Central Iowa Code Consortium

Plumbing Code

2018 Recommended Plumbing Code with Amendments

A **resolution** of the **Central Iowa Code Consortium** recommending adoption of the 2018 edition of the *Uniform Plumbing Code (with all State of Iowa Amendments)*, regulating and governing the erection, installation, alteration, repair, relocation, replacement, addition to, use, or maintenance of plumbing systems; by providing minimum requirements and standards for the protection of the public health, safety, and welfare.

---

*NOTE: The **Executive Committee** of the **Central Iowa Code Consortium** does acknowledge that this document was produced prior to the State of Iowa publishing 2018 State of Iowa Plumbing Code requirements. As such, participating communities are urged to obtain legal advice pertaining to the adoption of this document to ensure the ramifications of such adoption are completely understood.*

The **Executive Committee** of the **Central Iowa Code Consortium** does ordain as follows:

Section 1. That a certain document, being marked and designated as the *Uniform Plumbing Code*, 2018 edition, as published by the International Association of Plumbing and Mechanical Officials, 4755 E. Philadelphia Street, Ontario, CA 91761-2816, be and is hereby adopted as the Plumbing Code of the participating communities of the **Central Iowa Code Consortium,** for regulating and governing the erection, installation, alteration, repair, relocation, replacement, addition to, use, or maintenance of plumbing systems as herein provided; and each and all of the regulations, provisions, penalties, conditions and terms of said Plumbing Code are hereby referred to, adopted, and made a part hereof, as if fully set out in this legislation, with the additions, insertions, deletions and changes, if any, prescribed in Section 2 of this resolution.

Section 2. The following sections are hereby revised:

Modify Code Section: UPC 402.5

Insert the following language at the end of the Exception:

> Sanitary napkin receptor shall not be within the clear space of the water closet or bidet unless installed on the back wall.

Modify Code Section: UPC 407.3

Insert the following language at the end of the Code section:

Tempering devices shall be installed at or as close as possible to the point of use.

Modify Code Section: UPC 408.4

Insert the following Exception.

Exception: In a residential dwelling unit where a 2-inch waste pipe is not accessible, and approval from the Authority Having Jurisdiction has been granted, the waste outlet, fixture tailpiece, trap and trap arm may be 1 ½ inch when an existing tub is being replaced by a shower sized per Section 408.6(2). This exception only applies where one shower head rated at 2.5 gpm is installed.

Modify Code Section: UPC 409.4

Insert the following language at the end of the Code section:

Tempering devices shall be installed at or as close as possible to the point of use.

Modify Code Section: UPC 410.3

Insert the following language at the end of the Code Section:

Tempering devices shall be installed at or as close as possible to the point of use

Modify Code Section: UPC 418.3

Insert the following language:

(5) At least one floor drain or receptor approved by the AHJ shall be provided in each room where an automatic water heater is or will be installed and in each mechanical room. When installed in a basement floor, such floor drain shall be at least three inches in diameter. Floor drains in other locations may be no less than two inches in diameter.

Modify Code Section: UPC 608.5

Insert the following language to the end of Code section (2):

relief valve drains material and installation shall meet the manufacture approved temperature and pressure rating of the relief valve.

Modify Code Section: UPC 609.1

Insert the following language at the end of the Code Section:

Building supply yard piping wherever feasible shall be not less than 60 inches below earth cover.

Modify Code Section: UPC 701.2

Insert the following underlined language into the Code Section:

(2) ABS and PVC DWV piping installations shall be installed in accordance with applicable standards referenced in Table 701.2 and Chapter 14 "Firestop Protection." Except for individual single-family dwelling units, materials exposed within ducts or plenums shall have a flame-spread index of not more than 25 and a smoke-developed index of not more than 50, where tested in accordance with ASTM E84 or UL 723. ABS and PVC DWV piping may be installed in the vertical position between Cast Iron piping if supported properly and the cast iron does not impose a load on the vertical ABS or PVC piping. These tests shall comply with all requirements of the standards to include the sample size, both for width and length. Plastic pipe shall not be tested filled with water.

