

Chapter 11. Storm Drainage

§1101. General

A. Scope. The provisions of this Chapter shall govern the materials, design, construction, and installation of storm drainage.

B. Drainage Required. Roofs, paved areas, yards, courts and courtyards shall be drained into a storm sewer system.

1. Exception. Dumpster pad drains shall connect to the sanitary sewerage system in accordance with LAC 51:XXIII.3307.

C. Prohibited Drainage. Storm water shall not be drained into sewers intended for sewage only.

D. Expansion Joints. Expansion joints or sleeves shall be provided where warranted by temperature variations or physical conditions.

E. Subsoil Drains. Where subsoil drains are placed under the cellar or basement floor or are used to surround the outer walls of a building, they shall be made of open-jointed or horizontally split or perforated clay tile, asbestos cement pipe, or plastic pipe meeting the requirements of Table 703 of this code, not less than 4-inch diameter. When the building is subject to backwater, the subsoil drain shall be protected by an accessibly located backwater valve. Subsoil drains may discharge into a properly trapped area drain or sump. Such sumps do not require vents.

F. Building Subdrains. Building subdrains located below the building storm sewer level shall discharge into a sump or receiving tank, the contents of which shall be automatically lifted and discharged into the building gravity drainage system as required for building sumps.

G. Pumping System. Pumping systems installed to remove contents of collecting sumps shall include the sump pump, pit, and discharge piping as defined below.

1. Sump Pump. An automatic water pump for the removal of drainage from a sump, pit, or low point in a residential, commercial, or industrial property shall be of a capacity and head appropriate to anticipated use requirements.

2. Sump Pit. The sump pit size shall be not less than 18-inch (457 mm) diameter and may be constructed of tile, steel, plastic, cast iron, concrete, or other material accepted by the plumbing official, topped by a removable cover adequate to support anticipated loads in area of use. The pump floor shall provide permanent support for the pump.

3. Electrical service outlets, when required, shall meet the requirements of NFPA 70 or local codes.

4. Discharge piping shall meet the requirements of §1103.A, §1103.B, §1103.C or §1103.D of this code and shall include a gate valve and a full flow check valve. Size and fittings shall be the same size as, or larger than, pump discharge tapping.

H. Backwater Devices. The installation of backwater devices as protection for fixtures subject to backflow shall be in accordance with requirements of this Part.

I. Tests. The interior leaders and downspouts system shall be tested in accordance with §319.E of this code.

AUTHORITY NOTE: Promulgated in accordance with R.S. 40:4(A)(7) and R.S. 40:5(2)(3)(7)(9)(16)(17)(20).

HISTORICAL NOTE: Promulgated by the Department of Health and Hospitals, Office of Public Health, LR 38:2878 (November 2012).

§1103. Materials

A. Inside Conductors Including Above Ground Storm Drains. Conductors placed within buildings or run in vent or pipe shafts shall be aluminum, cast iron, galvanized steel, galvanized ferrous alloys, brass, copper tubing of a weight not less than that of copper drainage tube Type DWV, copper pipe or Schedule 40 plastic pipe.

B. Building Storm Drains. All building storm drains shall be of materials required for building drains in §§703.C and 703.D of this code.

C. Underground Building Storm Drains. Underground building storm drains, inside the building perimeter, shall be of cast iron soil pipe, ferrous-alloy piping, copper tube Type DWV, or Schedule 40 plastic piping.

D. Building Storm Sewers. The building storm sewer shall be of cast iron soil pipe, vitrified-clay pipe, concrete pipe, or plastic pipe meeting the requirements of Table 703 of this code.

AUTHORITY NOTE: Promulgated in accordance with R.S. 40:4(A)(7) and R.S. 40:5(2)(3)(7)(9)(16)(17)(20).

HISTORICAL NOTE: Promulgated by the Department of Health and Hospitals, Office of Public Health, LR 38:2878 (November 2012).

§1105. Specifications

A. Pipe, tubing, and fittings for storm drainage systems shall conform to the standards listed in Table 703 of this code.

AUTHORITY NOTE: Promulgated in accordance with R.S. 40:4(A)(7) and R.S. 40:5(2)(3)(7)(9)(16)(17)(20).

HISTORICAL NOTE: Promulgated by the Department of Health and Hospitals, Office of Public Health, LR 38:2878 (November 2012).

§1107. Conductors and Connections

A. Protection. Rain water conductors installed along alleyways, driveways, or other locations where they may be exposed to damage shall be protected.

B. Separation of Storm Drainage from Sanitary Sewers. The sanitary sewer and storm drainage systems of a building shall be entirely separate.

C. Floor Drains. Floor drains shall not be connected to a storm drain.

AUTHORITY NOTE: Promulgated in accordance with R.S. 40:4(A)(7) and R.S. 40:5(2)(3)(7)(9)(16)(17)(20).

HISTORICAL NOTE: Promulgated by the Department of Health and Hospitals, Office of Public Health, LR 38:2878 (November 2012).

§1109. Roof Drains

A. Material. Roof drains shall be of an approved corrosion resistant material with adequate strainer area and