

(7) Or any other provision contained within Iowa Code section 103.22

(C00, § 26-452; 15,545, 15,632)

Secs. 26-453--26-499. Reserved.

ARTICLE V. MECHANICAL CODE

Division 1. Generally

Sec. 26-500. Adoption of State Mechanical Code.

- (a) The State Mechanical Code which, consists of the ~~2018~~ 2021 edition of the International Mechanical Code, published by the International Code Council, 4051 West Flosmoor Road, Country Club Hills, IL 60478 ("IMC"), with amendments, as provided in 641 I.A.C. 61.2(105), is adopted and incorporated by this reference in its entirety, as though set forth in this article, except as otherwise indicated in this article. This adoption of the State Mechanical Code is pursuant to Iowa Code Section 105.4.
- (b) This article and all provisions incorporated in this article, by reference or otherwise, shall be known as the mechanical code. References to section numbers not preceded by "26-" will be to sections in the State Mechanical Code.

(C00, § 26-500; 15,545, 15,834)

Sec. 26-501. Mechanical permit required.

- (a) Mechanical permits are required for any installation, alteration, repair, replacement, or remodel to a mechanical system regulated by the State Mechanical Code.
- (b) A fee for each mechanical permit shall be paid to the building official in the amount set in the schedule of fees adopted by the city council by resolution.

(C00, § 26-501; 15,545, 15,834)

Sec. 26-502. Mechanical permit exemptions.

The following are also excluded from the permit requirements of IMC section 106:

- (1) Section 106.2 shall not be interpreted to exclude any walk-in refrigerating systems of any kind from the permit requirements.
- (2) Minor repair, cleaning, adjustment, or replacement of minor parts of any heating, ventilating, cooling, or refrigeration equipment where the total cost of the work does not exceed \$100.00. This exemption shall be deemed to include adjustments by a gas supplier in a gas piping system due to the exchange or relocation of a gas meter.

(C00, § 26-502; 15,545)

Sec. 26-503—26-504. Reserved.

Division 2. Repealed by Ord. No. 15,834.

Sec. 26-505—26-520. Reserved.

Division 3. Repealed by Ord. No. 15,834

Sec. 26-521—26-449. Reserved.

Division 4. Licenses

Sec. 26-550. Mechanical and plumbing contractor's license.

Only those individuals or business entities holding a mechanical or plumbing contractor license issued by the Iowa plumbing and mechanical systems licensing board may apply for and obtain permits to conduct mechanical and plumbing work in the City of Des Moines.

(C00, § 26-550; 15,545, 15,834)

Sec. 26-551. Master, journeyman, and apprentice license required.

A person shall not install or repair plumbing, HVAC, refrigeration, or hydronic systems without first obtaining a license issued by the State of Iowa for the applicable trade or discipline, or install or repair medical gas piping systems without first obtaining a valid certification approved by the Iowa plumbing and mechanical systems examining board. Those persons working in the mechanical and plumbing trades or disciplines who have been issued a license by the Iowa plumbing and mechanical systems examining board pursuant to Iowa Code Chapter 105, shall be recognized as licensed and eligible to work in the city within the scope of activities authorized by such licenses.

(C00, § 26-551; 15,545, 15,834)

Secs. 26-552—26-599. Reserved.

ARTICLE VI. PLUMBING CODE

***Cross reference(s)**--Sewers and sewage disposal, § 118-31 et seq.; industrial waste, § 118-316 et seq.; water, § 118-586 et seq.; sewer districts, app. G.

Division 1. Generally

Sec. 26-600. Scope.

