

St. Louis City Ordinance 63806

FLOOR SUBSTITUTE

BOARD BILL NO. [96] 103

INTRODUCED BY ALDERMAN Marit Clark

An Ordinance pertaining to the Mechanical Code of the City of Saint Louis; repealing Ordinance 63621; adopting the International Mechanical Code, 1995 Edition with changes, as the Mechanical Code of the City of Saint Louis; and containing a penalty clause, a savings clause, a severability clause and an emergency clause.

BE IT ORDAINED BY THE CITY OF ST. LOUIS AS FOLLOWS:

Section One.

Ordinance 63621 approved December 29, 1995, pertaining to the 1993 BOCA National Mechanical Code, is hereby repealed.

Section Two.

The International Mechanical Code, 1995 Edition as published by the International Code Council, Inc., a copy of which is on file in the Office of the Register of the City of Saint Louis, is hereby adopted as "The Mechanical Code of the City of Saint Louis, in the State of Missouri", for the governing of the design, installation, construction and maintenance of mechanical systems, by providing reasonable safeguards to protect the public health and safety against the hazards of inadequate, defective or unsafe mechanical systems and installations as herein provided; and that each and all of the regulations, provisions, penalties, conditions and terms of said International Mechanical Code are hereby referred to, adopted and made a part hereto, as if set out in this ordinance with the additions, insertions, deletions and changes prescribed in Section Three of this Ordinance.

Section Three.

The 1995 International Mechanical Code is amended and changed in the following respects:

Change Chapter One to read as follows:

CHAPTER 1

ADMINISTRATION

SECTION 101

GENERAL

101.1 Title. These regulations shall be known as the Mechanical Code of the City of Saint Louis, hereinafter referred to as "this code".

101.2 Scope. This code shall regulate the design, installation, maintenance, alteration, relocation and inspection of mechanical systems that are installed and utilized to provide control of environmental conditions and related processes within buildings. This code shall also regulate those mechanical systems, system components, equipment and appliances specifically addressed in this code.

101.2.1 Appendices. Provisions in the appendices shall not apply unless specifically adopted. Appendix A is hereby adopted for use by the City of Saint Louis.

101.3 Intent. The purpose of this code is to provide minimum standards to safeguard life and limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation, and maintenance or use of mechanical systems. This code shall be construed to secure its expressed intent, which is to insure public health, safety and welfare insofar as they are affected by the installation and maintenance of mechanical systems.

SECTION 102

APPLICABILITY

102.1 General. The provisions of this code shall apply to all matters affecting or relating to structures and premises as set forth in Section 101. Where, in a specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive sections shall govern.

102.2 Existing installations. Except as otherwise provided for in this chapter, a provision in this code shall not require the removal, alteration or abandonment of, nor prevent the continued utilization and maintenance of, an existing mechanical system lawfully in existence at the time of adoption of this code.

102.3 Maintenance. Mechanical systems, both existing and new, and parts thereof shall be maintained in proper operating condition in accordance with the original design and in a safe and sanitary condition. Devices or safeguards which are required by this code shall be maintained in compliance with the code edition under which installed. The owner or the owner's designated agent shall be responsible for maintenance of mechanical systems. To determine compliance with this provision, the code official shall have the authority to require a mechanical system to be reinspected.

102.4 Additions, alterations or repairs. Additions, alterations, renovations or repairs to a mechanical system shall conform to that required for a new mechanical system without requiring the existing mechanical system to comply with all the requirements of this code. Additions, alterations or repairs shall not cause an existing mechanical systems to become unsafe, hazardous or overloaded. Minor additions, alterations, renovations and repairs to existing mechanical systems shall meet the provisions for new construction, unless such work is done in the same manner and arrangement as was in the existing system, is not hazardous and is approved.

102.5 Change in occupancy. It shall be unlawful to make a change in the occupancy of any structure which will subject the structure to any special provision of this code applicable to the new occupancy without approval. The code official shall certify that such structure meets the intent of the provisions of law governing building construction for the proposed new occupancy and that such change of occupancy does not result in any hazard to public health, safety or welfare.

102.6 Historic buildings. The provisions of this code relating to the construction, alteration, repair, enlargement, restoration, relocation or moving of building or structures shall not be mandatory for existing buildings or structures identified and classified by the state or City of Saint Louis as historic buildings when such buildings or structures are judged by the code official to be safe and in the public interest of health, safety and welfare regarding any proposed construction, alteration, repair, enlargement, restoration, relocation or moving of buildings.

102.7 Moved buildings. Except as determined by Section 102.2, mechanical systems that are a part of buildings or structures moved into or within the City of Saint Louis shall comply with the provisions of this code for new installations.

102.8 Referenced codes and standards. The codes and standards referenced in this code shall be those that are listed in Chapter 16 and considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and the referenced standards, the most stringent provision shall apply.

102.9 Requirements not covered by code. Requirements necessary for the strength, stability or proper operation of an existing or proposed mechanical system, or for the public safety, health and general welfare, not specifically covered by this code, shall be determined by the code official. 102.10 Workmanship. All work shall be conducted, installed and completed in a workmanlike and approved manner so as to secure the results intended by this code.

SECTION 103

SECTION OF MECHANICAL EQUIPMENT INSPECTION

103.1 General. There is hereby created the Section of Mechanical Equipment Inspection within the Division of Building and Inspection which shall have control and enforce all codes, regulations and ordinances pertaining to mechanical installations and systems in accordance with this code. The head of this section shall be known as the Mechanical Equipment Inspection Supervisor, who shall be appointed by the Building Commissioner. Throughout this code, the Mechanical Equipment Inspection Supervisor, the Chief Mechanical Engineer, the Building Commissioner and their authorized employees shall be referred to as the code official.

103.2 Mechanical equipment inspection supervisor. There shall be appointed by the Building Commissioner a Mechanical Equipment Inspection Supervisor. The Supervisor shall have five (5) years experience and possess the qualifications established by the Department of Personnel.

103.3 Deputies. There shall be appointed by the code official a sufficient number of Mechanical Equipment Inspectors to adequately perform all inspection duties and enforce all ordinances pertaining to the Mechanical Equipment Inspection Section in accordance with subsequent sections of this code and City of Saint Louis budgetary constraints. All Mechanical Equipment Inspectors shall have had at least three (3) years experience and possess the qualifications set forth by the Department of Personnel.

103.3.1 Assistant to the supervisor. One such inspector shall assist the Mechanical Equipment Inspection Supervisor. The assistant shall assume the responsibilities of the Mechanical Equipment Inspection Supervisor in the Supervisor's absence or disability.

