

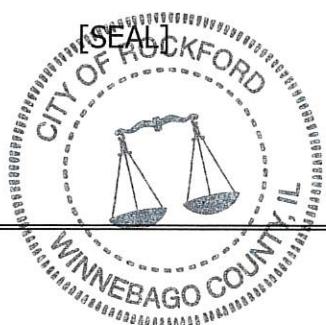
STATE OF ILLINOIS)
) SS
COUNTY OF WINNEBAGO)

CERTIFICATE OF PUBLICATION IN PAMPHLET FORM

I, the undersigned, do hereby certify that I am the duly qualified and acting Legal Director and ex officio Keeper of the Records and Seal of the City of Rockford, Winnebago and Ogle Counties, Illinois (the "City"), and as such official I am the keeper of the official journal of proceedings, books, records, minutes and files of the City and of the City Council (the "City Council") thereof.

I do further certify that on the 20th day of August 2024 there was published in pamphlet form, by authority of the City Council, a true, correct and complete copy of Ordinance No. **2024-173-O** and said resolution was so published on said date readily available for public inspection and distribution, in sufficient number, at my office as Legal Director and ex officio Keeper of the Records and Seal located in the City.

IN WITNESS WHEREOF I have affixed hereto my official signature and the seal of
the City, this 20th day of August 2024.



Widmer
LEGAL DIRECTOR AND *EX OFFICIO*
KEEPER OF THE RECORDS AND SEAL

JR:sa

Committee report passed: 8/19/24

ORDINANCE NO. 2024-173-0

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ROCKFORD,
ILLINOIS, THAT:

Chapter 105 of the City of Rockford Code of Ordinances, and the 2021 International Fuel Gas Code are hereby amended and modified, repealing and replacing any provision of ordinances, as attached hereto.

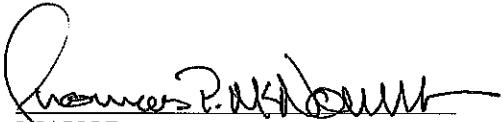
The effective date shall be January 1, 2025 for permits submitted on or after December 31, 2024 with the exception that a new residential, commercial or industrial construction or addition or remodeling projects may submit under the most immediate previously adopted codes (ICC 2015 Code Family) or this code until December 31, 2024. Projects shall be governed by the Code they are submitted, reviewed and permitted under. The effective date of the 2021 IPMC shall be November 1, 2024.

The provisions and sections of this Ordinance shall be deemed severable, and the invalidity of any portion of this Ordinance shall not affect the validity of the remainder.

All orders, resolutions, or ordinances in conflict herewith are hereby repealed insofar as such conflict exists, and this Ordinance shall take effect immediately upon its passage, approval and publication, as required by law.

A full, true and complete copy of this Ordinance shall be published within ten (10) days after passage in pamphlet form by and under authority of the Corporate Authorities.

APPROVED: Aug. 20, 2024.


MAYOR

AYES: TUNEBERG, FROST, TORINA, WILKINS, HOFFMAN, ROSE, BARRIOS,
BAILEY, BONNE

NAYS: _____

ABSENT: LONGEMANN, PRUNTY, BEACH, MEEKS, (DURKEE - Away)

ABSTAIN: _____

ATTESTED:

N. Meyer
LEGAL DIRECTOR

PASSED: 8/19/24 APPROVED: 8/20/24 PUBLISHED: 8/20/24

FILED in my office this 20th day of August, 2024, and published in pamphlet form this 20th day of August, 2024 by order of the City Council of the City of Rockford, Illinois.

N. Meyer
Legal Director and ex officio
Keeper of the Records and Seal

APPROVED BY:

N. Meyer
Nicholas O. Meyer, Legal Director



RECOMMENDED BY:

Jacob L. Rubin
Jacob L. Rubin, Assistant City Attorney

International Fuel Gas Code

Chapter 105, of the Code of Ordinances of the City of Rockford, Illinois, is hereby amended as follows:

Section 105-199 is amended as follows:

Section 105-199. Adopted by reference.

