

ORDINANCES OF THE CITY OF HELENA, MONTANA

ORDINANCE NO. 3137

AN ORDINANCE AMENDING CHAPTER 7 OF TITLE 3 OF THE HELENA CITY CODE (PLUMBING CODE)

BE IT ORDAINED BY THE COMMISSION OF THE CITY OF HELENA,

MONTANA:

That Chapter 7 of Title 3 of the Helena City Code is hereby amended as follows:

CHAPTER 7

PLUMBING CODE

SECTION:

- 3-7- 1: Adoption; Amendments
- 3-7- 2: Permit Fees
- 3-7- 3: License; Application; Qualifications (Rep. by Ord. 3054,
3-27-2006)
- 3-7- 4: Permit Required
- 3-7- 5: Application for Permit
- 3-7- 6: Who May Obtain Permit
- 3-7- 7: Inspections Required
- 3-7- 8: Sanitary Plumbing Test
- 3-7- 9: House Drain Test
- 3-7-10: Miscellaneous Inspections
- 3-7-11: Test for Alterations And Additions
- 3-7-12: Alterations, Additions And Repairs
- 3-7-13: Approval Required
- 3-7-14: Certain Plumbing Codes Adopted

3-7-1: **ADOPTION; AMENDMENTS:** The Uniform Plumbing Code, 2006 2009 edition, published by the International Association of Plumbing and Mechanical Officials, as hereinafter amended, is hereby adopted and amended by the city commission and made a part hereof by this reference. Copies of this code may be obtained by interested persons calling on the clerk of the commission.

A. The following appendices to the code are hereby adopted:

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1. Appendix A (Recommended Rules for Sizing the Water Supply System);
 2. Appendix B (Explanatory Notes on Combination Waste and Vent Systems); and
 3. Appendix D (Sizing Storm water Drainage Systems).
- B. Section 103.1.3 is amended by the addition of the following language:
- The requirements for who must be licensed to perform plumbing work are regulated by Title 37, Chapter 69, MCA.
- C. Exemptions from requirements for plumbing permits are as follows:
1. No permit is required for any minor replacement or repair work, the performance of which does not have a significant potential for creating a condition hazardous to public health and safety;
 2. No permit is required where the installation is exempt under the provisions of Sections 50-60-503 or 50-60-506, MCA;
 3. The requirements for permits do not apply to regularly employed maintenance personnel doing maintenance work on the business premises of their employer unless the work is otherwise subject to permit provisions; and
 4. Factory-built buildings covered by an insignia issued by the state need not have a plumbing permit for the construction of the unit; however, a permit will still be required for the on-site portion of the work.
- D. Section 218 (Definition of Plumbing Systems) is amended to read:
- Includes all potable water supply and distribution pipes, all plumbing fixtures and traps, all drainage and vent pipes,

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building drains, and building sewers, including their respective joints and connections, devices, receptacles and appurtenances within the property line of any premises, and includes water heaters, and vents for the premises.

- ~~E.~~ Section ~~406.2~~ ~~405.2~~, ~~Prohibited Urinals~~, is amended by adding the following: ~~A~~Exception: ~~Nonwater~~ supplied urinals may be installed and shall be maintained in accordance with manufacturer=s installation instructions and required maintenance schedule. ~~A~~ properly sized drain, vent, and water supply line, permanently capped, shall be installed for future use in the event the owner decides or is ordered to replace the ~~nonwater~~ supplied urinal with a water supplied urinal.@
- ~~F~~E. Table 4-1, Minimum Plumbing Facilities, is deleted and replaced with the Minimum Required Plumbing Fixtures table set forth in section 24.301.351 of the Administrative Rules of Montana, entitled "Minimum Number of Plumbing Facilities, March 31, 2006 Edition.
- ~~G~~F. Section 508.14, paragraph one is amended to read as follows: "Gas utilization equipment, or any equipment that generates a glow, spark, or flame, in residential garages and in adjacent spaces that open to the garage and are not part of the living space for a dwelling unit shall be installed so that all burners, burner-ignition devices, and heating elements are located not less than 18 inches (450 mm) above the floor unless listed as flammable vapor ignition resistant."
- ~~H~~G. Section 603.3.3 is hereby deleted.
- ~~H~~H. Section 603.1, Approval of Devices or Assemblies, is amended to read as follows:

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Before any device or assembly is installed for the prevention of back flow, it must be approved by the city. Devices or assemblies must be tested for conformity with recognized standards or other standards acceptable to the city, so long as those standards are consistent with the intent of this code. All devices or assemblies installed in a potable water supply system for protection against back flow must be maintained in good working condition by the person or persons having control of such devices or assemblies. If found to be defective or inoperable, the device or assembly must be repaired or replaced. No device or assembly may be removed from use or relocated, nor may another device or assembly be substituted, without approval by the city.