103.3.2 Restriction of employees. An official or employee connected with the Mechanical Equipment Inspection Section, except one whose only connection is that of a member of the Board of Stationary Engineers, 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 code official or employee engage in any work that conflicts with official duties or with the interests of the department.

103.4 Liability. The code official and employees charged with the enforcement of this code, while acting for the City of Saint Louis, shall not thereby be rendered liable personally, and are hereby relieved from all personal liability for any damage accruing to persons or property as a result of any act required or permitted in the discharge of official duties.

Any suit instituted against any code official or employee because of an act performed in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the City of Saint Louis until the final termination of the proceedings. The code official or any employees shall not be liable for any cost in or arising from any action, suit or proceeding that is instituted in pursuance of the provisions of this code. Any code official or employee of the Division of Building and Inspection, Department of Public Safety, acting in good faith and without malice, shall be free from liability for acts performed under any of its provisions or by reason of any act or omission in the performance of official duties in connection therewith.

The above protection shall also extend to former employees for work performed during their period of employment with the City of Saint Louis.

SECTION 104

DUTIES AND POWERS OF THE CODE OFFICIAL

104.1 General. The code official shall enforce all of the provisions of this code and shall act on any question relative to the installation, alteration, repair, maintenance or operation of all mechanical systems, devices and equipment,

except as otherwise specifically provided for by statutory requirements or as provided for in Sections 104.1.1 through 104.7.

104.1.1 Emergency condemnation. Whenever the code official shall find any building, structure, premises or portion thereof no matter for what purpose used, to be in an unsafe or dangerous condition and that there is an actual and potential danger to the occupants or those in the proximity of any building, structure or premises which poses an immediate danger to public safety or welfare, the code official shall order the immediate evacuation of said building, structure or premises. All of the occupants so notified shall immediately vacate the building, structure, or premises and no person shall re-enter until authorized to do so by the code official. Any person who refuses to leave, interferes with the evacuation of other occupants, or continues any operation after having been given an evacuation order by the code official, except such person(s) directed to perform work to remove a violation or unsafe condition shall be deemed in violation of this section whereupon it shall be the duty of the Police Department to immediately remove such person(s) from said building, structure, or premises and prevent anyone from re-entering the building, structure or premises until such time that the Police Department shall have been notified by the Building Division that the same is in a safe condition.

Any person who shall violate any provisions of this section shall, upon conviction thereof, be penalized as set forth in Section Four.

104.1.2 Authority to placard. The code official has the authority to post a placard in a conspicuous place on a building or premises where the mechanical system has been found to be unsafe or inadequate.

104.1.3 Placarded building. Placards shall remain on said building until the required repairs, replacements or improvements have been made and accepted by the code official, and it shall be unlawful to deface or willfully remove any such placard that has been posted on a building without first obtaining consent of the code official. It shall be unlawful for any person to reside in, use, rent, lease or occupy such building for any purpose while so placarded and no person shall remove said placards without the consent of the code official.

104.2 Rule making authority. The code official shall have authority as necessary in the interest of public health, safety and general welfare, to adopt and promulgate rules and regulations; to interpret and implement the provisions of this code; to secure the intent thereof; and to designate requirements applicable because of local climatic or other conditions. Such rules shall not have the effect of waiving structural or fire performance requirements

specifically provided for in this code, or of violating accepted engineering practice involving public safety.

104.2.1 Accepted engineering practice. In the absence of provisions not specifically contained in this code or approved rules, the regulations, specifications and standards listed in Chapter 16 shall be deemed to represent accepted engineering practice in respect to the material, equipment, system or method of construction therein specified.

104.3 Applications and permits. The code official shall receive applications for and issue permits for the installation, replacement, relocation and alteration of mechanical systems and equipment, and inspect the premises for which such permits have been issued and enforce compliance with the provisions of this code. Such application shall describe in detail the nature of the work and the location thereof by street and number. No person shall begin such work unless and until they shall have submitted a proper application and received a permit. In the case of an emergency, work may begin upon the verbal request of the applicant and verbal permission of the code official, upon the condition that such written application shall be filed in the office of the code official without delay.

Exception: Buildings, structures or premises owned and occupied by the United States of America or the State of Missouri.

104.4 Inspections. The code official shall make all of the required inspections, or the code official may accept reports of inspection by authoritative and recognized services or individuals. All reports of such inspections shall be in writing and certified by a responsible officer of such authoritative service or by the responsible individual. The code official is authorized to engage such expert opinion as deemed necessary to report upon unusual technical issues that arise subject to the approval of the appointing authority.

104.4.1 Dangerous, hazardous, unsanitary, or unapproved installations. The code official shall have the authority to seal out of service mechanical equipment, devices, and appurtenances covered by the Building and Mechanical Codes when, in the code official's opinion, any of these items are in an unsafe, hazardous, or unsanitary condition, or if the installation was made without obtaining the necessary permit or permits, or if the installation violates the provisions of these codes.

104.4.2 Notice of sealing out of service. Before sealing any device out of service, the code official shall, except in cases of emergency, serve ten (10)

calendar days written notice upon the building owner, occupant or collector of rent either directly or by United States mail, stating intention to seal the equipment out of service and the reasons therefore.

104.4.3 Unlawful to remove seal. Any device sealed out of service by the code official shall be plainly marked with a sign or tag indicating such sealing, and any defacing or removal of the sign or tag, or any tampering with or removal of the seal without approval of the code official, or operation of the sealed unit, shall constitute a violation of this code. The penalty for violation of this section shall be as set forth in

Section Four.

104.4.4 Utility disconnect. Whenever the code official determines that there is an eminent danger to public safety, the code official may request that the public utilities be disconnected to that structure or premises.

104.5 Right of entry. Whenever it is necessary to make an inspection to enforce the provisions of this code, or whenever the code official has reasonable cause to believe that there exists in a building or upon any premises any condition or violation of this code which makes the building or premises unsafe, insanitary, dangerous or hazardous, the code official shall have the authority to enter the building or premises at all reasonable times to inspect or to perform the duties imposed upon the code official by this code. If such building or premises is occupied, the code official shall present credentials to the occupant and request entry. If such building is unoccupied, the code official shall first make a reasonable effort to locate the owner or other person having charge or control of the building or premises and request entry. If entry is refused, the code official has recourse to every remedy provided by law to secure entry.

When the code official has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an owner or occupant or person having charge, care or control of the building or premises shall not fail or neglect, after proper request is made as herein provided, to promptly permit entry therein by the code official for the purpose of inspection and examination pursuant to this code.

104.6 Identification. The code official shall carry proper identification when inspecting structures or premises in the performance of duties under this code.

104.7 Notices and orders. The code official shall issue all necessary notices or orders to assure compliance with this code.

