

ORDINANCE NO. 2004-_____

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

Chapter 6, of the Code of Ordinances of the City of Rockford, Illinois, passed November 30, 1970, approved December 2, 1970 and published December 8, 1970, as amended, be and the same is hereby amended by the following, to wit:

Section 6-70 is amended as follows:

Section 6-70 Mechanical Code adopted by reference.

The ICC International Mechanical Code/2003 as published by the International Code Council including Appendix A is hereby adopted as the Mechanical 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 Ordinance, with the additions, insertions, deletions and amendments contained in Section 6-71 of this article.

Section 6-71 is amended as follows:

Section 6-71 Amendments to the Mechanical Code.

The ICC International Mechanical Code/2003 edition is amended as follows:

(1) Section 101.1 is amended as follows:

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

(2) Section 101.2 is amended as follows:

101.2 Scope.

Delete Exception #2.

(3) Section 101.2.1 is amended as follows:

101.2.1 Appendices. Provisions in the appendixes shall ~~not~~ apply ~~unless specifically~~ as adopted.

(4) Section 101.2.2 is added as follows:

101.2.2 Gas piping. Section 403, Piping materials of the International Fuel Gas Code shall add the following: 403.1.1 welded connections required. All gas lines two and one half inches (2 1/2") inside diameter size or larger shall be of welded construction between the consumer's connection to the gas meter and the shut-off valve located immediately adjacent to any gas burning unit. All gas fuel lines carrying gas at one (1) P.S.I.G. or greater, shall be of welded construction between the consumer's connection to the gas meter and the shut-off valve located immediately adjacent to any gas burning unit.

Exception: Alternate material of equivalent rating; such application tested and certified by an approved agency and as approved by the Code Official and the Mechanical Board of Appeals.

(5) 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.

(6) Section 106.1.1 is amended as follows:

106.1.1 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 or designee.

(7) 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. 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. The replacement of any minor part that does not alter the approval of equipment or an appliance or make equipment or appliance unsafe;
6. Portable evaporative coolers; and
7. Self-contained refrigeration ~~systems~~ package-type equipment that contain 10 pounds (4.5 kg) or less refrigerant, or that are actuated by motors of 1 horsepower (0.75 kW) or less in which all components of the refrigeration system are located within a single enclosure without requirement for on-site assembly or piping.
8. Self contained portable refrigeration appliances.
9. Repair or replacement of interior or exterior wall or ceiling coverings (i.e. plaster, gypsum board or paneling), provided:
 - a. mechanical systems in a hazardous condition are not exposed,
 - b. mechanical systems are not being resized, rearranged or added to.
10. Ordinary repairs that do not include:
 - a. cutting away of any framing within a ceiling, floor, wall, partition or portion thereof,
 - b. removal or cutting of any structural beam or load bearing support,
 - c. removal or change of any required means of egress, or rearrangement of parts of a structure affecting means of egress requirements,
 - d. addition to, alteration of, replacement or relocation of any gas piping or mechanical

systems or other work affecting public health or general safety.

11. Portable fuel cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

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 other laws or ordinances of this jurisdiction.

The above amendments shall also apply to section 106.2 of the *International Fuel Gas Code*.

(8) Section 106.3 is amended as follows:

106.3 Application for permit. Each application for a permit, with the require fee, shall be filed with the code official on a form furnished for that purpose and shall contain a general description of the work and its location. The application shall be signed by ~~the owner or an authorized agent~~ mechanical licensee. 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 form provided by the code official.

(9) Section 106.4.3 is amended as follows:

106.4.3 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 if the work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. The code official may reduce the expiration time for the permit if there is an outstanding order to correct a code violation or there have been previous permits issued for the same work. Before such work recommences, a new permit shall be first obtained and the fee, therefore,

shall be ~~one-half not be more than~~ the amount required for a new permit for such work, ~~provided no charges have been made or will be made in the original construction documents for such work, and provide further that such suspension or abandonment has not exceeded one year.~~

(10) Section 106.4.4 is amended as follows:

106.4.4 Extensions. A permittee holding an unexpired permit shall have the right to apply for an extension of the time within which permittee will commence work under that permit when work is unable to be commenced within the time required by this section for good and satisfactory reasons. The code official shall extend the time for action by the permittee for a period not exceeding 180 days if there is reasonable cause. A permit shall not be extended more than once. The fee for an extention shall be ~~one-half not more than~~ the amount required for a new permit for such work.

