

**PART 1**      **GENERAL**

**1.1**            **RELATED SECTIONS**

- .1      Section 26 05 00 – Common Work Requirements – Electrical.
- .2      Section 26 05 34 – Conduits, Conduit Fastenings and Fittings.

**1.2**            **REFERENCES**

- .1      Canadian Standards Association (CSA)
  - .1      CSA C22.1, Canadian Electrical Code, Part 1.

**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 for special devices.
- .3      Gang boxes where wiring devices are grouped.
- .4      Blank cover plates for boxes without wiring devices.
- .5      See details on drawings for electrical pedestal outlet box types.
- .6      Combination boxes with barriers where outlets for more than one system are grouped.
- .7      All conduits and boxes in electrical shed shall be rigid PVC.

**2.2**            **CONDUIT BOXES**

- .1      PVC or fibreglass FS and FD boxes with factory threaded hubs and mounting feet for surface wiring of switches, receptacles and controls. See drawings for details.

**2.3**            **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 32 mm 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 approved coverplates for lighting fixture junction boxes.
- .4      Provide correct size of openings in boxes for conduit, mineral insulated and armoured cable connections. Reducing washers are not allowed.
- .5      Vacuum clean interior of outlet boxes before installation of wiring devices.
- .6      Identify systems for outlet boxes as required.

**END OF SECTION**