104.8 Department records. The code official shall keep official records of mechanical applications received, permits issued, fees collected, reports of inspections, and notices and orders issued. Such records shall be retained in the official records for three (3) years, except notices and orders which have been complied need not be kept.

SECTION 105

APPROVAL

105.1 Modifications. Whenever 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, provided the code official shall first find that the 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 that such modification does not lessen health, life and fire safety requirements.

105.2 Alternative materials, methods and equipment. 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. An 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, at least the equivalent of that prescribed in this code for quality, strength, effectiveness, fire resistance, durability and safety.

105.2.1 Approved materials and equipment. All materials, equipment and devices not covered by this code and approved by the code official shall be constructed and installed in accordance with such approval.

105.3 Required testing. Whenever there is insufficient evidence of compliance with the provisions of this code, or evidence that a material or method does not conform to the requirements of this code, or in order to substantiate claims for alternative materials or methods, the code official shall have the authority to require tests as evidence of compliance to be made at no expense to the City of Saint Louis.

105.3.1 Test methods. Test methods shall be as specified in this code or by other recognized and accepted test standards. In the absence of recognized and accepted test methods, the code official shall approve the testing procedures.

105.3.2 Testing agency. All tests shall be performed by an approved independent testing agency.

105.3.3 Test reports. Reports of tests shall be retained by the code official for the period required for retention of public records.

105.4 Material and equipment reuse. Materials, equipment and devices shall not be reused unless such elements have been reconditioned, tested and placed in good and proper working condition and approved by the code official.

SECTION 106

PERMITS

106.1 When required. No person shall commence any mechanical work until a permit for such work has been issued by the code official. The fees for said permits shall be paid to the City of Saint Louis for each permit herein required. All work shall be done by the person or corporation in whose name the permit or permits required by this section are issued, or any other qualified person or corporation designated by the permit holder. Any person who shall fail to comply with or who shall violate any of the provisions of this section shall be subject to the penalty provisions of Section Four.

Exception: When equipment replacements and repairs must be performed in an emergency situation, the permit application shall be submitted within the next working business day of the section of mechanical equipment inspection.

106.2 Permits not required. Permits shall not be required for any of the following:

1. Any portable heating appliance.
2. Any portable ventilation equipment.
3. Any portable cooking unit.
4. Replacement of any minor part which does not alter approval of equipment or make such equipment unsafe.
5. Any portable evaporation cooler; and
6. Any self-contained refrigeration system containing 10 pounds (4.53 kg) or less of refrigerant, or actuated by motors of 1 horsepower (0.75 kW) or less.

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 ordinance of the City of Saint Louis.

106.3 Application for permit. Each application for a permit, with the required fee, shall be filed with the code official in such written form as the code official prescribes and shall be accompanied by an adequate written description of the proposed mechanical work and its location. The application shall be made by the owner or lessee of a structure, or the agent of either, or by the registered design professional employed in connection with the proposed work or the contractor employed in connection with the proposed work. The full names, addresses and telephone numbers of the owner, lessee, applicant and the responsible officers, if the owner or lessee is a corporate body, shall be stated in the application.

106.3.1 Construction documents. The code official is authorized to require the submission and approval of a set of construction documents showing the nature and extent of the proposed work before a permit is issued. If, in the course of the work, it is found necessary to make any change from the approved construction documents on which a permit has been issued, amended construction documents shall be submitted, and if approved, a supplementary permit shall be issued, after payment of any additional fees, to cover the change after the same conditions required to secure the original permit have been satisfied. The code official is permitted to waive the requirements for filing construction documents where the work involved is of a minor nature. When the quality of the materials is essential for conformity to this code, specific information shall be given to establish such quality, and this code shall not be cited, or the term "legal" or its equivalent used as a substitute for specific information. All construction documents prepared by a registered design professional shall bear the original seal and signature in ink of that person. Construction documents for structures more than two stories in height shall indicate how required structural and fire resistance rating integrity will be maintained, and where penetrations will be made for electrical, mechanical, plumbing and communication conduits, pipes and systems.

106.3.2 Seismic installations. Construction documents for installations which must meet the seismic requirements of the Building Code listed in Chapter 16 of this code shall show the details of all pertinent anchorage and bracing and shall bear the original seal and signature in ink of a registered design professional licensed to practice in the State of Missouri.

106.3.3 Amendments to application. Subject to the time limitations of Section 106.3.4, amendments to the construction documents, application or other records accompanying the same shall be filed at any time before completion of the work for which the permit is sought or issued. Such amendments shall be deemed part of the original application and shall be filed in the same manner as the original.

106.3.4 Time limitation of application. An application for a permit for any proposed work shall be deemed to have been abandoned six (6) months after the date of filing, unless such application has been diligently prosecuted or a permit shall have been issued. The code official may grant one or more extensions of time for additional periods not exceeding one hundred eighty (180) days each, if there is reasonable cause.

106.4 Permit issuance. The application, construction documents and other data filed by an applicant for a permit shall be reviewed by the code official. If the code official finds that the proposed work conforms to the requirements of this code and all laws and ordinances applicable thereto, and that the fees specified in Section 106.5 have been paid, a permit shall be issued to the applicant. A mechanical permit shall not be transferable.

If the application or the construction documents do not conform to the requirements of all pertinent ordinances of the City of Saint Louis, the code official shall reject such application in writing, stating the reasons therefore.

106.4.1 Approved construction documents. When the code official issues a permit where construction documents are required, such approved construction documents shall not be changed, modified or altered without authorization from the design professional and the code official. Work shall be done in accordance with the approved construction documents.

The code official is authorized to issue a permit for the installation of part of a mechanical system before the application for the whole system has been submitted or approved, provided adequate information and detailed statements have been filed complying with all the pertinent requirements of this code. The holder of such permit shall proceed at their own risk without assurance that the permit for the entire mechanical system will be granted.

Except for unsafe mechanical systems or installations, this code shall not require changes in the construction documents or mechanical work for which a lawful permit has been heretofore issued or otherwise lawfully authorized, and

the installation of which shall have been actively prosecuted within ninety (90) days after the effective date of this code and is completed with dispatch.

106.4.2 Validity. The issuance of a permit or approval of construction documents shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or of other ordinances of the City of Saint Louis. A permit presuming to give authority to violate or cancel the provisions of this code shall be invalid.

The issuance of a permit based upon construction documents and other data shall not prevent the code official from thereafter requiring the correction of errors in said construction documents and other data or from preventing building operations from being carried on thereunder when in violation of this code or of other ordinances of the City of Saint Louis

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 one hundred eighty (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 one hundred eighty (180) days. The code official may grant one or more extensions of time for an additional period the total not to exceed six (6) months if there is reasonable cause. Before such work recommences, a new permit shall be first obtained and a new fee paid.