Add Code Section: UPC 703.1.1

Insert the following language:

703.1.1 Size of Drainage Piping. The main building drain shall be a minimum 4" diameter.

Modify Code Section: UPC 715.3

Insert the following language at the end of the Code Section:

> Compromised piping is determined by the AHJ that would consist of significant cracks, out of alignment piping, missing pieces from piping, and or fittings. If any portion of a bituminous fiber ("Orangeburg") building sewer fails, the Orangeburg sewer shall be replaced in its entirety from the building to the public sanitary sewer with new sewer that fully complies with this Code.

Modify Code Section: UPC 717.1

Replace the last sentence of the Code Section with:

> No building sewer shall be smaller than 4" in diameter and or the building drain.

Add Code Section: UPC 718.3.1

Insert the following underlined language to the Code Section:

> **718.3 Protection from Damage.** No building sewer or other drainage piping or part thereof, which is constructed of materials other than those approved for use under or within a building, shall be installed under or within 2 feet (610 mm) of a building or structure, or part thereof, nor less than 1 foot (305 mm) below the surface of the ground. Building sewers less than 42" below grade shall be protected with an engineered system to prevent damage from freezing and frost heave. The provisions of this subsection include structures such as porches and steps, whether covered or uncovered; breezeways; roofed porte cochere; roofed patios; carports; covered walks; covered driveways; and similar structures or appurtenances.

Modify Code Section: UPC 813.1

Insert the following underlined language to the Code Section:

813.1 General. In other than single family dwellings and duplexes, pipes carrying wastewater from swimming pools, wading pools, or hot tubs, including pool drainage, backwash from filters, shall be installed as an indirect waste by an air gap. Where the recirculation pump is used to discharge waste pool water to the drainage system, the pump discharge shall be installed as an indirect waste, with an air gap, to the sanitary sewer.

Modify Code Section: UPC 814.5

Insert the following underlined language to the Code Section:

814.5 Point of Discharge. Air-conditioning condensate waste pipes shall connect indirectly to a properly trapped fixture, floor drain or open sight drain, or except where permitted in Section 814.6, to the drainage system through an air gap or air break to trapped and vented receptors, dry wells, leach pits, sump pump, surface area (permission must be obtained from the building official for this point of discharge), the tailpiece of plumbing fixtures or indirectly to the building storm sewer through a roof drain. A condensate drain shall be trapped in accordance with the appliance manufacturer's instructions or as approved.

Modify Code Section: UPC 1014.1

Insert the following language at the end of the Code Section:

Notwithstanding provisions of section 1014.1, regulations of Fat Oil and Grease (FOG) and sizing of FOG removal devices where connected to Wastewater Reclamation Authority (WRA) system shall be in accordance with WRA regulations for the regulations of industrial wastewater and commercial wastewater. Grease drainage lines shall be clearly identified by one of the following ways.

1. Stenciled with "Grease Drainage". Letters size shall be 1½" for 2" piping, and 2" for 3" and larger piping. Stenciling shall be applied every 3 feet of piping and labeled at the future stubbed locations.

Or

2. Prior approval of an identification system approved by the AHJ.

Modify Code Section: UPC 1103.1

Insert the following language at the end of the Code Section:

Vertical leader shall be sized based on a 4 inch per hour rainfall.

Modify Code Section: UPC 1103.2

Insert the following language at the end of the Code Section:

Horizontal storm drains shall be sized based on a 4 inch per hour rainfall.

Modify Code Section: UPC 1103.3

Insert the following language at the end of the Code Section:

Gutters shall be sized based on a 4 inch per hour rainfall.

Modify Code Section: UPC 1208.5.3.4

Insert the following language:

1208.5.3.4 Corrugated Stainless Steel. Only CSST with an Arc Resistant Jacket or Covering System listed in accordance with ANSI LC-1 (Optional Section 5.16)/CSA 6.26-2016 shall be installed in accordance with the terms of its approval, the conditions of listing, the manufactures instructions and this code including electrical bonding requirements in Section 1211.2. CSST shall not be used for through wall penetrations from the point of delivery of the gas supply to the inside of the structure. CSST shall not be installed in locations where subject to physical damage unless protected in an approved manner.