¶I. Section 603.4.10 is amended by the addition of the following language:

Boiler feed lines, in single-family dwellings on their own private well, may be protected with a dual check valve with intermediate atmospheric vent when a nontoxic transfer fluid is used in the boiler.

¶J. Section 604.1 (Materials) is amended to read:

1. Water pipe and fittings shall be of brass, copper, cast iron, galvanized malleable iron, galvanized wrought iron, galvanized steel, or other approved materials;
2. Cast iron fittings used for water need not be galvanized if over 2 inches (51 mm) in size;
3. Asbestos-cement, PB, CPVC, PE, PEX, PEX-AL-PEX, or PVC water pipe manufactured to recognized standards may be used for cold water distribution systems outside a building; and except for asbestos-cement, may extend to a point within the

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foundation perimeter of the building, provided that the piping is buried a minimum of 12 inches, the piping is sleeved where it passes through concrete construction and the piping does not extend more than 24 inches out of the ground where it connects to approved interior cold water piping material; and

4. All materials used in the water supply system, except valves and similar devices, shall be of a like material except where otherwise approved by the administrative authority.

5. Table 6-4 is amended to add the following: PB is allowed for hot and cold water distribution.

HK. In Section 604.2, the exception is amended to read:

Exception: Type M copper tubing may be used for water piping when piping is above ground and in or on a building.

ML. In Section 610.8, the second paragraph is amended to read:

No building supply pipe shall be less than 3/4 inch (19.1 mm) in inside diameter.

NM. Section 701.1 is amended to read as follows:

"Drainage piping shall be case iron, galvanized steel, galvanized wrought iron, lead, copper, brass, Schedule 40 ABS DWV, Schedule 40 ABS DWV cellular core, Schedule 40 PVC DWV, Schedule 40 PVC DWV cellular core, extra-strength vitrified clay pipe, or other approved materials having a smooth and uniform bore, except that:

1. Galvanized wrought iron or galvanized steel pipe shall not be used underground, and it shall be kept at least six inches (152 mm) above ground.

2. ABS and PVC DWV piping installations must be installed in accordance with IS 5, IS9 and Chapter 15 "Firestop Protection for SWV and Storm water Application." Except for individual,

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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, when tested in accordance with the Test for Surface-Burning Characteristics of the Building Materials (See the building code standards based on ASTM E-84 and ANSI/UL 723).

3. Vitrified clay pipe and fittings shall not be used above ground or where pressurized by a pump or ejector. They shall be kept at least 12 inches (305 mm) below ground.

4. Copper tube for drainage and vent piping shall have a weight not less than that of copper drainage tube type DWV."

ØN. Section 701.1.4 is amended by the addition of the following language:

5. Copper tube for underground drainage and vent piping shall have a weight of not less than that of type L copper tube.

O. Section 704.3 is amended by deleting the first sentence and replacing it with: "There may not be a direct connection between the sewerage system and any drains originating from equipment in which food, portable equipment, or utensils are placed."

P. ~~In s~~Section 707.4, the first paragraph is amended to read by deleting the first sentence and replacing it with:

Each horizontal drainage pipe shall be provided with a clean out at its upper terminal and for each run of piping which is more than 50 feet in total developed length or fractional length thereof.

Q. Section 708.0 (Grade of Horizontal Drainage Piping) is amended to read:

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Horizontal drainage piping shall be run in practical alignment and at a uniform slope of not less than 1/4 inch per foot, or 2 percent, toward the point of disposal. Where such a slope proves impractical due to the depth of the street sewer or due to the structural features or arrangement of any building or structure, any such pipe or piping 2 inches or larger in diameter may have a slope of not less than 1/8 inch per foot or 1 percent.