- (a) The provisions of the plumbing code shall apply to all new construction, relocated buildings, and to any alterations, repairs or reconstruction, except as otherwise provided for in the plumbing code.
- (b) Additions to, identified faulty work, alterations of and repairs to any part of an existing plumbing or drainage system, if covered by the plumbing code, shall comply with the provisions of the plumbing code. Further, the building official may, when such additions, alterations or repairs are made, order further reasonable additions or alterations in a building, structure, or premises when any work or installation regulated by the plumbing code is dangerous, unsafe, insanitary, constitutes a nuisance or is a menace to life, health or property, or is otherwise in violation of the plumbing code. The order shall be issued to the property owner or his or her authorized agent. Refusal, failure or neglect to comply with any lawful order of the building official shall constitute a violation of the plumbing code.
- (c) Installations which were in compliance with the city plumbing ordinances in existence at the time the installations were made shall be presumed to be safe and proper, which presumption can be rebutted by evidence that the installation is insanitary, dangerous, unsafe, constitutes a nuisance or is a menace to life, health or property, or is contrary to generally accepted standards of good practice.
- (d) Excavations within the public rights-of-way or upon city land are also subject to the requirements in article IX of chapter 102.

(C00, § 26-600; 15,545)

Sec. 26-601. Adoption of Uniform Plumbing Code.

- (a) The State Plumbing Code, which consists of Sections 101 and 102 and Chapters 2 to 17 of the [2018-2021](#) edition of the Uniform Plumbing Code, published by the International Association of Plumbing and Mechanical Officials, 4755 E. Philadelphia Street, Ontario, CA 91761, with amendments, as provided in 641 I.A.C., Chapter 25, and the [2018-2021](#) edition of the National Fuel Gas Code ("NFPA 54") published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471, and the 2017 edition of the Liquefied Petroleum Gas Code ("NFPA 58") published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471, as provided in 661 I.A.C., Chapter 226, are adopted and incorporated by this reference in their entirety as though set forth in this article, except as otherwise indicated in this article. This adoption of the State Plumbing Code is pursuant to I.C. Section 105.4.
- (b) This article and all provisions incorporated in this article, by reference or otherwise, shall be known as the plumbing code. References to section numbers not preceded by "26-" will be to sections in the State Plumbing Code.

(C00, § 26-601; 15,545, 15,835)

Sec. 26-602. Applicability to moved buildings.

Buildings or structures moved into the city shall comply with the provisions of the plumbing code for new buildings or structures.

(C00, § 26-602; 15,545)

Sec. 26-603. Applicability to subsurface drainage.

The provisions of section 26-650 of this article which relate to subsurface drainage shall apply to all such subsurface drainage from buildings, whether new or existing, if such drainage would, but for compliance therewith, discharge to a point upon or so adjacent to a public sidewalk or street as to permit the water so discharged to drain upon a public sidewalk or street. Failure to comply with this section shall constitute a violation of the plumbing code. It is specifically provided, however, that no offense shall be charged under this section for such discharge during periods of community emergency generated by extraordinarily high levels of precipitation.

(C00, § 26-603; 15,545)

Sec. 26-604. Applicability to county park property.

The provisions of this article shall not apply or be enforced within or upon county park property situated within the corporate boundaries of the city so long as the county shall maintain in force within the county a nationally recognized plumbing code and shall provide for the enforcement of such plumbing code within and upon such park property.

(C00, § 26-604; 15,545)

Sec. 26-605. Authority of building official.

The building official is responsible for the enforcement of the plumbing code and the rules and regulations of the state board of public health governing plumbing. When used in this article, the term "administrative authority" shall mean the building official or his or her duly authorized representative.

When it is impossible or impractical to install plumbing in strict compliance with the provisions of the plumbing code or any other applicable law, ordinance, rule or regulation, the building official may, with the approval of the state department of public health, permit minor variations which are safe and reasonable.

(C00, § 26-605; 15,545)

Sec. 26-606. Plumbing permits required.

