

1101.12.2 Rain leaders and conductors connected to a building storm sewer shall have a cleanout installed at the base of the outside leader or outside conductor before it connects to the horizontal drain.

1101.13 Rainwater sumps serving “public use” occupancy buildings shall be provided with dual pumps arranged to function alternately in case of overload or mechanical failure.

1102.0 Materials.

1102.1 Conductors.

1102.1.1 Conductors installed above ground in buildings shall be in accordance with the applicable standards referenced in Table 7-1 or equivalent International Standard(s) approved by the Authority Having Jurisdiction for above ground drain, waste and vent pipe.

1102.2 Leaders.

1102.2.1 Leaders installed outside shall be in accordance with the applicable standards referenced in Table 7-1 or equivalent International Standard(s) approved by the Authority Having Jurisdiction for above ground drain, waste and vent pipe; aluminum sheet metal; galvanized steel sheet metal; or copper sheet metal.

1102.3 Underground Building Storm Drains. Underground building storm drains shall be in accordance with the applicable standards referenced in Table 7-1 or equivalent International Standard(s) approved by the Authority Having Jurisdiction for underground drain, waste and vent pipe.

1102.4 Building Storm Sewers. Building storm sewers shall be in accordance with the applicable standards referenced in Table 7-1 or equivalent International Standard(s) approved by the Authority Having Jurisdiction for building sewer pipe.

1102.5 Subsoil Drains.

1102.5.1 Subsoil drains shall be constructed of materials specified in Table 14-1 or equivalent International Standard(s) approved by the Authority Having Jurisdiction.

1102.5.2 Subsoil drains shall be open-jointed or of perforated pipe, vitrified clay, plastic, cast-iron, or porous concrete.

1103.0 Traps on Storm Drains and Leaders.

1103.1 Where Required. Leaders and storm drains, when connected to a combined sewer, shall be trapped. Floor and area drains connected to a storm drain shall be trapped.

Exception: Traps shall not be required where roof drains, rain leaders, and other inlets are at

locations allowed under Section 906.0, Vent Termination.

1103.2 Where Not Required. No trap shall be required for leaders or conductors that are connected to a sewer carrying storm water exclusively.

1103.3 Trap Size. Traps, when installed for individual conductors, shall be the same size as the horizontal drain to which they are connected.

1103.4 Method of Installation of Combined Sewer. Individual storm-water traps shall be installed on the storm-water drain branch serving each storm-water inlet, or a single trap shall be installed in the main storm drain just before its connection with the combined building sewer. Such traps shall be provided with an accessible cleanout on the outlet side of the trap.

1104.0 Leaders, Conductors, and Connections.

1104.1 Improper Use. Leaders or conductors shall not be used as soil, waste, or vent pipes; nor shall soil, waste, or vent pipes be used as leaders or conductors.

1104.2 Protection of Leaders. Leaders installed along alleyways, driveways, or other locations where exposed to damage shall be protected by metal guards, recessed into the wall, or constructed from ferrous pipe.

1104.3 Combining Storm with Sanitary Drainage. The sanitary and storm drainage system of a building shall be entirely separate, except where a combined sewer is used, in which case the building storm drain shall be connected in the same horizontal plane through single wye fittings to the combined building sewer not less than 3m (10 ft.) downstream from any soil stack.

1105.0 Roof Drains.

1105.1 Material.

1105.1.1 Roof drains shall be constructed of materials specified in Table 14-1 or equivalent International Standard(s) approved by the Authority Having Jurisdiction.

1105.1.2 Roof drains shall be of cast-iron, copper or copper alloy, lead, plastic, or other approved acceptable materials.

1105.2 Dome or Strainer for General Use. Roof drains and overflow drains, except those draining to hanging gutters, shall be equipped with strainers extending not less than 100mm (4 in.) above the surface of the roof, immediately adjacent to the drain. Strainers shall have a minimum inlet area above the roof level, not less than 1-1/2 times the area of the conductor or leader to which the drain is connected.