(11) Section 106.5.1 is deleted and replaced as follows:

106.5.1. Work commencing before permit issuance. When a permit is required by this code, and work is started or proceeded with, prior to obtaining said permit, the fees established by Section 106.5.2 shall be doubled and not less than \$250.00. This penalty may be waived by the building official if the person in violation has not obtained a permit in the last year and is the owner of the property. For the second offense within a twelve (12) month period, starting or proceeding with work prior to obtaining a permit, the fees established in Section 106.5.2 shall be doubled and not less than \$500.00 plus an additional fee of \$500.00 shall be paid for each day work continued without said permit. For the third such instance within a twelve (12) month period, the fees established in Section 106.5.2 shall be tripled and not less than \$750.00 plus an additional fee of \$750.00 shall be paid for each day work continued without said permit. For the fourth such instance within a twelve (12) month period, the offender shall be prosecuted by the City of Rockford Legal Department as permitted by State law. The payment of such a double or additional fee shall not relieve any person from complying with the requirements of this Code and the execution of the work, nor from any penalties prescribed herein.

(12) Section 106.5.2 is amended as follows:

106.5.2 Fee Schedule. The fees for all mechanical Work shall be as indicated in the following schedule. As set forth in section 6-15 (d) of the City of Rockford Code Ordinances.

(13) Section 106.5.3 is deleted and replaced as follows:

106.5.3 Fee refunds. The code official shall authorize the refunding of fees as specified in Building Code.

(14) Section 107.1 is amended as follows:

107.1 Required inspections and testing. The code official, upon notification from the permit holder or the permit holder's agent, ~~shall~~ may make the following inspections and other such inspections as necessary, and shall either release that portion of the construction or shall notify the permit holder or the permit holder's agent of violations that must be corrected. The holder of the permit shall be responsible for the scheduling of such inspections. Where the phrase "shall be made" or "shall require" is used in this Section shall mean "may be made" or "may be required".

The remainder of this section is unchanged.

(15) Section 108.4 is amended as follows:

108.4 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 an approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be subject to penalties within the limits provided in state and local laws and guilty of a [SPECIFY OFFENSE], punishable by a fine of not less than 50 and not more than 750 dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

(16) Section 108.5 is amended as follows:

108.5 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 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 [AMOUNT] dollars or~~ more than \$750.00 dollars.

(17) Section 109.2 is amended as follows:

109.2 Membership of board. The board of appeals shall consist of ~~five~~ 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.

(18) Section 109.2.1 is deleted and replaced as follows:

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

(19) Section 109.2.2 is hereby deleted.

(20) Section 109.4.1 is deleted and replaced as follows:

109.4.1 Procedures.

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 building 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 members of board 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 to 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. The person appealing shall attach to such notice the sum of twenty-five dollars (\$25.00), which shall be paid to the City of Rockford Building Department, where proper records shall be kept. 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.

(21) Section 109.6 is amended as follows:

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

(22) Section 110 GENERAL LICENSING RESPONSIBILITIES is added as follows:

SECTION 110 **GENERAL LICENSING RESPONSIBILITIES**

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

(23) Section 111 MECHANICAL LICENSES is added as follows:

SECTION 111 **MECHANICAL LICENSES**

111.1 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.

111.2 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.

111.3 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 licensed hereunder who 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.

111.4 Grace period without license holder. Should the authorized representative holder of heating, cooling and ventilating 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.

111.5 Owner-occupant exemption to license requirement. 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. The owner-occupant shall not employ other than a City of Rockford licensed mechanical contractor to assist him or her.

111.6 Classes of license. There shall be six (6) classes of licenses issued pertaining to heating, cooling, ventilating, refrigeration, gas piping and fireplaces in the City of Rockford.

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

111.6.2 Class B. Class "B" license shall be issued to a person desiring to enter into the business of installing, altering, or repairing hydronic or steam heating and includes servicing of all such equipment.

111.6.3 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.

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

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

Class E1. Installation, repair, altering 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. Under one P.S.I.G. and less than 2 ½" inside diameter pipe and includes servicing of all such equipment

111.6.6 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

111.7 Application and license fees.

111.7.1 Single license. The fee for single class of license "A" through "F" inclusive shall be \$25.00 for the license and \$25.00 for the application or a total of \$50.00.

