

Sanitary Drainage Systems

11.1 MATERIALS

See Section 3.1.

11.2 BUILDING SEWERS AND BUILDING DRAINS

11.2.1 Sewer or Drain in Filled Ground

Building sewers or building drains that are installed in filled or unstable ground shall be installed in accordance with Section 2.6.

11.2.2 Existing Building Sewers and Building Drains

Existing building sewers and building drains may be used in connection with new building sewer and drainage systems only when found by examination to conform to the new system in quality of material prescribed by this Code.

11.2.3 Building Sewer and Building Drain Size

The size of the building sewer and the size of the building drain shall be determined by fixture unit loads connected in accordance with Table 11.5.1A.

11.3 DRAINAGE PIPING INSTALLATION

11.3.1 Slope of Horizontal Drainage Piping

- a. Horizontal drainage piping shall be installed in uniform alignment at uniform slopes not less than 1/4 inch per foot for 2-inch size and smaller, and not less than 1/8 inch per foot for 3-inch size and larger.
- b. Where conditions do not permit building drains and sewers to be laid with slope as great as that specified, a lesser slope may be permitted by the Authority Having Jurisdiction.

11.4 FIXTURE UNITS

11.4.1 Load on Drainage Piping

The load on drainage system piping shall be computed in terms of drainage fixture unit values in accordance with Table 11.4.1 and Section 11.4.2.

11.4.2 Conversion of Flow in GPM to DFU

Where the discharge rate of fixtures or equipment is expressed in gallons per minute (GPM), two (2) drainage fixture units (DFU) shall be allowed for each gallon per minute (GPM) of flow.