106.4.4 Extensions. A permittee holding an unexpired permit shall have the right to apply for an extension of the time within which the 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 one hundred eighty (180) days if there is reasonable cause.

106.4.5 Suspension or revocation of permit. The code official shall suspend or revoke a permit or approval issued under the provisions of this code in case of any false statement or misrepresentation of fact in the application or on the construction documents upon which the permit or approval was based. A permit shall also be considered for revocation under the following provisions:

1. The owner of the property or the contractor shall request cancellation in writing stating the reasons for the request for cancellation. No refund of fees shall be made.

2. The code official may revoke the permit for fraud, for non compliance with the code or for failure to pay the prescribed fees.

Should the mechanical contractor install work that is not in compliance with the mechanical, fire or building code, the contractor shall be directed by the code official to make necessary corrections to assure code compliance and no other permits shall be issued to said contractor until such work is corrected and approved by the code official.

106.4.6 Retention of construction documents. One (1) set of construction documents shall be retained by the code official until final approval of the work covered therein. One (1) set of construction documents shall be returned to the applicant and said set shall be kept at the site of the building or work at all times during which the work authorized thereby is in progress.

106.4.7 Posting of permit. A true copy of the permit shall be kept on the site of operations, open to public inspection during the entire time of prosecution of the work and until the completion of the same.

106.5 Fees. A permit shall not be issued until the fees prescribed in Table 106.5.2 have been paid, nor shall an amendment to a permit necessitating an additional fee because of the additional work involved be released until the additional fee has been paid. Fees for the inspections herein prescribed shall be paid to and collected by the City of Saint Louis. A permit may be revoked if payment is returned for insufficient funds.

106.5.1 Work commencing before permit issuance surcharge. In case any work for which a permit required by this code is started or proceeded with prior to the permit being issued, the total normal fees applicable shall be increased by the amount as set forth in Table 106.5.1. The payment of said surcharge shall not relieve any persons from fully complying with the requirements of this code for performance or execution of the work, nor from other penalties prescribed by law.

TABLE 106.5.1 SCHEDULE FOR SURCHARGE

PERMIT FEE	SURCHARGE
\$ 0 TO \$ 50	\$ 30.00
\$ 51 TO \$ 200	\$ 90.00
\$ 201 TO \$ 500	\$ 240.00
\$ 501 TO \$ 2,000	\$ 360.00
\$ 2,001 TO \$ 10,000	\$ 480.00

OVER \$ 10,000 \$1000.00

106.5.2 Fee schedule. The fees for all mechanical work shall be as indicated in Table 106.5.2. Mechanical permit fees shall not be waived for contractors working in facilities owned and operated by the City of Saint Louis.

TABLE 106.5.2

FEEES FOR MECHANICAL PERMITS

ITEM	FEE	MINIMUM FEE	REMARKS AND REQUIREMENTS
ELEVATORS			
Per unit - 5 floors or less	\$ 70.00	\$ 70.00	To install, relocate or alter unit
Per unit - more than 5 floors	140.00		
MANLIFT, SIDEWALK ELEVATOR, DUMBWAITER, MOVING STAIRWAYS, MOVING SIDEWALKS	\$ 85.00	\$ 85.00	To install, relocate or alter unit
AUTO LIFTS -			
Per Unit	\$ 55.00	\$ 55.00	To install, relocate or alter unit
WORKMENS HOIST -			
Per Unit	\$100.00		To install, relocate or alter unit
MISCELLANEOUS HOISTING AND ELEVATING EQUIPMENT -			
Per Unit	\$ 55.00	To alter, relocate or alter unit	
REFRIGERATION SYSTEM (See NOTE)			
Up to 20 tons	\$4.25/ton	\$ 15.00	To install, relocate or alter unit
For each additional 5 tons or fraction thereof	\$ 4.25		
VENTILATION SYSTEMS - Permit Fee			
2,000 cfm to 15,000 cfm	\$ 40.00	To install, relocate or alter unit	
Over 15,000 cfm	\$ 70.00		
EXHAUST HOODS			
Up to 5,000 cfm	\$ 20.00	To install, relocate or alter unit	
Over 5,000 cfm	\$ 35.00		
BOILERS-LOW PRESSURE - per boiler			
Up to 500,000 BTU/Hr. input	\$ 20.00	\$ 20.00	To install, relocate or alter unit
500,001 - 1,000,000 BTU/Hr. input	\$ 28.00		
Over 1,000,000 BTU/Hr. input	\$ 42.00		
BOILERS-HIGH PRESSURE - per boiler			
Up to 200 sq. ft. of heating surface	\$ 20.00	\$ 20.00	To install, relocate or alter unit

Over 200 but less than 2,000 sq. ft. of heating surface	\$ 28.00		
2,000 sq. ft. or more of heating surface	\$ 42.00		
PRESSURE VESSELS - Per unit	\$ 20.00	\$ 20.00	To install, relocate or alter unit
FIRE DAMPERS	\$ 15.00		To install, relocate or alter unit

NOTE: All installations of refrigeration and/or air conditioning equipment require a permit except the following: a. Portable equipment (window units) b. Units of less than 12,000 BTU per hour capacity. c. Incremental (through the wall) cooling or heating/cooling units. d. Condensing units serving buildings of six (6) units or less. All installations of ventilation systems (ducted) require a permit except ventilation systems under 2,000 cfm capacity.

106.5.3 Initial inspections. The fees for all mechanical initial inspections shall be charged at the rate prescribed in Table 106.5.3. This shall be in addition to the mechanical permit fee set forth in Table 106.5.2.

TABLE 106.5.3 FEES FOR INITIAL MECHANICAL INSPECTION

ITEM	FEE	MINIMUM FEE
ELEVATORS		
Per unit per floor rise	\$ 6.00	\$ 30.00
MANLIFT, SIDEWALK ELEVATOR, DUMBWAITER, MOVING STAIRWAYS, MOVING SIDEWALKS - Per unit		
Escalator	\$ 35.00	\$ 30.00
Sidewalk Elevator, Dumbwaiter	\$ 21.00	
Manlift, per floor	\$ 5.50	
AUTO LIFTS - Per unit	\$ 20.00	
WORKMENS HOIST - Per floor	\$ 5.50	\$ 30.00
MISCELLANEOUS HOISTING AND ELEVATING EQUIPMENT	\$ 20.00	
REFRIGERATION SYSTEM		
Up to 10 tons	\$2.00/ton	
Over 10 tons to 25 tons	\$ 28.00	
Over 25 tons to 100 tons	\$ 50.00	\$ 7.00
Over 100 tons to 300 tons	\$ 63.00	
Over 300 tons to 1000 tons	\$ 77.00	
Over 1000 tons	\$112.00	

