

PART 1 - GENERAL

1.1 SCOPE OF WORK

- .1 Outlet and conduit boxes used for this project shall be constructed of UV resistant PVC.

1.2 PERFORMANCE CRITERIA

- .1 Install boxes and fittings in accordance with CSA C22.1 - Latest Edition and manufacturer's recommendations.

PART 2 - PRODUCTS

2.1 OUTLET AND CONDUIT BOXES GENERAL

- .1 Size boxes in accordance with CSA C22.1 - Latest Edition.
- .2 Non-metallic back box for mounting receptacle.
- .3 Non-metallic FD type back box for mounting 30 amp receptacle.
- .4 Non-metallic FD type back box for mounting 50 amp receptacle.

2.2 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.
- .5 Provide water-tight conduit hub for receptacle back box as per manufacturers requirements.

- .6 Provide threaded hub conduit adapter for threaded FD type receptacle back box. Provide thread sealant to establish a water tight seal on threaded connections.
- .7 Provide all required fittings to maintain a water-tight seal at all junction box conduit entry points.

PART 3 - EXECUTION

3.1 INSTALLATION

- .1 Support boxes independently of connecting conduits.
- .2 Installation shall be as per manufacturer's instructions.
- .3 Fill boxes with paper, sponges or foam or similar approved material to prevent entry of debris during construction.
- .4 Provide correct size of openings in boxes for conduit, and armored cable connections. Reducing washers are not permitted.
- .5 Confirm exact location of back boxes on site.