- (a) Plumbing permits are required for any installation, alteration, repair, replacement, or remodel to a plumbing system regulated by the State Plumbing Code.
- (b) A fee for each plumbing permit shall be paid to the building official in the amount set in the schedule of fees adopted by the city council by resolution.
- (c) Excavation permits issued by the city engineer pursuant to chapter 102 to open streets, parking or other public property for the purpose of installation or repair shall be issued only after plumbing permits for the work have been obtained in accordance with this division. Each excavation permit shall contain the plumbing permit number.

(C00, § 26-606; 15,545, 15,835)

Sec. 26-607. Plumbing permit exceptions.

No plumbing permits shall be required for the following:

- (1) Any work generally known as maintenance work, such as the repairing of leaks, the removal of stoppage in sewer or waste pipes, or the repairing of faucets and closet tanks. However, nothing in this subsection shall be construed as permitting the excavation of any part of a street, parking or sidewalk without a plumbing permit.
- (2) When a private sewer, other than a building or house sewer, is constructed under the jurisdiction, standard specifications and inspection of the city engineer, or when lateral sewer stubs are constructed under the jurisdiction and standard specifications and inspection of the city engineer.
- (3) When a storm sewer service, or a private storm sewer main, to city owned property I.E. Parking lots, Parks, Cemeteries, or other city owned properties, is constructed, installed or repaired under the jurisdiction, standard specifications and inspection of the city engineer.

(C00, § 26-607; 15,545)

Sec. 26-608. Plumbing permit issuance criteria; plans and specifications.

- (a) *Issuance.* Plumbing permits shall be issued only in the name of the person holding a current plumbing contractor's license issued by the city or by the State of Iowa, a copy which shall be kept on file with the building official. The application for a plumbing permit shall recite the name of the person holding the plumbing contractor's license, the personal signature of the certified or licensed master plumber or the master plumber's duly authorized agent, the street and building number of the proposed work, the owner's name and address, the occupancy or use of the premises, the specific items of work to be performed, and such other pertinent information as may be required by the building official. The contractor and any master, journeyman or apprentice plumber shall keep a copy of their license readily accessible at the premises to which the permit applies.
- (b) *Plans and specifications.* Plans and specifications shall be submitted as follows:
 - (1) When required by the building official for the enforcement of any provisions of the plumbing code, plans and specifications for the installation of any plumbing or plumbing system shall be filed with and approved by the permit and development administrator before the issuance of any permit.
 - (2) The building official may require such plans and specifications to be prepared and designed by an engineer licensed by the state to practice as such.
 - (3) One set of plans and specifications may be filed for checking, provided that not less than two sets of corrected plans and specifications are filed before the building official gives approval. After approval, one set of plans shall be retained by the building official and the other set shall be returned to the applicant, which set shall be kept on such building or work at all times during which the work authorized is in progress.

- (4) When the plans and specifications do not comply with provisions of the plumbing code, the necessary changes or revisions shall be made thereto.
- (5) Every plan shall be a print or other type of approved plan. The information contained on the plans shall be clearly legible and specifically indicated. Plans shall be drawn to an appropriate scale.
- (6) Specifications, legibly and definitely stated, shall be included either on the plan or on separate sheets.
- (7) The approval of any plans or specifications shall not be construed to sanction any violation of the plumbing code.
- (8) No person shall deviate materially from any approved plans or specifications or fail, neglect, or refuse to comply therewith unless permission to do so has been obtained from the building official.
- (9) The plans or specifications shall show the following data, along with such other information as may be required by the building official:
 - a. Layout for each floor drawn to accurate scale or dimensions of all working spaces and a legend of all symbols used.
 - b. Locations, size, and material of all piping and fixtures.
 - c. The first sheet of each set of plans and specifications shall show the address of the proposed work and the name and address of the owner or lessee of the premises.
 - d. Plans and specifications shall be of sufficient clarity to show that the proposed installation will conform to the provisions of the plumbing code and all applicable laws, ordinances, rules, regulations and orders.

(C00, § 26-608; 15,545)

Sec. 26-609. Repealed by Ord. No. 15,835.