VENTILATION SYSTEMS	
2,000 cfm TO 15,000 cfm	\$ 20.00
Over 15,000 cfm	\$ 35.00
EXHAUST HOODS	
Up to 5,000 cfm	\$ 20.00
Over 5,000 cfm	\$ 35.00
BOILERS-LOW PRESSURE - per boiler	
Without Manhole	\$ 10.00
With Manhole	\$ 17.00
BOILERS-HIGH PRESSURE - per boiler	
Without Manhole	\$ 17.00
With Manhole	\$ 28.00
FIRE DAMPERS - first damper	\$ 15.00
- each additional	\$ 10.00
PRESSURE VESSELS - per unit	
Without Manhole	\$ 10.00
With Manhole	\$ 17.00

106.5.4 Fees for abandoned work or revoked permit. Fees shall not be waived or refunded for any mechanical permit that has been abandoned, canceled or revoked.

SECTION 107

INSPECTIONS AND TESTING

107.1 Required inspections and testing. All equipment for which a permit is obtained under this code shall be inspected and approved. Any portion of equipment intended to be concealed by any permanent portion of the structure shall not be concealed until inspected. The code official shall have the authority to require any concealment to be removed. Failure to comply with this order of the code official may result in condemnation of the structure or any part thereof and prohibition of occupancy. When installation of any equipment is complete, a final inspection shall be made. Equipment regulated by this code shall not be connected to the fuel or power supply and placed in normal operation until such equipment complies with all applicable requirements of this code, and a final inspection has been completed.

The requirements above shall not be considered to prohibit the operation of any heating equipment installed to replace existing heating equipment serving an occupied portion of a structure in the event a request for inspection of such heating equipment has been filed with the department not more than 48 hours

after replacement work is completed, and before any portion of such equipment is concealed by any permanent portion of the structure.

Upon completion of the mechanical work and before final approval is given, a final inspection shall be made. All violations of any code, any approved construction document or the mechanical permit shall be noted, and the holder of the mechanical permit shall be notified of the discrepancies. All violations shall be abated before final approval.

107.1.1 Approved inspection agencies. The code official shall accept reports of approved inspection agencies, provided such agencies satisfy the requirements as to qualification and reliability.

107.1.2 Evaluation and follow-up inspection services. Prior to the approval of a closed, prefabricated mechanical system and the issuance of a mechanical permit, the code official, if deemed necessary, shall require the submittal of an evaluation report on each prefabricated mechanical system, indicating the complete details of the mechanical system, including a description of the mechanical system and its components, the basis upon which the mechanical system is being evaluated, test results and similar information, and other data as necessary for the code official to determine conformance to this code.

107.1.2.1 Evaluation service. The code official shall designate the evaluation service of an approved agency as the evaluation agency, and review such agency's evaluation report for adequacy and conformance to this code.

107.1.2.2 Follow-up inspection. Except where ready access is provided to mechanical systems, service equipment and accessories for complete inspection at the site without disassembly or dismantling, the code official shall conduct the in-plant inspections as frequently as necessary to assure conformance to the approved evaluation report or shall designate an independent, approved inspection agency to conduct such inspections. The inspection agency shall furnish the code official with the follow-up inspection manual and a report of inspections upon request, and the mechanical system shall have an identifying label permanently affixed to the system indicating that factory inspections have been performed.

107.1.2.3 Test and inspection records. All required test and inspection records shall be available to the code official at all times during the fabrication of the mechanical system and the erection of the building; or such records as the code official designates shall be filed.

107.2 Testing. Mechanical systems shall be tested as required in this code and in accordance with Sections 107.2.1 through 107.2.3. Tests shall be made by the permit holder and observed by the code official.

107.2.1 New, altered, extended or repaired systems. New mechanical systems and parts of existing systems, which have been altered, extended or repaired shall be tested as prescribed herein to disclose leaks and defects.

107.2.2 Equipment, material and labor for tests. Equipment, material and labor required for testing a mechanical system or part thereof shall be furnished by the permit holder.

107.2.3 Reinspection and testing. Where any work or installation does not pass an initial test or inspection, the necessary corrections shall be made so as to achieve compliance with this code. The work or installation shall then be resubmitted to the code official for inspection and testing.

107.3 Contractor's responsibilities. It shall be the responsibility of every contractor who enters into contracts for the installation or repair of mechanical systems for which a permit is required to comply with adopted state and local rules and regulations concerning certification and licensing.

107.4 Coordination of inspections. Whenever in the enforcement of this code or another code or ordinance, the responsibility of more than one code official is involved, it shall be the duty of the code officials involved to coordinate their inspections and administrative orders as fully as practicable so that the owners and occupants of the structure shall not be subjected to visits by numerous inspectors or multiple or conflicting orders. Whenever an inspector from any agency or department observes an apparent or actual violation of some provision of some law, ordinance or code not within the inspector's authority to enforce, the inspector shall report the findings to the code official having jurisdiction.

107.4.1 Legal compliance. All legal assistance necessary to effect compliance of the mechanical systems of such premises with this section shall be supplied to the code official by the City Counselor and other City of Saint Louis agencies. The Fire and Police Departments of the City of Saint Louis shall, upon request, assist the code official in the enforcement of this code.

107.5 Approval. After the prescribed tests and inspections indicate that the work complies in all respects with this code, all equipment subject to annual inspection shall be identified by a tag bearing the city identification number

and, where applicable, a sticker denoting approval shall be applied to all other equipment.

107.6 Temporary connection. The code official shall have the authority to authorize the temporary connection of a mechanical system to the sources of energy for the purpose of testing mechanical systems or for use under a temporary certificate of occupancy.

107.7 Moved structures. Before any structure that has been moved within or into the City of Saint Louis is occupied, all mechanical equipment and devices shall be inspected and tested for safe operation and compliance with the requirements of this code.

Exception: Mechanical systems within manufactured units bearing certification of the Missouri Public Service Commission.

SECTION 108

VIOLATIONS

108.1 Unlawful acts. It shall be unlawful for any person, firm or corporation to erect, construct, alter, repair, remove, demolish or operate mechanical equipment regulated by this code, or cause same to be done, in conflict with or in violation of any of the provisions of this code. All work shall be conducted, installed and completed in a workmanlike and approved manner so as to secure the results intended by this code.

108.2 Notice of violation. The code official shall serve a written notice of violation or order to the person, firm or corporation responsible for the erection, installation, alteration, extension, repair, removal, demolition or operation of mechanical equipment or systems in violation of the provisions of this code, or in violation of a detailed statement, or the approved construction documents thereunder, or in violation of a permit issued under the provisions of this code. Such order shall direct the discontinuance of the illegal action or condition and the abatement of the violation.

