

CHAPTER 23.25
LOCAL AMENDMENTS TO THE UNIFORM PLUMBING CODE
2000 EDITION

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23.25.100 Local Amendments To The Uniform Plumbing Code, 2000 Edition

Amendments to the 2000 Uniform Plumbing Code and appendices A, B, D, I, and L thereto except for Chapters 12 and 15 are adopted and listed hereafter by section. The last digits after the title and chapter digits of the section number are the section number of the Uniform Plumbing Code to which the amendment refers, e.g., 23.25.510.8 refers to Section 510.8 of the Uniform Plumbing Code.

23.25.103.3.6 Administrative Requirements

Add a new section to read as follows:

Refer to the Administrative Code for administrative requirements.

23.25.204.0 "B" Definitions

Amend by deleting the definition of BATHROOM and substitute the following:

BATHROOM: Any room or space containing a bathtub, shower, hot tub, Jacuzzi or swimming pool.

23.25.313.7

Amend paragraph by deleting all wording following “Building Code.” Paragraph shall read as follows:

All piping penetrations of fire resistance rated walls, partitions, floors, floor/ceiling assemblies, roof/ceiling assemblies, or shaft enclosures shall be protected in accordance with the requirements of the Building Code.

23.25.314.5.1

Amend paragraph by deleting the words “In seismic zones 3 and 4,” beginning the sentence with Hubless to read as follows:

Hubless cast iron piping.....

23.25.315.0 Trenching, Excavation, And Backfill

Amend paragraph 315.4 by adding after the third sentence the following:

Backfill material shall be 3/8” pea gravel or smaller. In the case of cast iron drain, waste and vent piping, the backfill material shall be ¾” gravel and earth or smaller.

23.25.409.2.2

Amend by adding the words, or for private use, after “dwelling units” to read as follows:

409.2.2 All water closet seats, except those within dwelling units or for private use, shall be of the open front type.

23.25.413.0 Minimum Number of Required Fixtures

Delete Section 413.0 and refer to 2000 International Building Code, Chapter 29 and Table 2902.1.

23.25.507.0 Combustion Air

Delete Section 507.0 Combustion Air and refer to the 2000 International Mechanical Code and the 2000 International Fuel Gas Code.

23.25.509.0 Prohibited Locations

Amend by adding new paragraph to Section 509.0 as follows:

Installation of water heaters in crawl spaces is prohibited unless prior approval is obtained from the administrative authority.

23.25.510.8 Relief Valve Discharge

Delete Section 510.8.

23.25. 510.9 Water Heater Enclosure

Add new paragraph 510.9 as follows:

510.9 Water heaters shall be provided with an approved floor drain within the water heater enclosure. Floor drains shall be readily accessible. In lieu of the floor drain, a water heater may be installed in a liquid tight pan provided with a minimum 3/4" (19 mm) O.D. drain opening located within 2" (50.8 mm) of the pan bottom. Pans shall be of an approved type acceptable to the administrative authority, and pan drains shall terminate at a floor drain or other approved location.

Exception: Water heaters installed on a concrete slab or grade, resting on the ground.

23.25.512-525

Delete sections 512 through 525.

23.25.603.0 Cross-Connection Control

Amend by adding the following:

PURPOSE AND SCOPE: The purpose of this section is to protect the public health by controlling or eliminating actual or potential installation of cross-connections. The control or elimination of cross-connections shall be in accordance with this code, the current edition of the cross-connection control manual published by the pacific northwest section of The American Water Works Association and the manual of Cross-Connection Control published by the University of Southern California Foundation for Cross-Connection Control. In the event that a conflict exists between the technical publications adopted herein and the Uniform Plumbing Code, the most stringent provision shall apply.

UNSAFE FACILITIES: The Municipality of Anchorage may refuse to furnish water and may discontinue services to any premises where plumbing facilities, appliances, or equipment using water are dangerous, unsafe, or not in conformity with the water utility tariff or other related Municipal ordinances. No potable water service connection to any premises shall be installed or continued in use by a purveyor unless the potable water supply is protected by all necessary backflow prevention devices and assemblies. The installation or maintenance of a cross-connection, which will endanger the quality of the purveyor's water supply, shall be unlawful and is prohibited.

