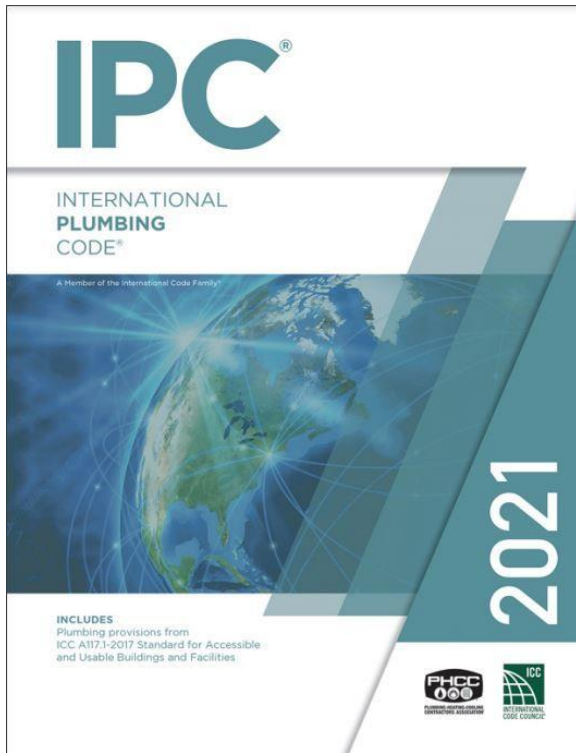


2021 INTERNATIONAL PLUMBING CODE SIGNIFICANT CHANGES



The City of McKinney is planning to change from the 2018 to the 2021 Edition of the International Plumbing Code (IPC) January 1, 2023. The following are significant changes to the IPC and its proposed amendments. The full text of the code is available through [ICC](#), and the proposed amendments are available through the North Central Texas Council of Governments ([NCTCOG](#)).

- **202 – Definition: Water dispenser**
 - **Modification:** Must be connected to the water service to serve as a fountain.
- **306.2.4 – Plastic sewer and DWV piping installation (amended by NCTCOG)**
 - **Addition:** Plastic sewer and DWV piping can be installed in accordance with manufacturer’s specifications but certain minimum standards for trenching and compaction are specified in this amendment.
- **403.1.1 – Fixture quantity calculations in multi-user restroom facilities**
 - **Clarification:** To calculate the number of required fixtures for a multi-user restroom designed to serve all genders, use 100% of the occupant load.
- **403.2 – Multi-user multi-gender toilet facility privacy measures**
 - **Modification:** Sets standards for stall in multi-user restrooms designed to serve all genders and stipulates that urinals must be in stalls or in a separate area.

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- **407.2 – Bathtub waste outlets and overflows**
 - **Modification:** Overflows are no longer required for bathtubs, protecting tub overflow is the bather’s responsibility.

- **606.1 – Location of full-open valves**
 - **Modification:** In multiple tenant buildings, where a common water supply piping system is installed to supply other than one- and two-family dwellings, a main shutoff valve shall be provided for each tenant.

- **607.1.2 – Tempered water temperature control**
 - **Modification:** Tempered water shall be controlled by one of the following:
 - A limiting device conforming to ASSE 1070/ASME A112.1070/CSA B125.70 and set to a maximum temp of 110°F (43°C)
 - A thermostatic mixing valve conforming to ASSE 1017
 - A water heater conforming to ASSE 1082
 - A water heater conforming to ASSE 1084
 - Conforming water heaters can now serve as the temperature limiting device.

- **609.2 – Group I-2, Condition 2 health care facilities (hospitals)**
 - **Modification:** Two separate water services are required. A tracer wire is now required for underground nonmetallic water service piping serving Group I-2 Condition 2 facilities (hospitals).

- **705.2.4 / 705.10.4 – Push-fit joints**
 - **Addition:** Push-fit DWV fittings of ABS or PVC are available for use. Such fittings eliminate the need for the solvent cementing of joints.

- **708.1.6 – Removable fixture traps as cleanouts**
 - **Addition:** Removable traps and fixtures that are removable without disturbing concealed piping can be used as substitutes for cleanouts.

- **717 / 718 – Relining/rehabilitation of building sewers and building drains**
 - **Addition:** The methods covered in sections 717 and 718 are considered as trenchless pipe restoration technologies.

- **903.1.1 – Roof extension unprotected (amended by NCTCOG)**
 - **Amendment:** Open vent pipes that extend through a roof shall terminate not less than six inches above the roof.
 - The IPC allows for a two-inch extension.

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- **915.1 – Food waste disposers on combination waste and vent systems**
 - **Modification:** The prohibition of a food waste disposer charging to a combination waste and vent system is removed.

- **1002.1 – Fixture traps**
 - **Modification:** A one, two or three-compartment pots and pans sink without a trap can be directly connected to a hydromechanical grease interceptor provided that the grease interceptor is in close proximity and connects to a drainage branch that has an emergency floor drain connected immediately downstream of the interceptor.

- **1102.6 – Roof drains**
 - **Modification:** Flow testing and rating of roof drains is required to be in accordance with the referenced standards.
 - ASME A112.6.4 or ASPE/APMO Z1034