
Part 1 GENERAL

1.1 Reference Standards

- .1 CSA B137.3:20, Rigid Polyvinylchloride (PVC) Pipe and Fittings for Pressure Applications.
- .2 ASTM D1785-21a, Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120.

1.2 Submissions

- .1 Provide submissions in accordance with Section 01 33 00 – Submissions and Shop Drawings.

Part 2 PRODUCTS

2.1 Materials

- .1 PVC Piping and Fittings; All pipeline and fittings to be rigid schedule 40 polyvinyl chloride (PVC) pipe for pressure applications with solvent weld joints.
- .2 Ball Valves; Two-piece full port stainless steel solid ball valves, teflon seats, stainless steel handle and nut.

2.2 Restraint Thrust Block

- .1 Place restraining thrust blocks between valves, tees, bends, reducers as required by code.

Part 3 EXECUTION

3.1 Installation

- .1 Install piping as indicated and as per manufacturer's recommendations.
- .2 Pipe to be installed, allowing for drainage of all lines (min. slope 0.5%). All piping to be sized as shown on drawings. Install drain connections at low points of piping. Entire system shall be capable of being drained.

3.2 Leakage Test

- .1 A leakage test shall be conducted concurrently with the pressure test. The contractor shall apply all equipment necessary for conducting this test

3.3 Pressure Test

- .1 All pipes shall be pressurized to 690 kPa and visually inspected. All faulty or leaking connections shall be corrected. Test to be witnessed by *Departmental Representative*.

END OF SECTION