ADMINISTRATIVE AUTHORITY: The Building Official or his authorized representative.

PURVEYOR: The operator or owner of a water supply.

PREMISES: Real property, including any house or building thereon, located within the Municipality of Anchorage.

CROSS-CONNECTION INSPECTIONS: No water shall be delivered to any structure hereafter built within the Municipality of Anchorage until it has been inspected by the Administrative Authority for possible cross-connections and been approved as being protected from such cross-connections.

Inspections will be made periodically of all potentially hazardous buildings, structures, or improvements of any nature now receiving water through the Municipal water system, for the purpose of ascertaining whether cross-connections exist. Such inspections shall be made by the Administrative Authority.

Any building modification requiring a plumbing or mechanical permit may require a cross-connection inspection and compliance.

POSSIBLE CROSS-CONNECTIONS: Backflow prevention assemblies or devices shall be installed in any premises where, in the judgment of the administrative authority, the nature and extent of activities, or the materials used or stored on the premises, could present a hazard to the potable water supply in the event a cross-connection were to be made; even though such cross-connection has not been made. Such circumstances include, but are not limited to:

- ?? Premises having an auxiliary water supply.
- ?? Premises having intricate plumbing arrangements which make it impractical to ascertain whether or not cross-connections in fact exist.
- ?? Premises where entry is restricted so that inspection for cross-connections cannot be made with sufficient frequency or at sufficiently short notice to assure that cross-connections do not exist.

- ?? Premises having a repeated history of cross-connections being established or re-established.
- ?? Premises on which any substance is handled under pressure, so as to permit entry into the water supply. This shall include the handling of process waters and cooling waters.
- ?? Premises where materials of a toxic or hazardous nature are handled in such a way that if back siphonage should occur, a health hazard might result.
- ?? The following facilities, when connected to a potable water supply, require backflow prevention assemblies or devices unless the Administrative authority determines that no hazard exists:
 - ?? Hospitals, mortuaries, and clinics;
 - ?? Laboratories;
 - ?? Metal plating industries;
 - ?? Piers and docks;
 - ?? Sewage treatment plants;
 - ?? Food or beverage processing plants;
 - ?? Chemical plants;
 - ?? Petroleum processing or storage plants;
 - ?? Radioactive material processing plants, nuclear reactors, or other facilities where radioactive materials may be utilized;
 - ?? Manufacturing facilities;
 - ?? Car wash facilities;
 - ?? Water systems not within the definition of potable water supply;
 - ?? Fire sprinkler systems;
 - ?? Medical/dental facilities;
 - ?? Waterfront facilities;
 - ?? Irrigation systems;
 - ?? Laundries and dry cleaners;
 - ?? High rise or other buildings above system pressure which require booster pumps; and
 - ?? Sand, gravel and concrete plants or other material processing plants.

23.25.603.3 General Requirements

Amend by adding a second paragraph to 603.3.1 as follows:

Backflow assemblies and devices will be approved if they have successfully passed both the laboratory and field evaluation tests conducted by the University of Southern California Foundation for Cross-Connection Control.

23.25.603.4.9 Water Cooled Compressors, Degreasers

Amend section by adding a second paragraph to read as follows:

Installation, operation or use of air conditioning or cooling units employing water or other fluid as a cooling agent without a recovery and recirculation unit is prohibited.

23.25.603.4.11 Potable Water Makeup Connections To Steam Or Hot Water Boilers

Amend by deleting paragraph 603.4.11 its entirety and substitute the following:

603.4.11 Potable water make-up connections to heating and/or cooling systems shall be provided with the minimum backflow protection as set forth below:

- 1 Hydronic Heating/Cooling systems using plain water or water/propyleneglycol mixture require, a double check valve backflow preventer with intermediate atmospheric vent. Water/propylene glycol mixtures must contain a food grade powder dye. Liquid food coloring is not acceptable. A warning label must be prominently installed on the backflow preventer or boiler stating the following information: "System contains propylene glycol. Use no substitute."
2. Hydronic Heating/Cooling systems containing any additives other than described in "1" above, require a listed reduced pressure principle backflow preventer
3. Steam boilers require a listed reduced pressure principle backflow preventer or air gap separation.
4. Cooling towers require a reduced pressure principle backflow preventer or air gap separation.