108.3 Prosecution of violation. If the notice of violation is not complied within the time stated in the Notice of Violation, but no longer than thirty (30) days, the code official shall request the legal counsel of the City of Saint Louis to institute the appropriate proceedings at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful occupancy of the structure in violation of the provisions of this code or of the

order or direction made pursuant thereto. The time for compliance may be extended by the code official, upon written request, if there are extenuating circumstances. 108.4 Violation penalties. Any person, partnership or corporation who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, construct, alter or repair mechanical equipment or systems in violation of the approved construction documents or directive of the code official, or of a permit or license issued under the provisions of this code, shall, upon conviction thereof, be penalized as set forth in Section Four.

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 an dangerous or unsafe manner, or without permit, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property involved, or to the owner's agent, or to the person doing the work. The stop work order shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a 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 conditions, shall be subject to immediate arrest and, upon conviction thereof, be penalized as set forth in Section Four.

108.6 Abatement of violation. The imposition of the penalties herein prescribed shall not preclude the legal officer of the City of Saint Louis from instituting appropriate action to prevent unlawful construction or to restrain, correct or abate a violation, or to prevent illegal occupancy of a building, structure or premises, or to stop an illegal act, the conduct of business or operation of mechanical equipment or systems on or about any premises.

108.7 Unsafe mechanical systems. A mechanical system that is unsafe, constitutes a fire hazard, or is otherwise dangerous to human life, as regulated by this code, is hereby declared as an unsafe mechanical system. Use of a mechanical system regulated by this code constituting a hazard to health, safety or welfare by reason of inadequate maintenance, dilapidation, fire hazard, disaster, damage or abandonment is hereby declared an unsafe use. Such unsafe equipment is hereby declared to be a public nuisance and shall be abated by repair, rehabilitation, demolition or removal.

108.7.1 Authority to condemn mechanical systems. Whenever the code official determines that any mechanical system, or portion thereof, regulated by this code has become hazardous to life, health, property, or has become insanitary,

the code official shall order in writing that such system either be removed or restored to a safe condition. A time limit for compliance with such order shall be specified in the written notice. A person shall not use or maintain a defective mechanical system after receiving such notice.

When such mechanical system is to be disconnected, written notice as prescribed in Section 108.2 shall be given. In cases of immediate danger to life or property, such disconnection shall be made immediately without such notice. Fuel-fired or electrically supplied heating or cooling appliances or equipment shall not be removed from any structure to be demolished until the service supplied to the structure for such equipment has been terminated by the utility company.

108.7.2 Authority to order disconnection of energy sources. The code official shall have the authority to order disconnection of energy sources supplied to a building, structure or mechanical system regulated by this code, when it is determined that the mechanical system or any portion thereof has become hazardous or unsafe.

Written notice of such order to disconnect service and the causes therefor shall be given within twenty-four (24) hours to the owner and occupant of such building, structure, or premises, provided, however, that in cases of immediate danger to life or property, such disconnection shall be made immediately without such notice. Where energy sources are provided by a public utility, the code official shall immediately notify the serving utility in writing of the issuance of such order to disconnect.

108.7.3 Connection after order to disconnect. A person shall not make energy source connections to mechanical systems regulated by this code which have been disconnected or ordered to be disconnected by the code official until the code official, or the use of which has been ordered to be discontinued by the code official until the code official authorizes the re-connection and use of such mechanical systems. When a mechanical system is maintained in violation of this code, and in violation of a notice issued pursuant to the provisions of this section, the code official shall institute appropriate action to prevent, restrain, correct or abate the violation.

SECTION 109

MEANS OF APPEAL

109.1 Appeals. Any person aggrieved by the decision of the code official, or any Board hereunder, may appeal said decision to the Board of Building Appeals in the manner prescribed in Section 121.0 of the Building Code. The fee for said appeal is as prescribed in said Building Code.

SECTION M-110

BOARD OF STATIONARY ENGINEERS

110.1 General. There is hereby established a Board of Stationary Engineers. The Board shall act in an advisory capacity to the code official in the preparation of rules and regulations regarding installation, use and operation of boilers, steam generators and pressure vessels consistent with the provisions of this code.

110.1.1 Composition of board. The Board of Stationary Engineers shall be composed of three (3) members, one (1) member who shall be the code official or duly authorized representative and two (2) other members who shall be appointed by the Director of Public Safety.

The two (2) members appointed by the Director of Public Safety shall be engineers licensed by the City of Saint Louis under the provisions of this section as Class I licensed Stationary Engineers, with a minimum of five (5) years experience in the operation and maintenance of steam engines, steam boilers or steam turbines.

The Board shall elect their own chairman.

110.1.2 Duties of the board. The Board of Stationary Engineers shall give examinations to all applicants for Stationary Engineer's licenses, issue Boiler Operator Certificates of Competency or Stationary Engineer's Licenses to those who pass their respective tests, suspend or revoke such certificate or license for failure to maintain the standards imposed by this section of the code, and may order the reinspection of any boiler, steam generator or pressure vessel whenever deemed necessary for public safety.

110.2 Board sessions. The Board of Stationary Engineers shall provide for regular meetings and the code official shall act as the secretary to the Board and shall keep the minutes of all proceedings. The Board shall convene for business at least once a month, and at such additional times as the chairman shall designate, to conduct the business of the Board. A majority of the members of the Board of Stationary Engineers shall constitute a quorum. The Secretary

shall keep a register of the names and addresses of all successful applicants designating those found to be qualified for the various classes provided herein.

110.3 Rules and regulations. The Board of Stationary Engineers shall have the power to adopt such rules and regulations consistent with this section as it may deem necessary for the application of the provisions of this section. Such rules and regulations shall become effective upon approval by the majority of the Board, and shall be on file in the office of the code official, and shall be available to the public upon request.

110.4 Boiler operator certificate of competency. The operation of boilers or steam generators which are generating saturated steam in a pressure range of fifteen (15) psig minimum to one hundred and fifty (150) psig maximum each of which boilers has not more than one hundred (100) square feet of rated heating surface shall be at all times in the charge of a certified Boiler Operator. Application for a Boiler Operator's Certificate of Competency is to be made to the code official or duly authorized representative. The code official upon finding that the applicant is thoroughly familiar with the operational principles which concern the safety and care of the boiler or steam generator, shall issue to such applicant a Boiler Operator Certificate of Competency. The certificate is issued for work at a single specific location as designated on the application and is not transferable. The fee for the examination shall be as listed in Table 110.9.