111.7.2 Multiple licenses. The fee for a combination of several classes of license shall be \$25.00 for each class, plus and application fee of \$25.00. For example: A Class "A" license (\$25.00) plus a Class "E" license (\$25.00) plus an application fee (\$25.00) shall be a total of \$75.00.

111.7.3 Three licenses. Any three (3) licenses plus the application fee shall be a total of \$100.00.

111.7.4 Renewal. The renewal fee for a license in the second and subsequent years shall be \$25.00 per license. There shall be no application fee for licenses so renewed.

111.7.5 Application. Application fees shall be collected at time the application is requested and is not refundable.

111.8 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 and bond to be paid within 30 working days 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.

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

111.9.1 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.

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

111.9.3 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 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 ten dollars (\$10.00) per year to maintain his inactive status.

3. The inactive status cannot be renewed for more than a period of five years.

111.9.4 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.

111.10 Expiration date. Every license shall expire on the first day of January following the date of issue, and may be renewed upon payment of the renewal fee (and posting of current performance bond) appertaining to that class of license, not later than the first day of January of the year in which the license expires. Should any person fail to renew his license by January 10, he shall pay a penalty of one dollar (\$1.00) for each day that the license is past due.

111.11 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.

111.12 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.

111.13 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 for the warranty period.

(24) Section 112 Examinations is hereby added:

SECTION 112 **EXAMINATIONS**

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

1. Have had at least five (5) years of experience in the trade for the class of license he is applying for (as specified in and defined in this code) or
2. have completed a course of study a degree in related mechanical technologies given by from an approved-accredited school-university or college for the class of license he is applying for plus one (1) year of practical experience in same that class, or
3. 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 local mechanical board.

112.2 License examination general:

112.2.1 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 within 90 calendar days of approval to test or will have to re-apply.

111.2.2 Application for examination. An application shall be filed with the code official thirty (30) days prior to the date on which an examination is to be held. The examination fee established in Section M-125.4 shall accompany such application for examination, application forms may be obtained from the Building Department, City Hall Building, Rockford, Illinois.

112.2.3 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. The full application fee must be paid prior to taking examination each time.

(25) Section 112.3 is amended as follows:

112.3 Application for examination fee established. Advance payment; refunds: The fee for any or all classes of examination for license shall be \$25.00 (A,B,C,D,E,E1,F) or any combination taken at one time. The fee shall be paid in advance, and there shall be no refunds.

112.4 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, application has 30 calendar days to submit all appropriate bonds and fees; failure to do so shall negate application and test results

(26) Section 303.1.1 is added as follow:

303.1.1 Modular Homes. All installations and equipment shall comply with all requirements and conform with all codes adopted by the City of Rockford.

(27) Section 304.1.1 is added as follows:

304.1.1 Heating where required. Heat shall be supplied to all rooms (including bathrooms) except unoccupied storage or other unoccupied spaces.

(28) Section 304.1.2 is added as follows:

304.1.2 Return Air. Return air shall be taken from all rooms including manufactured / modular homes and buildings; except unoccupied storage; kitchen; garages; and bathrooms.

(29) Section 304.5.1 is added as follows:

304.5.1 Public/Private Vehicle garages. Heating and/or ventilation systems of occupiable and/or habitable spaces shall not be connected to the heating and/or ventilation system of a vehicle garage.

(30) Section 306.5 is amended as follows:

The owner of the building shall be responsible for providing access to the permanent ladder at any time servicing is required.

(31) Section 401.5.4 is added as follows:

401.5.4 Areaway below grade. Where outside ventilating air intake and exhaust openings are located in any areaway below grade, the top of the areaway shall be at least ten (10) feet from the surface of any street, alley, driveway or parking lot.

(32) Section 402.1.1 is added as follows:

402.1.1 General. Natural ventilation of an occupied space shall comply with Chapter 12 of the *International Building Code*. When natural

ventilation is used in use groups A, B, E, F, H, I or M, openings shall remain open during all occupied periods that continuous mechanical ventilation is not provided.

(33) Section 508.1 is amended as follows:

508.1 Makeup air. Makeup air shall be supplied during the operation of commercial kitchen exhaust systems that are provided for commercial cooking appliances. The amount of makeup air supplied shall be approximately equal to the amount of exhaust air. The makeup air shall not reduce the effectiveness of the exhaust system. Makeup air shall be provided by ~~gravity or mechanical means, or both.~~

(34) Section 603.5.1.1 is added as follows:

603.5.1.1 Duct length. Flexible air ducts shall ~~not~~ be limited in length to 14 feet (4267 mm) overall from termination point and contain no more than the equivalent of one 90 degree turn with no offset greater than 45 degrees. All flexible air ducts shall be of the insulated type. Flexible ducts shall only be used for branches.