Secs. 26-610—26-619. Reserved

Division 2. Amendments and Additions

Sec. 26-620. Repealed by Ord. No. 15,835.

Sec. 26-621. Amendments and additions.

The remaining sections in this article are and represent amendments and additions to the requirements contained in the State Plumbing Code which are more restrictive than the State Plumbing Code, and where their requirements conflict with those of the State Plumbing Code, the requirements of this article shall prevail.

(C00, § 26-621; 15,545, 15,835)

Sec. 26-622. Repealed by Ord. No. 15,835.

Sec. 26-623. Repealed by Ord. No. 15,835.

Sec. 26-624. Repealed by Ord. No. 15,835.

Sec. 26-625. Repealed by Ord. No. 15,835.

Sec. 26-626. Repealed by Ord. No. 15,835.

Sec. 26-627. Repealed by Ord. No. 15,835.

Sec. 26-628. Backflow prevention with containment.

(1) For the purposes of backflow prevention with containment within the City of Des Moines, the Administrative Authority means the Des Moines Water Works and the building official.

(2) Administrative Authority Right of Entry.

a. Des Moines Water Works or the building official shall have the right to enter, with the consent of the customer or upon the basis of a suitable warrant issued by a court of appropriate jurisdiction, any property to inspect for possible cross connections.

~~Sec. 26-628. Repealed by Ord. No. 15,835.~~

Sec. 26-629. Repealed by Ord. No. 15,835.

Sec. 26-630. Repealed by Ord. No. 15,835.

Sec. 26-631. Repealed by Ord. No. 15,835.

Sec. 26-633. Repealed by Ord. No. 15,835.

Sec. 26-634. Repealed by Ord. No. 15,835.

Sec. 26-635. Repealed by Ord. No. 15,835.

Sec. 26-636. Repealed by Ord. No. 15,835.

Sec. 26-637. Repealed by Ord. No. 15,835.

Sec. 26-638. Repealed by Ord. No. 15,835.

Sec. 26-639. Repealed by Ord. No. 15,835.

Sec. 26-640. Repealed by Ord. No. 15,835.

Sec. 26-641. Repealed by Ord. No. 15,835.

Formatted: Font: (Default) Times New Roman

Formatted: List Paragraph, Numbered + Level: 1 + Numbering Style: 1, 2, 3, ... + Start at: 1 + Alignment: Left + Aligned at: 0.5" + Indent at: 0.75"

Formatted: Font: Italic

Formatted: Font: Not Italic

Formatted: Indent: Left: 0.5", First line: 0"

Sec. 26-642. Grease interceptors and FOG.

Notwithstanding provisions of section 1014.1, regulation of Fat Oil and Grease (FOG) and sizing of FOG removal devices shall be in accordance with chapter 118, article III of this code for the regulation 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.

(C00, § 26-642; 15,545, 15,835)

Sec. 26-643. Repealed by Ord. No. 15,835.

Sec. 26-644. Repealed by Ord. No. 15,835.

Sec. 26-645. Existing Sewers.

Replacement of existing building sewer and building storm sewers using trenchless methodology and materials shall be installed in accordance with ASTM F1216. Cast-iron soil pipes and fittings shall not be repaired or replaced by using this method aboveground or belowground. Replacement using cured-in-place pipe liners shall not be used on collapsed piping or when the existing piping is compromised. 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.

(C00, § 26-645, O.15,835)

Secs. 26-646—26-649. Reserved.

Division 3. Storm Drainage Systems

Sec. 26-650. General requirements.

Subsections 1101.6 and 1101.7 of the UPC are hereby amended by deleting said sections and inserting in lieu thereof the following:

- (1) *Disposal of subsurface drainage and stormwater.* Where a storm sewer is not available, the disposition of stormwater and subsurface drainage shall be as follows:
 - a. For one- and two-family dwellings, to sump and pump to grade or drywell seepage pit as shown in the illustration of proper disposal of subsurface drainage and stormwater, on file in the office of the senior plumbing inspector.