110.5 Licensing of stationary engineers required. All Stationary Engineers shall be licensed as to the class as set forth in sections 110.5.1 through 110.5.4.

110.5.1 Licensing of operators of boilers or steam generators, less than 1500 square foot of heating surface. Any boiler or steam generator which has not more than 1500 square feet of rated heating surface, and which is rated to generate steam at pressures between fifteen (15) psig and three hundred (300) psig maximum or which is rated to generate hot water above 160 psig and 250oF to 300 psig, and associated equipment, shall be in the charge of an attending Class II or a Class I licensed Stationary Engineer, whenever in operation. Square footage shall be determined by the total input to a single header.

110.5.2 Licensing of operators of boilers or steam generators in excess of 1500 square feet of heating surface. Any boiler or steam generator producing saturated or superheated steam above 212oF in excess of fifteen (15) psig having a rated heating surface in excess of one thousand five hundred (1,500) square feet of hot water or any other liquid as defined in this code, or any boiler

or steam generator producing saturated or superheated steam or any high temperature liquid above 212°F in excess of three hundred (300) psig, regardless of rated heating surface, and any steam engine or steam turbine, associated with either of the said boilers or steam generators shall be in the charge of an attending Class I licensed Stationary Engineer, whenever in operation. Square footage shall be determined by the total input to a single header.

110.5.3 Licensing of operators of ammonia systems from 50 to 100 tons. Any ammonia system totaling between fifty (50) tons and one hundred (100) tons rated capacity shall be in the charge of an attending Class I or Class II licensed Stationary Engineer where located in any and all buildings, whenever in operation.

110.5.4 Licensing of operators of ammonia systems 100 tons and over. Any ammonia system totaling one hundred (100) tons or more rated capacity shall be in the charge of an attending Class I licensed Stationary Engineer where located in any and all buildings, whenever in operation.

110.6 Stationary engineer's license applications. The application for all classes of licenses shall be filed with the Secretary of the Board on the form prescribed by the Board of Stationary Engineers. Within a reasonable time, the Board shall examine all applicants who meet qualifications under Sections 110.6.1 thru 110.6.3 for the various classes of licenses in order to ascertain whether the applicants possess the knowledge, skill, ability and competency required for the class of license applied for, and for safe operation of various equipment. The Board shall issue to such applicants a license upon the Board finding that the applicant possesses the necessary qualifications and has successfully passed the required examination for the type of license sought.

110.6.1 Qualifications for stationary engineer, class I. All applicants for a Class I Stationary Engineer's License shall be a citizen of the United States, shall have made application for such citizenship, or shall be authorized to hold employment by the Immigration and Naturalization Service. The applicant shall be at least twenty one (21) years of age and shall have had at least two (2) years of training under a Class I licensed Stationary Engineer or equivalent training, or shall be registered with the Missouri State Board of Registration for Architects and Professional Engineers as an Engineer or as an Engineer in Training, and shall have been actually employed in the engineering or research division of a power generating plant in an engineering capacity for a minimum of twelve (12) months. The Board may accept twelve (12) months of formal training by a nationally recognized agency in lieu of experience. The applicant

shall demonstrate their knowledge, skill, ability and competency to the Board to operate boilers or steam generators of any size or capacity rating which are generating saturated or superheated steam at any pressure in excess of fifteen (15) psig, or hot water or any other liquid as defined in this code, and ammonia systems in excess of one hundred (100) tons capacity, and to operate associated power plant components and auxiliaries, such as steam turbines, engines, air compressors, ammonia systems, pumps, and feed water heaters, electric generators and other equipment.

110.6.2 Qualifications for stationary engineer, class II. All applicants for a Class II Stationary Engineer's License shall be a citizen of the United States, shall have made application for such citizenship, or shall be authorized to hold employment by the Immigration and Naturalization Service and shall be at least nineteen (19) years of age. The applicant shall have had at least one (1) year's experience in the operations of steam boilers or steam generators under the supervision of a Class I or Class II Stationary Engineer or equivalent training, or shall have had one (1) year's experience in maintenance work on steam boilers, steam generators and/or steam engines or steam turbines and/or ammonia systems in excess of fifty (50) tons capacity or shall be registered with the Missouri State Board of Registration for Architects and Professional Engineers as an Engineer or as an Engineer in Training. The Board may accept twelve (12) months of formal training by a nationally recognized agency in lieu of experience. The applicant shall demonstrate their knowledge, skill, ability and competency to the Board to operate boilers or steam generators which have not more than one thousand five hundred (1,500) square feet of rated heating surface and which are generating saturated or superheated steam in a pressure range of fifteen (15) psig minimum to three hundred (300) psig maximum, or hot water or any other liquid as defined in this code and to operate associated compressors, ammonia compressors, pumps, and feed water heaters, electric generators and other equipment.

110.7 Examination (all classes) for stationary engineers. The examination for a Class II Stationary Engineer's License shall be oral. The examination for Class I Stationary Engineer's License shall be both oral and written, provided that the applicant shall attain a predetermined percentage as set by the Board of Stationary Engineers in the written examination before the applicant becomes eligible for the oral examination. The written examination must be completed within six (6) months from the date of application. If the applicant does not pass either the oral or written examination the applicant shall wait ninety (90) days before filing a new application.

110.8 Temporary operation by unlicensed persons. In cases of emergency, and with the approval of the code official, an owner or steam user may appoint a trustworthy experienced person, familiar with the operation of the plant, as a temporary operator in plants where licensed operators are required by this code.

110.8.1 Permit to operate. Before a designated person can operate the plant, the code official or duly appointed representative, shall be notified. An inspection of the plant shall be made to determine the fitness of the appointed operator. If such person is found to be fit, a permit shall be issued by the code official for such person to operate the plant on a temporary basis; such permit shall be issued for no longer than thirty (30) days. After issuance of the permit, inspection of the plant thereafter shall be on a daily basis as long as the operator remains in the temporary classification. An inspection fee shall be charged per inspection to the owner or steam user payable upon receipt of bill; total cost to be determined at the conclusion of the daily inspections. See Table 110.9 for fee schedule.

110.8.2 Application for license. Within three (3) working days after permission is granted, the designated operator shall make application to the Board of Stationary Engineers for examination for the class license required for the plant. Application and examination shall be in accordance with the provisions of section 110.6. In the case of a Class I examination the applicant shall complete the written portion of the examination within fourteen (14) days. Both written and oral parts of the examination shall be completed so that the applicant's qualifications for licensing shall be determined within the thirty (30) day period of emergency operation. If the Board of Stationary Engineers determine that the applicant has failed the examination, the applicant's permit to operate on a temporary basis shall be revoked immediately and such person shall not be eligible for reappointment as a temporary operator until the examination has been passed.