The ICC International Fuel Gas Code/2021 as published by the International Code Council including Appendix A is hereby adopted as the International Fuel Gas Code of the City of Rockford in the State of Illinois; and each and all of the regulations, provisions, penalties, conditions and terms of said code are hereby referred to, adopted and made a part thereof as if fully set out in the section, with the additions, insertions, deletions and amendments contained in section 105-200 of this article.

Section 105-200 is amended as follows:

Section 105-200 Amendments, additions and deletions.

Amendments to the ICC International Fuel Gas Code 2021 have not been set out herein, but can be found on file with the appropriate department of the city for review and purchase by the public.

The ICC International Fuel Gas Code/2015 edition is amended as follows:

(1) Section 101.1 is amended as follows:

101.1 Title. These regulations shall be known as the *Fuel Gas Code of the City of Rockford, Illinois*, hereinafter referred to as Fuel Gas Code, or "this code".

(2) Section 103.5 is added as follows:

103.5 Restriction of employees. An official or employee connected with the enforcement of this code, except whose only connection is that of a member of the board of appeals established under the provisions of section 109 of this code, shall not be engaged in, or directly or indirectly connected with, the furnishing of labor, materials or appliances for the construction, alteration or maintenance of a building, or the preparation of construction documents thereof, unless that person is the owner of the building; nor shall such officer or employee engage in any work that conflicts with official duties or with the interests of the department.

(3) Section 104.1.2 is added as follows:

104.1.2 Automatic Appeals. In any case where orders or approvals by the Code official and Director of the Fire prevention Bureau are not in full agreement, the matter shall be resolved in the following manner: The case shall be reviewed by the Community Development Director and the Fire Chief. If agreement cannot be reached, the matter shall be referred to the City Administrator for review and decision. The decision of the City Administrator may then be appealed to the Building Board of Appeals pursuant to Section 113.

(4) Section 105.1 is amended as follows:

[A] 105.1 Modifications. Where there are practical difficulties involved in carrying out the provisions of this code, the code official shall have the authority to grant modifications for individual cases upon application of the owner or owner's authorized agent, provided that the code official shall first find that special individual reason makes the strict letter of this code impractical and the modification is in compliance with the intent and purpose of this code and does not lessen health, life and fire safety requirements. The details of action granting or rejecting modifications shall be recorded and entered in the files of the mechanical inspection department and the Mechanical Board meeting minutes.

(5) Section 105.2 is amended as follows:

[A] 105.2 Alternative materials, methods, equipment and appliances. The provisions of this code are not intended to prevent the installation of any material or to prohibit any method of construction not specifically prescribed by this code, provided that any such alternative has been *approved*. Any alternative material or method of construction shall be *approved* where the code official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety. Where the alternative material, design or method of construction is not approved, the code official or Mechanical Board shall respond in writing, stating the reasons the alternative was not approved.

(6) Section 105.5 is amended as follows:

[A] 105.5 Approved materials and equipment. Materials, equipment and devices *approved* by the code official and Mechanical Board shall be constructed and installed in accordance with such approval.

(7) Section 106.1.3 is added as follows:

106.1.3 Permits required. Mechanical work shall not be commenced until a permit for such work has been issued by the code official. A mechanical permit shall not be transferable. All work shall be performed and completed by permit holder. License holder or firm must be on site while work is being performed to supervise, install, and direct work under scope of permit.

(8) Section 106.2 is amended as follows:

106.2 Permits not required. Permits shall not be required for the following types of mechanical work:

1. Any portable heating appliances.
2. Portable ventilation appliances and equipment.
3. Portable cooling units.
4. Steam, hot water or chilled water piping within any heating or cooling equipment or appliances regulated by this code.
5. Replacement of any minor component that does not alter the approval of an appliance or equipment that does not alter the approval of such appliance or equipment or make such appliance or equipment unsafe.
6. Portable evaporative coolers.
7. Self-contained refrigeration package-type equipment in which all components of the refrigeration system are located within a single enclosure without requirement for on-site assembly or piping of any kind whatsoever.

Exemption from the permit requirements of this code shall not be deemed to grant authorization for work to be done in violation of the provisions of this code or of other laws or ordinances of this jurisdiction.