(35) Section 603.5.2.1 is added as follows:

603.5.2.1 Connector length. Flexible air connectors shall be limited in length to 14 feet (4267 mm) overall from termination point and contain no more than the equivalent of one 90 degree turn with no offset greater than 45 degrees. All flexible air connectors shall be of the insulated type. Flexible ducts shall only be used for branches.

(36) Section 701.5 is amended as follows:

701.5 Prohibited sources. Openings and ducts shall not connect appliance enclosures with a space in which the operation of a fan will adversely affect the flow of the combustion air. Combustion air shall not be obtained from a hazardous location, except where the fuel-fired appliances are located within the hazardous location and are installed in accordance with this code. Combustion air shall not be taken from a refrigeration machinery room ~~except where a refrigerant vapor detector system is installed to automatically shut off the combustion process in the event of refrigerant leakage.~~ Combustion air shall not be obtained from any location below the design flood elevation.

(37) Section 801.2.2 is added as follows:

801.2.2 Fuel burning appliances. Every fuel burning appliance utilizing a vent material other than metal shall be marked/labeled every 36 inches so as to distinguish it from plumbing piping.

(38) Section 805.1 is amended as follows:

805.1 Listing and clearances. Factory-built chimneys shall be listed and labeled and shall be installed and terminated in accordance with the manufacturer's instructions. Where, upon inspection, listing specifications and labeling is not present or visible, combustible materials within 18 inches of the chimney shall be protected with 5/8" type X gypsum board or equivalent.

(39) Section 903.1 is amended as follows:

903.1 General and clearances. Factory-built fireplaces shall be listed and labeled and shall be installed in accordance with the conditions of the listing. Factory-built fireplaces shall be tested in accordance with UL 127. Where, upon inspection, listing specifications and labeling is not present or visible, combustible materials within 36 inches of the fireplace shall be protected with 5/8" type X gypsum board or equivalent.

(40) Section 917.2 **Prohibited locations** is deleted.

(41) Section 917.3 **Domestic appliances** is deleted.

(42) Section 925 is added as follows:

SECTION 925 **HEAT EXCHANGER REPAIR**

925.1 Furnace cement or welding. The use of furnace cement or welding for the repair of furnace heat exchangers is prohibited.

(43) Section 926 is added as follows:

SECTION 926 **ELECTRIC DUCT HEATERS**

926.1 General. Electric duct heaters shall be equipped with an approved automatic reset air outlet temperature-limit control that will limit the outlet air temperature to not more than 200 degrees F. The electric elements of the heater shall be equipped with fusible links or a manual reset

temperature- limit control that will prevent air temperature in the immediate vicinity of the heating elements from exceeding 250 degrees F.

(44) Section 927 is added as follows:

SECTION 927
HEAT EXCHANGE REPAIR

927.1 General. Masonry heaters shall be constructed in accordance with the *International Building Code*.

(45) Section 1006.7.1 added as follow:

1006.7.1 Multiple boiler installation. Where the operating temperature actuated control may be installed in a header of other point common to all boilers, and can be isolated from any and all of the boilers, there shall be at least on high-limit-temperature-actuated combustion control mounted on each boiler.

(46) Section 1007.2 is amended as follows:

1007.2 Operation. On a hot water boiler the low water cut off shall be located as high as possible over the top of the boiler and shall automatically stop the combustion operation of the appliance when the water level drops below the lowest safe water level as established by the manufacturer.

(47) Section 1012 is added as follows:

SECTION 1012
FLOW SENSING DEVICE

1012.1 Scope. A coil-type boiler or a water tube boiler with heat input greater than 400,000 BTUH requiring forced circulation to prevent overheating of the coils or tubes shall have a flow-sensing device installed in the outlet piping in addition the low-water fuel cutoff required above to automatically cut off the fuel supply when the circulating flow is interrupted.

(48) Appendix "B" is hereby deleted.

The provisions and sections of the 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:

MAYOR

ATTESTED:

LEGAL DIRECTOR

PASSED:

APPROVED:

PUBLISHED:

ATTESTED and FILED in my office this _____ day of _____, 20____, and published in pamphlet form this _____ day of _____, 20_____.

Legal Director and ex officio
Keeper of the Records and Seal

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