23.25.603.4.23 Potable Water Supply To Dental Chairs

Add new paragraph 603.4.23 as follows:

603.4.23 Potable water supply to each individual dental chair shall be protected by a backflow preventer as approved by the administrative authority.

23.25.604.1 Materials - Water Pipe And Fittings

Delete the second sentence of Paragraph 604.1.

23.25.604.2 Materials - Copper Tube

Amend Section 604.2 to delete the words "or underground outside of structures" in the Exception.

23.25.604.8 Materials - Plastic Pipe Materials

Amend by deleting paragraph 604.8 and the exception and substitute the following:

604.8 Plastic piping materials shall not be used for water service piping from the street service main to a building or premises.

23.25.608.0 Water Pressure, Pressure Regulators And Pressure Relief Valves

Amend by deleting paragraph 608.5 and substitute the following:

608.5 Relief valves shall be provided with a drain, not smaller than the relief valve outlet of galvanized steel or hard drawn copper pipe and fittings, CPVC or listed relief valve drain tube with fittings which will not reduce the internal bore of the pipe tubing (straight lengths as opposed to coils), and shall extend from the valve to a floor drain or other approved location inside the building. The drain pipe shall terminate not more that 2 feet (610 MM) nor less than 6

inches (152 MM) above the floor drain or other approved location and point downward. No part of such drain pipe shall be trapped, and the terminal end shall not be threaded. Each relief valve drain shall be piped independently of other relief valve drains.

23.25.609.10.1 Air Chambers

Delete paragraph 609.10.1 in its entirety and substitute the following:

609.10.1 Air chambers a minimum of 12 inches (305 mm) in length and the same diameter as the fixture supply shall be installed at all fixtures, or other approved mechanical devices shall be provided to reduce water hammer or line noises to such an extent that no pressure hazard to the piping system will exist.

23.25.610.8 Size Of Meter And Building Supply Pipe Using Table 6-5

Amend by deleting the last sentence of paragraph 610.8 and substitute the following:

No street service or building supply pipe shall be less than one (1) inch (25.4 mm) in diameter.

23.25.612.0 Indoor Water Meter Setter

Add new Section 612.0 Indoor Water Meter Setter and paragraphs 612.1, 612.2, and 612.3 as follows:

612.1 All newly constructed single family, duplex and triplex residences shall install an approved indoor water meter setter with meter idler or a removable section of pipe to facilitate the future installation of water meters in a horizontal position. It shall be located in the vicinity of the main supply full-way valve, ahead of any branch lines and shall also be valved on the outlet side. An easily accessible frost-proof area with adequate clearances shall be provided for meter installation, maintenance or removal. "Easily accessible" shall be considered an open area which is not concealed by an appliance, furnace, water heater or standard building material. When the meter is to be installed in under floor or crawl spaces, the maximum distance from the access opening to the meter shall not exceed 10 feet (3048 mm).

612.2 A horizontal section of pipe may be used in lieu of the indoor meter setter provided that the pipe is equal in length to a water meter of the same size including meter couplings, but in no case shall it be less than 20" in (508 mm) length. The piping shall be supported to provide a permanent support for the water meter when installed.

612.3 When the water tariff is revised to allow the metering of these residences the utility will furnish two meters and remote feed-outs at its expense and its crews will install remote read-out meters at the time of actual meter installation.

23.25.701.1.2

Amend paragraph by deleting the words: Chapter 15 "Firestop Protection for DWV and Stormwater Application." and replace with the words: the building code.

23.25.719.0 Cleanouts

Delete first paragraph of 719.1 and substitute the following:

719.1 Cleanouts shall be placed at the end of building drains, two feet (610 mm) outside building and shall be of same material as building drain.

23.25.TABLE 7-7 Minimum Horizontal Distance Required From Building Sewer

Amend Table 7-7, on-site domestic water service line as follows:

Change one (1) foot (0.3 mm) in right hand column to ten (10) feet (3048 mm).