(9) Section 106.3 is amended as follows:

106.3 Application for permit. Each application for a permit, with the required fee, shall be filed with the code official on a form furnished for that purpose and shall contain a general description of the proposed work and its location. The application shall be signed by the ~~owner or the owner's authorized agent~~ ~~mechanical licensee or his/her authorized designee~~. The permit application shall indicate the proposed *occupancy* of all parts of the building and of that portion of the site or lot, if any, not covered by the building or structure and shall contain other such information required by the code official. ~~The application shall be completed by the City of Rockford mechanical licensee. In the event more than one licensee is employed by a firm or corporation, the licensee applying shall be included on the application.~~

Exception: Where an owner-occupant is permitted to perform mechanical work by section 111.5, an owner-occupant application shall be made to the code official on a form provided by the code official.

(10) Section 106.5.3 is amended as follows:

[A] 106.5.3 Expiration. Every permit issued by the code official under the provisions of this code shall expire by limitation and become null and void if the work authorized by such permit is not commenced within 180 days from the date of such permit, or is suspended or abandoned at any time after the work is commenced for a period of 180 days. Before such work recommences, a new permit shall be first obtained, ~~and the fee therefor shall be one-half the amount required for a new permit for such work, provided that changes have not been and will not be made in the original construction documents for such work, and further that such suspension or abandonment has not exceeded one year.~~

(11) Section 106.6.1 is deleted and replaced with the following:

106.6.1 Work commencing before permit issuance. When a permit is required by this code, and work is started or proceeds without a valid permit, fees shall be in accordance with the Fee Schedule of the City of Rockford Code of Ordinances. No permit shall be issued for any person, company, or contractor until any outstanding permit fines/fees have been paid in full.

(12) Section 109.2 is deleted and replaced as follows:

109.2 Fee Schedule. The fees for work shall be as set forth in the Fee Schedule of the City of Rockford Code of Ordinances.

(13) Section 106.6.3 is deleted and replaced with the following:

109.6 Refunds. No plan review or permit fees shall be refunded.

(14) Section 115.4 is amended as follows:

115.4 Violation penalties. Persons who shall violate a provision of this code or who shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair mechanical work equipment or systems in violation of *approved construction documents* or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be ~~guilty of a subject to~~ ~~penalties within the limits provided in state and local laws and punishable by a fine of not less than \$50 and not more than \$750, or by imprisonment not exceeding, or both such fine and imprisonment.~~ Each day that a violation continues after due notice has been served shall be deemed a separate offense.

(15) Section 108.5 is amended as follows:

116 Stop work orders. Upon notice from the code official that mechanical work is being done contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's authorized agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine of not less than dollars or not more than \$750.00 dollars.

(15) Section 114.1 is amended as follows:

114.1 Membership of board. The board of appeals, referred to as the Mechanical Board under this code, shall consist of seven members appointed by the chief appointing authority as follows: one two (2) for five (5) years; one two (2) for four (4) years; one (1) for three (3) years; one (1) for two (2) years; and one (1) for one (1) year. Thereafter, each new member shall serve for five (5) years or until a successor has been appointed.

(16) Section 113.3 is deleted and replaced as follows:

113.3 Qualifications. The members of the board shall consist of one (1) registered Professional Engineer, one (1) licensed plumbing contractor, one (1) license holder from hydronic heating-cooling, one (1) license holder for refrigeration, one (1) license holder from warm-air heating-cooling, and two (2) representatives of the mechanical industry with at least ten (10) years of experience in mechanical fields, five (5) of which shall have been in responsible charge of work.