- b. For other than one- and two-family dwellings, to sump and pump to drywell seepage pit, or use lateral system similar to septic system with overflow on end.
 - c. Exception to subsections (c)(1) and (2) of this section, gravity drainage approved if footing and area drainage elevation is higher than drywell seepage pit drain discharge flow line.
- (2) *Traps.* Leaders or downspouts, when connected to a combined sewer, shall be trapped.
 - (3) *Subsoil drain.* Where subsoil drains are placed under the cellar or basement floor or are used to surround the outer walls of a building, they shall be installed in accordance with the building code and shall be made of open-jointed, horizontally split, or perforated clay tile or asbestos-cement pipe or rigid plastic pipe not less than four inches in diameter. They shall be drained into an open sump with protective cover. Such sumps need not be vented. The building storm and subsoil drainage systems shall be connected to a storm sewer when such a sewer abuts the property. Where a sump pump is used, the discharge piping to the storm sewer, drywell seepage pit, or lateral system shall be inspected and approved before use.
 - (4) *Parking lot and retention pond drains.* Parking lot and retention pond drains shall be installed as directed by the city engineer and in accordance with the approved site plan, a copy of which shall be available on the job site.

(C00, § 26-650; 15,545)

Sec. 26-651. Outside leaders.

Notwithstanding provisions of section 1101.4, when outside leaders are of sheet metal and connected with a building storm drain or storm sewer, they shall be connected to a cast iron drain extending above the finish grade, or the sheet metal leader shall be protected against injury.

(C00, § 26-651; 15,545)

Sec. 26-652. Traps.

Notwithstanding provisions of section 1101.15, conductor traps shall be so located that an accessible cleanout may be installed on the building side of the trap.

(C00, § 26-652; 15,545)

Sec. 26-653. Size of leaders and storm drains.

Notwithstanding provisions of section 1103, vertical leaders, horizontal storm drains, and gutters shall be sized based on a 4 inch per hour rainfall.

(C00, § 26-653; 15,545)

Sec. 26-654. Size of combined drains and sewers.

Notwithstanding provisions of section 1103, in computing the size of combined building drains or sewers to which storm drains serving a roof, court, or paved area are to be connected, the area drained may be converted to equivalent fixture unit loads by placing a value of 256 fixture units on the first 1,000 square feet or portion thereof of area to be drained and one additional fixture unit for each 3.9 square feet thereafter.

(C00, § 26-654; 15,545)

Secs. 26-655—26-669. Reserved.

Division 4. Licenses

Sec. 26-670. Mechanical and plumbing contractor's license.

Only those individuals or business entities holding a valid mechanical or plumbing contractor license issued by the Iowa plumbing and mechanical systems licensing board may apply for an obtain permits to conduct mechanical and plumbing work in the City of Des Moines.

(C00, § 26-670; 15,545, 15,835)

Sec. 26-671. Master, journeyman, and apprentice license required.

A person shall not install or repair plumbing, HVAC, refrigeration, or hydronic systems without first obtaining a license issued by the State of Iowa for the applicable trade or discipline, or install or repair medical gas piping systems without first obtaining a valid certification approved by the Iowa plumbing and mechanical systems examining board. Those persons working in the mechanical and plumbing trades or disciplines who have been issued a license by the Iowa plumbing and mechanical systems examining board pursuant to Iowa Code chapter 105, shall be recognized as licensed and eligible to work in the city within the scope of activities authorized by such licenses.

(C00, § 26-671; 15,545, 15,835)

Sec. 26-672. Repealed by Ord. No. 15,835.

Secs. 26-673—26-699. Reserved.

ARTICLE VII. STEAM OR POWER OPERATING EQUIPMENT

Division 1. Required Licenses and Reports

Sec. 26-700. License required.