
- .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            GALVANIZED STEEL OUTLET BOXES**

- .1        One-piece electro-galvanized construction.
- .2        Utility boxes for outlets connected to surface-mounted EMT conduit, minimum size 102 x 54 x 48 mm.

### **2.3            CONDUIT BOXES**

- .1        Cast FD boxes with factory-threaded hubs and mounting feet for surface wiring of devices.

### **2.4            FITTINGS - GENERAL**

- .1        Bushing and connectors with nylon insulated throats.
- .2        Knock-out fillers to prevent entry of debris.
- .3        Conduit outlet bodies for conduit up to 35mm and pull boxes for larger conduits.
- .4        Double locknuts and insulated bushings on sheet metal boxes.

**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. Do not install reducing washers.
- .4 Vacuum clean interior of outlet boxes before installation of wiring devices.
- .5 Identify systems for outlet boxes as required.

**END OF SECTION**