(17) Section 114.1 is deleted and replaced as follows:

114.2 Procedures. The procedures of the board shall be as follows:

1. The board shall adopt reasonable rules and regulations for procedure of its investigations and hearings in conformity with this code, and shall keep a file of its minutes in the office of the Construction and Development Services Division of the Community Development Department. The board may recommend to the council such new legislation as may be considered necessary. It shall be the responsibility of the chairman of the board to notify the board of meetings in writing at least twenty-four (24) hours in advance of the time of the meeting.
2. The board shall have the authority to determine the suitability of alternate material or equipment, and to permit deviations from the provisions of the code if it appears that such provisions do not cover the point raised or that manifest injustice will be done. A special tag setting forth this deviation shall be issued to the owner and shall be required to be permanently posted in a conspicuous location in the mechanical equipment room on the premises.
3. Any person whose application for a permit has been refused or who may consider the provisions of this code do not cover the point raised in connection with the work contemplated by him, or that any particular provision would cause a manifest injury to be done to him, may appeal to the board by serving written notice on the inspector. Such notice shall be at once transmitted to the board, and the board shall arrange for a hearing on the particular point raised. Such hearing shall be held within seven (7) days, and the decision of the board shall be given within twelve (12) days after serving notice on the inspector. Any action of the board varying application of this code must be made by a concurring vote of the majority of the board, (four (4) members), and issued in writing.
4. It shall be the duty of the board to receive and consider suggestions for revision and/or improvements of the mechanical code; and if in the board's judgment, such suggestions will contribute to the

objectives of the code, make such revisions as are deemed necessary and submit them to the City Council for consideration.

(18) Section 113.5 is added as follows:

113.5 Board decision. The board shall modify or reverse the decision of the code official by a concurring vote of three members a majority of members present. Quorum of the board shall by four (4) members.

(19) Section 102.9 GENERAL LICENSING RESPONSIBILITIES is added as follows:

SECTION 111
GENERAL LICENSING RESPONSIBILITIES

102.9.1 Scope. The board shall examine applications for licenses involving any installation of work governed by the provisions of this code.

(20) Section 102.9.2 MECHANICAL LICENSES is added as follows:

SECTION 112
MECHANICAL LICENSES

License required. It shall be unlawful for any person, firm, or corporation to act, engage, or to otherwise represent themselves as a Mechanical Contractor unless an authorized representative of such person, firm, or corporation shall first obtain and keep in full effect a license as provided in this code.

Application for permits by license holder. It shall be unlawful for any person, firm, or corporation to install, erect, alter, repair, service, reset, or replace any work, as defined in this code, unless said person or some member of such firm or corporation shall first have obtained and kept in full effect, the required license and is a full time employee of that firm, or corporation and actively engaged in the business of that firm on a daily basis, and who shall be the authorized representative of the person, firm or corporation in all matters pertaining to this code.

In the event that said license holder leaves the employment of a firm or corporation the license holder shall inform the City of Rockford Building Department, Mechanical Division within five (5) working days. Failure to notify the City of Rockford Building Department, Mechanical Division in said time shall result in forfeiture of any and all Mechanical Licenses.

Violations. Any person not duly licensed by the City of Rockford who shall attempt Mechanical Contracting in the City of Rockford; any person (1) representing or attempting to file as his own the license certificate of another; (2) who shall give false or forged evidence of any kind to the board or any member thereof in acquiring a certificate or license; (3) who falsely shall impersonate another; (4) who shall use an expired or revoked certificate or license; or (5) any person not licensed hereunder shall be guilty of a misdemeanor and it shall be the duty of the code official, or other authorized agent, to report such acts to the board who will review the matter and if it is found that sufficient evidence is produced to substantiate a prosecution, then the board shall instruct the code official or other authorized agent to report such acts to the City Attorney and to assist the attorney or others in prosecuting any case which may come to his notice.

Grace period without license holder. Should the authorized representative holder of a City of Rockford mechanical license terminate his employment, or partnership with such person, firm or corporation, a new authorized holder of such a license must be obtained within thirty (30) days thereafter.

Owner-occupant exemption to license requirement. Work being performed by the owner-occupant of a single-family dwelling or owner of a single-family dwelling under construction for his or her occupancy upon completion is permitted to plan, install, alter and repair the mechanical and gas piping systems of such dwelling without a license provided that required permits are obtained and such systems comply with the

requirements of this code. Any work being performed by other than the owner-occupant shall be performed by a City of Rockford licensed mechanical contractor.

Classes of license. There shall be eight (8) classes of licenses issued pertaining to heating, cooling, ventilating, hydronics, solar systems, refrigeration, gas piping and fireplaces in the City of Rockford.