23.25.801.3 Bar And Fountain Sink Traps

Amend paragraph 801.3 by deleting the words “5 feet” from the last sentence and substituting the words “15 feet.”

23.25.811.9 Chemical Wastes - Dental Vacuum Systems

Add paragraph 811.9 as follows:

811.9 Vacuum dental systems may be installed with schedule 40 PVC pipe and fittings, above and below grade. Piping and fittings installed in plenums or penetrating fire rated assemblies shall have a flame spread index of not more than 25 and a smoke-developed rating of not more than 50 when tested in accordance with the test for Surface Burning Characteristics of Building Materials, U.B.C. Standard 8-1, or to be protected by an approved fire and smoke rated material.

23.25.815.0 Condensate Wastes and Control

Delete Section 815.0.

23.25.903.1.2

Amend paragraph by deleting reference to “Chapter 15 Firestop Protection for DWV and Stormwater Application” and replacing with “the Building Code.”

23.25.TABLE 10-1 Horizontal Distance Of Trap Arms

Add ** and *** after Horizontal Distance of Trap Arms and add below Table 10-1 the following:

- ** Trap arms for residential floor drains may be extended beyond the limits of Table 10-1 to where they pass under the nearest wall before installing the required vent.
- *** A maximum of two (2) unvented floor drains may be installed in residential garages. Each drain shall have a three-inch (3") minimum trap and trap arm and two-inch (2") floor drain. The tail piece need not be vented. Both traps must tie into the main building drain separately.

23.25.1007.0 Trap Seal Protection

Amend section by adding the following exception:

Exception: R-3 occupancies (one- and two- family dwelling units).

23.25.1014.8 Grease Interceptors for Commercial Kitchens

Delete this section in its entirety.

23.25.1017.1 Interceptors Required

Amend by deleting reference to “550 gallons” and replacing with “100 gallons”.

23.25.1101.1 Where Required

Delete from the second sentence the words “In the case of one- and two-family dwellings,” and “such as streets or lawns”

23.25.1101.3 Material Uses

Amend by deleting reference to “Chapter 15 Firestop Protection for DWV and Stormwater Application.” and replacing with “the Building Code.”

23.25.1101.5. Subsoil Drains

Amend Section 1101.5.1 by adding to the beginning of the paragraph:

When required by the administrative authority...

23.25.1101.6 Building Subdrains

Amend Section 1101.6 by deleting the word “public” and inserting the word “storm.”

23.25.1101.9 Filling Stations And Motor Vehicle Washing Establishments

Amend Section 1101.9 by adding to the beginning of the paragraph:

When required by the administrative authority...

23.25.1101.11.1 Primary Roof Drainage

Delete the first sentence and replace with the following, to read as follows:

Roof areas of a building shall be drained by roof drains, gutters, scuppers, or sheet flow off the edge of the roof.

23.25.1101.11.2.2 Secondary Roof Drainage

Delete from the first sentence the words “shall be separate from the primary system and”

23.25.1102.0 Materials – Storm Drainage

Delete paragraph 1102.3 in its entirety and substitute the following:

Underground building storm drains shall be of service weight cast iron soil pipe, type DWV copper tube, or other approved materials.

23.25.1108.0 Controlled-Flow Roof Drainage

Delete Sections 1108.1 and 1108.2 in their entirety.

23.25.CH 12 Fuel Piping

Chapter 12 has not been adopted. Refer to the International Fuel Gas Code. The sizing methods in Sections 1217 and 1218 shall be considered acceptable methods of sizing gas piping.

23.25.1317.0 Materials – Medical Gas Systems

Amend Section 1317.4 by adding a second paragraph as follows:

Vacuum dental systems may be installed with schedule 40 PVC pipe and fittings, above and below grade. Piping and fittings installed in plenums or penetrating fire rated assemblies shall have a flame spread index of not more than 25 and a smoke-developed rating of not more than 50 when tested in accordance with the test for Surface Burning Characteristics of Building Materials, U.B.C. Standard 801, or to be protected by an approved fire and smoke rated material.

23.25.APPENDIX L Alternate Plumbing Systems

Delete Item L 3.2 in its entirety.