R. Section 710.1 is amended to read:

Where a fixture is installed on a floor level that is lower than the next upstream manhole cover of the public or private sewer serving such drainage piping may be protected from the back flow of sewage by installing an approved type of backwater valve. Fixtures on floor levels above such elevations may not discharge through the backwater valve.

S. In Section 718.1, the exception is amended to read:

Exception: Where it is impractical due to depth of the street sewer or to the structural features or arrangement of any building or structure to obtain a 1/4 inch per foot slope, any pipe or piping of 3 inches or larger diameter may slope 1/8 inch per foot. Any pipe or piping 8 inches or larger in diameter may have a slope of 1/16 inch per foot.

T. Section 903.2.1 is amended to read as follows: Copper tube for underground drainage and vent piping must have a weight of not less than that of copper tube Type L.

U. Section 906.1 is amended to read:

Each vent pipe or stack shall extend through its flashing and

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terminate not less than 12 inches above the roof nor less than 1 foot from any vertical surface.

V. Section 906.3 is amended to read:

Vent pipes shall be extended separately or combined and shall be of full required size, not less than 12 inches above the roof or fire wall.

W. Section 906.7 is amended to read:

Where frost or snow closure is likely to occur in locations having a minimum design temperature below zero degrees Fahrenheit, vent terminals shall be a minimum of 3 inches in diameter, but in no event smaller than the required vent pipe. The change in diameter shall be made inside the building at least 1 foot below the roof and terminate not less than 12 inches above the roof or as required by the administrative authority.

X. Section 908.~~0~~1 is amended to read: Wet ~~v~~Venting.

Y. Section 908.1.1 is amended to read:

~~1.~~ 1. "Wet venting is limited to drainage piping receiving the discharge from the trap arm of one and two fixture unit fixtures that also serves as a vent for not over 4 fixtures~~;~~ and~~.~~

~~2.~~ 2. All wet vented fixtures shall be within the same story, provided that fixtures with a continuous vent discharging into a wet vent shall be within the same story as the wet vented fixtures."

Z. Section 908.1.2 is amended to read:

The piping between any two consecutive inlet levels shall be considered a wet vented section. Each wet vented section shall be minimum of one pipe size larger than the required minimum waste pipe size of the upper fixture or shall be one pipe size

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larger than the required minimum pipe size for the sum of the fixture units served by such wet vented section, whichever is larger, but in no case less than two (2) inches.

AA. Chapter 12, Fuel Piping, is deleted and replaced with the applicable adopted edition of the International Fuel Gas Code.

BB. Chapter 13, Health Care Facilities And Medical Gas And Vacuum Systems, is deleted except for Sections 1303.0, 1304.0, 1305.0, 1306.0, 1307.0, and 1308.0 which are retained. Chapter 13 is otherwise ~~and~~ replaced by the adoption and incorporation by reference of the National Fire Protection Association's Standard, NFPA99C, Gas and Vacuum Systems, 2005 Edition, as the standard for the installation of medical gas and vacuum systems; but which shall not be construed as replacing or superseding any applicable additional requirements for the testing and certification of medical gas and vacuum systems, inclusive of independent third party certification of the systems. (Ord. 2907, 4-9-2001; amd Ord. 2939, 7-8-2002; amd. Ord. 3019, 3-28-2005; amd. Ord. 3071, 11-20-2006; amd. Ord. 3084, 5-21-2007; amd. Ord. _____, ___-___-2010)

3-7-2: **PERMIT FEES:** No change.

3-7-3: **LICENSE; APPLICATION; QUALIFICATIONS:** (Rep. by Ord. 3054, 3-27-2006)

3-7-4: **PERMIT REQUIRED:** through

3-7-14: **CERTAIN PLUMBING CODES ADOPTED:** No change.

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FIRST PASSED BY THE COMMISSION OF THE CITY OF HELENA, MONTANA,
THIS 13th DAY OF SEPTEMBER, 2010.

/S/ James E. Smith
MAYOR

ATTEST:

/S/ Debbie Havens
CLERK OF THE COMMISSION

FINALLY PASSED BY THE COMMISSION OF THE CITY OF HELENA,
MONTANA, THIS 18th DAY OF OCTOBER, 2010.

/S/ James E. Smith
MAYOR

ATTEST:

/S/ Debbie Havens
CLERK OF THE COMMISSION