

PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 LOCATION OF CONDUIT

- .1 Drawings show all conduits in their approximate locations only.

1.3 APPROVALS, CODES, AND PERMITS

- .1 All Work shall be done in accordance with latest edition of the Canadian Electrical Code C22.1-2018.
- .2 Contractor shall present the drawings to the Electrical Inspection Authority for approval and obtain a permit before starting Work.
- .3 Notify the Departmental Representative of any changes required before proceeding.

PART 2 - PRODUCTS

2.1 CONDUIT

- .1 Liquid tight flexible conduit to CSA C22.2 No. 56. To be used for final connection to lighting fixtures.
- .2 Rigid PVC conduit: to CSA C22.2 No. 211.2. To be used below grade unless noted otherwise.
- .3 Rigid PVC conduit: to CSA C22.2 No. 211.2 to be used on new

wooden poles and jib crane as indicated.

2.2 CONDUIT
FASTENINGS

- .1 One-hole PVC straps to secure surface conduits 50 mm and smaller. Two-hole PVC straps for conduits larger than 50 mm.
- .2 Beam clamps to secure conduits to exposed steel work.
- .3 Channel type supports for two or more conduits at 1 m spacing on centre.
- .4 Threaded rods, 6 mm dia., to support suspended channels.

2.3 CONDUIT FITTINGS

- .1 Fittings for raceways: to CSA C22.2 No. 18-M1987.
- .2 Factory 90° bends are required for 25 mm and larger conduits.
- .3 Fittings manufactured for use with conduit specified, approved for encasement in slab.

2.4 EXPANSION
FITTINGS FOR RIGID
CONDUIT

- .1 Weatherproof expansion fittings with internal bonding jumper suitable for linear expansion and 19mm deflection in all directions as required.
- .2 Watertight expansion fittings with integral bonding jumper suitable for linear expansion and 19mm deflection in all directions as required.
- .3 Weatherproof expansion fittings

for linear expansion at entry to panel as required.

2.5 FISH CORD

- .1 6 mm stranded nylon pull rope with tensile strength of 5 KN.

PART 3 - EXECUTION

3.1 INSTALLATION

- .1 Install conduit in centre one-third of concrete slab in location as shown for conduits in deck.
- .2 Ensure conduit has a minimum concrete cover of 35 mm all around except where noted otherwise on drawings.
- .3 Place conduit between mats of steel and secure in position with tye wire.
- .4 Install sleeves where conduits pass through timber.
- .5 Install junction boxes for lighting on sides of poles in locations shown. Secure in place and fill with packing to be removed after concrete is placed.
- .6 Ensure system is intact and clear after concrete is poured. Remove and replace any blocked conduit.
- .7 Install pull rope in empty conduit before pouring concrete.
- .8 Swab conduits when system is complete.

- .9 Dry conduits out before installing wire.
- .10 Install rigid PVC conduit except where noted otherwise on drawings.
- .11 Install surface mounted rigid PVC conduit in shed.

END OF SECTION