Class A. Class "A" license shall be issued to a person desiring to enter into the business of installing, altering, or servicing warm air heating, air conditioning, ventilating equipment and prefabricated fireplaces.

Class A1. Class "A1" license shall be issued to a person desiring to enter into the business of performing work on detached one (1) and two (2) family dwellings and townhouses not more than three stories above-grade in height with a separate means of egress and their accessory structures constructed under the International Residential Code on warm air heating and cooling (air conditioning) installations, pre-fabricated fireplaces, and service replacements. The "A1" license excludes hotels, motels, and any housing units as established by the *International Building Code* (such as group homes, boarding houses, halfway houses and similar uses).

Class B. Class "B" license shall be issued to a person desiring to enter into the business of installing, altering, or servicing hydronic or steam heating and solar systems.

Class C. An existing Class "C" license issued to a person for repair of gas, oil, or coal conversion automatic equipment and controls in existing heating plants, and service, clean, and repair above-mentioned equipment shall be permitted to be renewed. No future Class "C" license will be issued.

Class D. Class "D" license shall be issued to a person, desiring to enter into the business of installing, altering, or servicing any refrigeration piping, equipment or equivalent such as: walk in coolers, walk in freezers, cases, ice machines, and the refrigerant piping of comfort cooling equipment only.

Class E. Class "E" license shall be issued to a person, desiring to enter into the business of installing, altering, or servicing any or all of the consumer gas piping from the point of delivery to the gas cock preceding the appliance.

Class E1. Class "E1" license shall be issued to a person desiring to enter into installation, altering, or servicing of any or all of the consumer gas piping from the point of delivery(meter) to the gas shut-off valve immediately preceding the appliance on detached one (1) and two (2) family dwellings and townhouses not more than three stories above-grade in height with a separate means of egress and their accessory structures constructed under the International Residential Code and provided it is under one P.S.I.G. and less than 2 $\frac{1}{2}$ " inside diameter pipe. The "E1" license excludes hotels, motels, and any housing units as established by the *International Building Code* (such as group homes, boarding houses, halfway houses and similar uses).

Class F. Class "F" license shall be issued to a person desiring to enter into the business of installing prefabricated fireplaces, gas logs, Franklin stoves, inside barbecue burners or pits, and inside charcoal pits and includes servicing of all such equipment.

Geothermal systems. A person desiring to enter into the business of installing, altering, or servicing geothermal systems shall possess active class "A" and "B" licenses.

License fees.

Each class of license. The fee for each class of license "A" though "F" inclusive shall be according to City of Rockford fee schedule.

Active license renewal. The renewal fee for a license in the second and subsequent years shall be according to the City of Rockford Fee schedule.

Inactive license renewal. The renewal fee for inactive license shall be according to the City of Rockford Fee schedule.

License issuance. After an applicant for Mechanical license fully complies with the provisions of this article and passes an examination required by M-124.2, and upon receipt of the appropriate license fees to be paid within 30 working days, and a license and permit bond that shall contain both the license holder's name and firm or corporation name, and be in the penal sum of twenty-five thousand dollars bond (\$25,000.00) with surety to the authorized authority, conditioned for the faithful performance in accordance with the provisions of code for all work performed under said license, the board shall instruct the code official to issue a license authorizing the licensee to conduct a business for the branch or branches for which he is qualified.

Issuance to individual, not transferable; renewal generally; inactive status:

Non-transferable. The license herein provided shall be issued to an individual and is not transferable. If the individual who has been acting as representative of the firm or corporation, and is no longer a full-time employee of said firm or corporation, the firm or corporation must have a new license holder as provided in Section 111.0.

Renewal. A license shall be renewable without examination and shall remain in force until expiration unless revoked by the board for cause.

Inactive status. A person, either individually as a member of a firm or as an officer or employee holding a license, may apply for an inactive status if the following conditions are satisfied:

1. After one year in good standing with proper bonding, a licensee may establish an inactive status if he is not actively engaged in the business of installing and or repairing mechanical work covered by his license or where more than one person holds an active license for the firm.
2. The inactive licensee shall pay a renewal fee of twenty five dollars (\$25.00) per year to maintain his inactive status.
3. The inactive status cannot be renewed for more than a period of five years.

