

BUILDING DRAIN CLEANOUT

ONTARIO BUILDING CODE

7.4.7.1. Cleanouts for Drainage Systems

- (2) A cleanout fitting shall be provided on the upstream side and directly over every running trap.
- (5) Where there is a change of direction greater than 45° in a sanitary building drain or a sanitary building sewer, a cleanout shall be installed at each change in direction.
- (6) Every sanitary building drain or storm building drain shall be provided with a cleanout fitting that is located as close as practical to the place where the drain leaves the building.

7.4.7.4. Location of Cleanouts

- (4) Each change of direction of the piping between a cleanout fitting and the drainage piping or vent piping that it serves shall be accomplished by using 45° bends.

7.2.5.10. Plastic Pipe, Fittings and Solvent Cement Used Underground

- (1) Plastic pipe, fittings and solvent cement used underground outside a building or under a building in a drainage system shall be certified to,
 - (a) ASTM F626, "Acrylonitril-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste and Vent Pipe With a Cellular Core",
 - (b) CAN/CSA-B181.1, "Acrylonitril-Butadiene-Styrene (ABS) Drain, Waste, and Vent Pipe and Pipe Fittings",
 - (c) CAN/CSA-B181.2, "Polyvinylchloride (PVC) and Chlorinated Polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings",

- (d) CAN/CSA-B182.1, "Plastic Drain and Sewer Pipe and Pipe Fittings",
- (e) CAN/CSA-B182.2, "PSM Type Polyvinylchloride (PVC) Sewer Pipe and Fittings";
- (f) CAN/CSA-B182.4, "Profile Polyvinylchloride (PVC) Sewer Pipe and Fittings";
- (g) CAN/CSA-B182.6, "Profile Polyethylene (PE) Sewer Pipe for Fittings for Leak Proof Sewer Applications",
- (h) CAN/CSA-B137.2, "Polyvinylchloride (PVC) Injection Moulded Gasketed Fittings for Pressure Applications", or
- (i) CAN/CSA-B137.3, "Rigid Polyvinylchloride (PVC) Pipe and Fittings for Pressure Applications".

- (2) Except as permitted in Clause (h) and (i), plastic pipe used as described in sentence (1) shall have a stiffness equal or greater than 320 kpa.

OBJECTIVE

The potential of sewer gas entering the building could be a health or safety hazard if cleanouts are not installed properly. (Sewer gas can be dangerous, toxic, explosive, etc.)

The connections at the cleanout fittings are required to be air tight to ensure gases do not escape and disperse in the building. Properly glued connections shall be installed in accordance with the pipe/fitting manufactures specifications.

The installation of a cleanout shall be complete with a screw type cover fitted on a male/female fitting that is connected to the building drain pipe. The illustration below depicts a sample of a correctly installed cleanout arrangement.

