

**4714.1101 GENERAL.**

Subpart 1. **Section 1101.2.** UPC section 1101.2 is amended to read as follows:

**1101.2 Where Required.** Roofs, paved areas, yards, courts, courtyards, vent shafts, light wells, or similar areas having rainwater, shall be drained into a separate storm sewer system or into a combined sewer system where a separate storm sewer system is not available, or to some other place of disposal satisfactory to the Authority Having Jurisdiction. In no case shall water from roofs or any building roof drainage flow onto the public sidewalk. In the case of one- and two-family dwellings, storm water shall be permitted to be discharged on flat areas, such as lawns, so long as the storm water shall flow away from the building and away from adjoining property and shall not create a nuisance.

Subp. 2. **Section 1101.3.** UPC section 1101.3 is amended to read as follows:

**1101.3 Storm Water Drainage to Sanitary Sewer Prohibited.** Storm water shall not be drained into sewers intended for sanitary drainage unless approved by the municipal sewer authority or stated elsewhere in this code.

Subp. 3. **Section 1101.4.** UPC section 1101.4 is amended to read as follows:

**1101.4 Material Uses.** Rainwater piping placed within the interior of a building or run within a vent or shaft shall be of cast-iron, galvanized steel, wrought iron, brass, copper, lead, Schedule 40 ABS DWV, Schedule 40 PVC DWV, stainless steel 304 or 316L [stainless steel 304 pipe and fittings shall not be installed underground and shall be kept not less than 6 inches (152 mm) aboveground], or other approved materials. Changes in direction shall be in accordance with Section 706.0. ABS and PVC DWV piping installations shall be installed in accordance with applicable standards referenced in Table 1701.1.

UPC subsections 1101.4.1 through 1101.4.6 are maintained without amendment.

Subp. 4. **Section 1101.12.** UPC section 1101.12 is amended to read as follows:

**1101.12 Roof Drainage.**

**1101.12.1 Primary Roof Drainage.** When roof areas of a building are drained by roof drains, the location and sizing of the drains shall be coordinated with the structural design and pitch of the roof in accordance with section 1103 or as permitted elsewhere in this code. The roof drainage system shall be sized on a basis of a rate of rainfall of at minimum 4 inches per hour.

**1101.12.2 Secondary Drainage.** Secondary (emergency) roof drainage shall be provided in accordance with Minnesota Rules, chapter 1305.

**1101.12.2.1 Location.** Unless roof design is certified by a Registered Design Professional specializing in Structural Engineering for the maximum possible depth of water that will pond in accordance with Minnesota Rules, chapter 1305, secondary roof drainage shall be located 2 inches above the lowest point of the roof surface.

**1101.12.2.2 Engineered System.** Engineered siphonic roof drainage systems must not be utilized in the design of a secondary roof drainage system.

UPC Table 1103.1 is not amended.

Subp. 5. **Subsections 1101.12.2.2.1 and 1101.12.2.2.2.** UPC subsections 1101.12.2.2.1 and 1101.12.2.2.2 are deleted in their entirety.

**Statutory Authority:** *MS s 326B.43; 326B.435*

**History:** *40 SR 71; 45 SR 1007*

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