City Employees. City employees may maintain inactive status as long as they are employed by the City of Rockford, and are not required to pay a renewal fee.

Expiration date. Every license shall expire on the first day of January following the date of issue, and may be renewed not later than the first day of January of the year in which the license expires. Every license may be renewed upon payment of the renewal fee, posting of current license, and posting of permit bond pertaining to the class of license. Should any person fail to renew their license during normal business hours prior to the end of day on January 10, such person shall pay a penalty of one dollar (\$1.00) for each day that the license is past due for up to a maximum of 365 days. For all renewals occurring after January 10, a reinstatement fee of \$100.00 per license will be assessed. A license may not be issued until all fees are paid in full and all other requirements are met. If a license status falls greater than five years past the expiration date, it cannot be renewed and the former license holder shall make a current application and follow requirements for a new license, including all required fees.

Suspension and revocation. The board shall have the authority to suspend or revoke for cause any license granted under this code for violation thereof, after due hearing and upon notice to the party charged. Such notice shall be in writing and served by certified mail with returned receipt card to the party charged, mailing to be not less than five (5) days prior to the hearing.

Responsibility of employer and Mechanical license holder for violation. In case of a firm or corporation employing a Mechanical license holder, both such persons, firms, or corporations, and the license holder shall be responsible for any and all violations created by them under this code.

Service on equipment installed. Every employer of a license holder shall offer the purchaser, and have available, twenty-four (24) hours service on the equipment installed.

Qualification of applicant. All applicants for a license shall be of legal age, and shall:

4. Demonstrate at least five (5) years of active experience in the trade for the class of license he is applying for (as specified in and defined in this code) or
5. have a degree in related mechanical technologies from an accredited university or college for the class of license he is applying for plus one (1) year of practical experience in that class, or
6. have completed a registered apprenticeship program recognized by the Mechanical Board for the class of license he is applying for, and shall pass an examination as provided by the Mechanical Board.

License examination general:

Examination dates. Examination for license shall be given by the board on the second Thursday of every month. The Board by a majority of 2/3 vote may establish additional or special test dates. The applicant shall test or re-test within 90 calendar days of approval to test or will have to re-apply.

Application for examination. An application shall be filed with the code official on the second Thursday of each month. The application forms may be obtained from the Building Department, City Hall Building, Rockford, Illinois.

Re-examination. If the applicant for a license fails in his examination, he may take the examination the next time it is given, but if on re-examination he fails, he then must wait (6) months from the time of the last examination before he can again take the examination.

Passing grade, record of examination applications. A passing grade on the license examination required by section M-123.2 shall be seventy-five percent (75%) of a possible one hundred percent (100%). The board shall keep an accurate record of all applications and examinations. Upon notification of a passing grade, the applicant has 30 calendar days to submit all appropriate bonds and fees; failure to do so shall negate application and test results.

(21) Section 402.7 is amended as follows:

402.7 Maximum operating pressure. The maximum operating pressure for *piping* systems located inside buildings shall not exceed 5 pounds per square inch gauge (psig) (34 kPa gauge) except where one or more of the following conditions are met:

1. The *piping joints* system is welded or brazed.
2. The piping is joined by fittings listed to ANSI LC-4/CSA6.32 and installed in accordance with manufacturer's instruction.
3. The piping joints are flanged and pipe-to-flange connections are made by welding or brazing
4. The *piping* is located in a ventilated chase or otherwise enclosed for protection against accidental gas accumulation.
5. The *piping* is located inside buildings or separate areas of buildings used exclusively for any of the following:
 - 5.1. Industrial processing or heating.
 - 5.2. Research.
 - 5.3. Warehousing.
 - 5.4. Boiler or mechanical rooms.
6. The *piping* is a temporary installation for buildings under construction.
7. The piping serves appliances or *equipment* used for agricultural purposes.

8. The *piping* system is an LP-gas *piping* system with a design operating pressure greater than 20 psi (137.9 kPa) and complies with NFPA 58.

(23) Section 403.10.4 is amended as follows:

403.9.5 Metallic fittings. Metallic fittings shall comply with the following:

1. Threaded fittings in sizes larger than 4 two (2) inches (51 mm) shall not be used.

[The remainder of the section remains in force per the code.]

