

Part 1 General

1.1 SHOP DRAWINGS

- .1 Submit shop drawings for each pump showing model number, outline dimensions, motor mounting details, inlet and outlet connection details and pump starting and control characteristics.
- .2 Submit certified performance curves for each pump showing efficiency, pressure, net positive suction head (NPSH), and power input in kW (brake horsepower) against flow, from shut-off to free delivery through scheduled point of rating.

1.2 APPLICABLE CODES AND STANDARDS

- .1 CSA C820 - Energy Efficiency Test Methods for Small Pumps

Part 2 Products

2.1 SUBMERSIBLE SUMP PUMPS

- .1 Construction:
 - .1 Simplex, with epoxy coated cast iron housing, stainless steel shaft, non-clog bronze impeller, and mechanical shaft seal,
 - .2 114 litres per minute pumping capacity at 7.0 m of head,
 - .3 hermetically sealed motor with automatic overload protection,
 - .4 buoyant case and float switch,
 - .5 120VAC, 0.37 kW rated motor,

2.2 SUMP BASIN AND TRIM

- .1 Supply for installation by Division 3.
- .2 Fabrication:
 - .1 one piece moulded polyethylene
 - .2 200 litre capacity
 - .3 matching cover plate fitted with;
 - .1 couplings for pump discharge and electrical feeds.

Part 3 Execution

3.1 GENERAL

- .1 Make piping and electrical connections to pumps.
- .2 Set up and adjust controls/float.

3.2 SUMP INSTALLATION

- .1 Excavate rock in accordance with Section 31 23 33.01 - Excavating, Trenching and Backfill.
- .2 Place 150 mm (6 in) clear stone under prefabricated sump basin.
- .3 Install sump prior to pouring floor slab.

3.3 SUBMERSIBLE SUMP PUMP

- .1 Provide gate valve, check valve and union just above cover plate in discharge line from pump.
- .2 Provide discharge pipe.

3.4 TESTING

- .1 Site test sump pump:
 - .1 Set-up and test pumps and controllers to manufacturers procedures and provide test reports.

END OF SECTION