



North Central Texas
Council of Governments

Recommended Amendments to the 2024 International Plumbing Code

North Central Texas Council of Governments Region

The following sections, paragraphs, and sentences of the *2024 International Plumbing Code* are hereby amended as follows: Standard type is text from the IPC. Underlined type is text inserted. ~~Lined through type is deleted text from the IPC.~~ A double asterisk at the beginning of a section identifies an amendment carried over from the 2021 edition of the code and a triple asterisk identifies a new or revised amendment with the 2024 edition of the code.

Note: Historically NCTCOG has limited Chapter 1 amendments in order to allow each city to insert their local policies and procedures. We now have suggested certain items to be brought to the attention of cities considering adoption of the code that may be of concern to several jurisdictions. **It is still intended to be discretionary to each city to determine which Chapter 1 amendments to include.**

****Section 102.8; change to read as follows:**

102.8 Referenced codes and standards. The codes and standards referenced in this code shall be those that are listed in Chapter 15 and such codes, when specifically adopted, and standards shall be considered as part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Section 102.8.1 and 102.8.2. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the adopted amendments. Any reference to NFPA 70 shall mean the National Electrical Code as adopted.

Exception: Where enforcement of a code provision would violate the conditions of the listing of the *equipment* or *appliance*, the conditions of the listing and the manufacturer's installation instruction shall apply.

(Reason: Legal wording to recognize locally adopted codes and amendments adopted with referenced codes.)

****Section 305; change to read as follows:**

305.1 Protection against contact. Metallic piping, except for cast iron, ductile iron and galvanized steel, shall not be placed in direct contact with steel framing members, concrete or cinder walls and floors or other masonry. Metallic piping shall not be placed in direct contact with corrosive soil. Where sheathing is used to prevent direct contact, the sheathing shall have a thickness of not less than 0.008 inch (8 mil) (0.203 mm) and the sheathing shall be made of approved material ~~plastic~~. Where sheathing protects piping that penetrates concrete or masonry walls or floors, the sheathing shall be installed in a manner that allows movement of the piping within the sheathing.

(Reason: Allows for other materials to be accepted.)

****Section 305.4.1; changed to read as follows:**

305.4.1 Sewer depth. ~~Building sewers that connect to private sewage disposal systems shall be a minimum of [number] inches (mm) below finished grade at the point of septic tank connection.~~ Building sewers shall be a minimum of 12 inches (304 mm) below grade.

(Reason: Provides sewer depth that is common in this region. Deleted reference to private sewage disposal because a private sewage disposal code is not typically adopted in this region.)

*****Section 306.2.5; added to read as follows:**

*****306.2.5 Plastic sewer and DWV piping installation.** Plastic sewer and DWV piping installed underground shall be installed in accordance with the manufacturer's installation instructions and ASTM D2321. Trench width shall be controlled to not exceed the outside pipe diameter plus 16 inches or in a trench which has a controlled width equal to the nominal diameter of the diameter of the piping multiplied by 1.25 plus 12 inches. The piping shall be bedded in 4 inches of granular fill and then backfilled compacting the side fill in 6-inch layers on each side of the piping. The compaction shall be to a minimum of 85 percent standard proctor density and extend to a minimum of 6 inches above the top of the pipe.

(Reason: To follow manufacturer backfill requirements and to be clear to Inspectors out in the field.)

*****Section 403.1; add a second paragraph to read as follows:**

403.1 Minimum number of fixtures. Plumbing fixtures shall be provided in the minimum number as shown in Table 403.1, based on the actual use of the building or space. Uses not shown in Table 403.1 shall be considered individually by the Code Official. The number of occupants shall be determined by the *International Building Code*.

In other than E Occupancies, the minimum number of fixtures in Table 403.1 may be lowered, if requested in writing, by the applicant stating reasons for a reduction number and approved by the Building Official.

(Reason: To allow flexibility for designers to consider specific occupancy needs. To be consistent with the *International Building Code*.)

*** **Table 403.1; add footnote g to read as follows:**

g. Drinking fountains are not required in M Occupancies with an occupant load of 100 or less, B Occupancies with an occupant load of 25 or less, and for dining and/or drinking establishments.

(Reason: To allow flexibility for designer to consider specific occupancy needs.)

*****Section 413.4; change to read as follows:**

413.4 Required location for floor drains ~~Public laundries and central washing facilities.~~ Floor drains shall be installed in the following areas:

1. In public laundries and in the central washing facilities of multiple family dwellings, the rooms containing automatic clothes washers shall be provided with floor drains located to readily drain the entire floor area. Such drains shall have a minimum outlet of not less than 3 inches (76 mm) in diameter.
2. Commercial kitchens.
Exception: In lieu of floor drains in commercial kitchens, the Code Official may accept floor sinks.
3. Public restrooms.
4. Closets containing mop/service sinks.

(Reason: To make it more compatible with local health code practices and protection of facilities.)

***Section 502.3; change to read as follows:

502.3 Water heaters installed in attics. (Remain the same) As a minimum access to the attic space shall be provided by one of the following:

1. A permanent stair.
2. A pull-down stair rated for 300 lb. minimum.
3. An access door from an upper floor level.

(Reason: To recognize regional practices.)

**Section 608.17.5; change to read as follows:

608.17.5 Connections to lawn irrigation systems. The potable water supply to lawn irrigation systems shall be protected against backflow by an atmospheric-type vacuum breaker, a pressure-type vacuum breaker, a double-check assembly or a reduced pressure principal backflow preventer. A valve shall not be installed downstream from an atmospheric vacuum breaker. Where chemicals are introduced into the system, the potable water supply shall be protected against backflow by a reduced pressure principal backflow preventer.

(Reason: To recognize regional practices.)

**Section 703.6; Combined sanitary and storm public sewer. Delete

(Reason: not a standard practice in this region)

**Section 704.5; added to read as follows:

704.5 Single stack fittings. Single stack fittings with internal baffle, PVC schedule 40 or cast-iron single stack shall be designed by a registered engineer and comply to a national recognized standard.

(Reason: to allow owners, installers, inspectors, and design professionals to readily identify product markers to determine they meet all required standards.)

**Section 712.4.3; add Section 712.4.3 to read as follows:

712.4.3 Dual Pump System. All sumps shall be automatically discharged and, when in any "public use" occupancy where the sump serves more than 10 fixture units, shall be provided with dual pumps or ejectors arranged to function independently in case of overload or mechanical failure. For storm drainage sumps and pumping systems, see Section 1113.

(Reason: To address dual pump system. To provide reference for storm drainage systems.)

***Section 903.1.1; change to read as follows:

903.1.1 Roof extension unprotected. Open vent pipes that extend through a roof shall terminate not less than six (6) inches (152 mm) above the roof.

(Reason: To provide regional guidelines on standard installation methods for this area.)

**Section 1109; Combined Sanitary and Storm Public Sewer: delete this section.

(Reason: not a standard practice in this region)

*****Section 1202.1; delete Exceptions 1 and 2.**

(Reason: State law already specifies that Med Gas systems must comply with NFPA 99.)

*****Chapter 15; ASTM D2321; added to Referenced Standards**

ASTM D2321 - Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications.

306.2.5

(Reason: To add the reference standard as specified in the amendments.)

END