403.13 Other Fittings. Use of any fitting not previously described by this code is prohibited unless granted use by the Mechanical Review Board.

403.13.1 Press Fit or Slip Type Fittings. Use of Press Fit or Slip Type Fittings is expressly prohibited for use on flammable gas or liquid flammable gas systems.

(24) Section 404.1.1 is added as follows:

Additional Piping Requirements

1. Piping systems greater than 2 pounds per square inch (PSIG) shall be welded.
2. Piping sizes over 2 inches shall be welded.

(25) Section 404.2.1 is added as follows:

404.2.1 Prohibited Use. Corrugated stainless steel tubing (CSST) shall not be installed outdoors.

(26) Section 404.3 is amended as follows:

404.3 Prohibited locations. *Piping* shall not be installed in or through a ducted supply, return or exhaust, or a clothes chute, chimney or gas vent, dumbwaiter or elevator shaft. *Piping* installed downstream of the *point of delivery* shall not extend through any townhouse or residential unit other than the unit served by such *piping*.

(27) Section 404.3.1 is added as follows:

404.3.1 Prohibited Use Underground. Corrugated stainless steel tubing (CSST) shall not be used underground.

(28) Section 404.9.1 is added as follows:

404.9.1 Roof Locations. Gas piping installed on roof surfaces shall be painted yellow. Paint and application method shall be approved by the code official.

(29) Section 404.12 is amended as follows:

404.12 Minimum burial depth. Underground *piping systems* shall be installed a minimum depth of 18 inches (457.2 mm) below grade, except as provided for in Section 404.12.1. *Piping systems* and electrical wiring shall be separated a minimum of 12 inches (304.8 mm) horizontal and a minimum of six inches (152.4 mm) vertical when placed.

~~404.12.1 Individual outside appliances. Individual lines to outdoor lights, grills or other appliances shall be installed not less than 8 inches (203 mm) below finished grade, provided that such installation is approved and is installed in locations not susceptible to physical damage.~~

(30) Section 409.4.1 is added as follows:

409.4.1 Service Valves. Service valves installed within 24" (61 cm) of the regulator shall have no more than three screwed connections.

(31) Section 411.1 is amended as follows:

411.1 Connecting Appliances. Except as required by section 411.1.1, appliances shall be connected to the piping system by one of the following:

1. ~~Rigid metallic pipe and fittings.~~ Stationary gas appliances and the following fixtures: Water heaters, furnaces and boilers in commercial or residential applications. All package heating fixtures/equipment shall be piped with rigid piping.
2. ~~Corrugated stainless steel tubing (CSST) where installed in accordance with the manufacturers' instructions.~~

(32) Section 503.5.5, #4 is replaced as follows:

503.5.5 Size of Chimneys.

~~4. Chimney venting systems using mechanical draft shall be sized in accordance with approved engineering methods. For sizing a chimney venting system connected to appliances using mechanical draft, the effective area of the chimney flue shall not be greater than two sizes over the effective area required for the appliances~~

1. For sizing a chimney venting system connected to appliances using mechanical draft, the effective area of the chimney flue shall not be greater than two sizes over the effective area required for the appliances.

(32) Appendix A "SIZING AND CAPACITIES OF GAS PIPING" is added as part of this code.

(33) Appendix B "SIZING OF VENTING SYSTEMS SERVING APPLIANCES EQUIPPED WITH DRAFT HOODS, CATEGORY I APPLIANCES AND APPLIANCES LISTED FOR USE WITH TYPE B VENTS (IFGS)" is added as part of this code.

CATEGORY I APPLIANCES LISTED FOR USE WITH TYPE B VENTS (IFGS) is added as part of this code.

(34) Appendix C "EXIT TERMINALS OF MECHANICAL DRAFT AND DIRECT-VENT VENTING SYSTEMS (IFGS)" is added as part of this code.

(35) Appendix D "RECOMMENDED PROCEDURE FOR SAFETY INSPECTION OF AN EXISTING APPLIANCE INSTALLATION (IFGS)" is added as part of this code.