110.9 Licenses and fees. At the time of the filing of the application, each applicant for a Boiler Operator Certificate of Competency or Stationary Engineer's License, shall pay to the Secretary of the Board of Stationary Engineers a filing fee as set forth in Table 110.9, to cover the cost of the examination given under the provisions of this section. Provided, further, that under no conditions shall said sum, or any part thereof, be refunded if the applicant fails to pass the examination or if the applicant fails to complete the written examination within the prescribed time limit as set by the Board of Stationary Engineers. All monies received by the secretary shall be paid to the City Treasurer. All applicants passing the examination for a Class I or Class II Stationary Engineer's License shall be presented, upon the passage of such

examination, with a Stationary Engineer's License for the class for which they have been licensed. All licenses shall be issued for a period of one (1) year from the date of issuance and shall be renewed each year. The fee for licenses renewal shall be as specified in Table 110.9.

**TABLE 110.9
LICENSE FEES
BOARD OF STATIONARY ENGINEERS**

ITEM	FEE	DURATION	REMARKS AND REQUIREMENTS
STATIONARY ENGINEER'S LICENSE			
Examination and Application Fee	\$ 15.00		
Class I	\$ 15.00	1 year	
Class II Renewal Fee	\$ 15.00	1 year	
Class I Class II	\$ 10.00		
BOILER OPERATORS CERTIFICATE OF COMPETENCY			
Examination Fee	\$ 8.00	1 year	Includes initial certification Issued for one year from date
Renewal	\$ 8.00		
TEMPORARY BOILER PLANT OPERATOR			
Permit - per day	\$100.00		Issued for up to 30 days

110.9.1 License to be displayed. At all times when boilers, steam generators or associated equipment are in use and are operating, there shall be in charge and attendance a licensed Stationary Engineer of the class designated in Sections

110.5.1 thru 110.5.4. The license shall be displayed in some prominent place where the boilers, steam generators and associated equipment are in use and any licensed Stationary Engineer shall be negligent in the performance of their duties, should they fail to display the license or have an invalid license on display while in attendance of boilers, steam generators and associated equipment in their charge and in operation.

110.9.2 Renewal. Boiler Operator Certificates of Competency and Stationary Engineer's Licenses shall be renewed annually by the Board of Stationary Engineers upon payment of an annual renewal fee. The Board of Stationary Engineers shall have the power to revoke such certificate or license for cause.

110.9.3 Notice of change of employment. Every Stationary Engineer or Boiler Operator regulated under the provisions of this section is required to notify the Secretary of the Board of Stationary Engineers, within forty eight (48) hours thereafter, when they accept or leave employment as a Stationary Engineer or Boiler Operator and to submit the name of their new employer.

110.10 Penalty. Any owner or steam user of a boiler, steam generator or associated equipment who shall neglect or refuse to employ a licensed Stationary Engineer of the class designated in Section 110.5, or who allows any unlicensed person to be in charge and attendance of boilers, steam generator or associated equipment requiring a licensed Stationary Engineer, except as provided for in section 110.8, shall, upon conviction thereof, be penalized as set forth in Section Four.

110.10.1 Penalty for violation by operators. Any licensed Class II Stationary Engineer or certified Boiler Operator who shall be in charge and attending the operation of a boiler, steam generator or associated equipment in excess of the legal size and capacity, shall, upon conviction thereof, be penalized as set forth in Section Four. In addition to such fine, the License of such Stationary Engineer or the Certificate of Competency of the Boiler Operator shall be suspended for a period not to exceed ninety (90) days or revoked as determined by the Board of Stationary Engineers.

110.10.2 Suspension of license. The Board of Stationary Engineers shall order the suspension for not exceeding ninety (90) days, or revocation of a Stationary Engineer License or Boiler Operator Certificate of Competency of any person regulated under the provisions of this section where the Board, after a public hearing, finds that the licensee is addicted to drugs or alcohol, or was under the undue influence of drugs or alcohol while in attendance and performing their duties as a licensed Stationary Engineer or certified Boiler Operator, or has been negligent in the performance of their duties while in attendance of the equipment for which they are licensed so as to endanger the lives and property of persons in the immediate area of such equipment; provided further that such person shall be given a ten (10) day notice of the time and place of such hearing. Such person may be represented by counsel at such hearing before such Board. The Board of Stationary Engineers, at their discretion, may order a new examination for applicants for reinstatement of a license or certificate suspended or revoked under the provisions of this section.

The Board of Stationary Engineers shall also order the suspension for a period not to exceed thirty (30) days, of the Stationary Engineer's License or Boiler Operator Certificate of Competency of any person licensed under the

provisions of this section, where the Board, after a public hearing, shall find that the licensee has failed to comply with the provisions of this section. Such person shall be given a ten (10) day notice of such hearing and may be represented by counsel at such hearing.

110.11 Failure to comply. Any owner or steam user who fails to comply with the above provisions of this code shall be in violation of this code and the code official shall and is hereby directed to consider the plant unsafe and officially seal the plant out of service.

Modify Section 202 by the alteration of the following definitions:

AIR DISTRIBUTION SYSTEM. Any system of ducts, plenums and air-handling equipment that circulates air between two or more spaces and includes systems made up of one or more air-handling units.

SAFETY VALVE. A valve that relieves pressure in a closed system by opening fully at the rated discharge pressure. The valve is of the spring pop type.

Change Section 301.6 to read as follows:

301.6 Conflicts. Where conflicts between this code and conditions of listing occur, the provisions of this code shall apply.

Add Section 301.15 to read as follows:

301.15 Annual Inspections. All mechanical equipment shall be inspected annually by the code official. Satisfactory conditions shall be denoted by the attachment of an approval sticker to the equipment. Exceptions:

1. Mechanical equipment in Use Group R 3,
2. Refrigeration equipment of less than 15 tons capacity
3. Kitchen exhaust equipment.

Add Section 302.3.2 to read as follows:

302.3.2 Stud Guards. When the edge of bored holes is less than one inch (1"), stud guards shall be installed to protect service lines from fastener damage.

Change Section 303.5 to read as follows:

303.5 Indoor locations. Fuel fired equipment not listed for closet or alcove installation shall be installed in rooms or spaces with adequate combustion air as required by Chapter 7.

Change Section 303.7 to read as follows:

303.7 Pit locations. Equipment installed in pits or excavations shall not come in direct contact with the surrounding soil. The sides of the pit or excavation shall be held back a minimum of 12 inches (305 mm) from the equipment except where additional space is required for servicing or maintenance. Where the depth exceeds 12 inches (305 mm) below adjoining grade, the walls of the pit or excavation shall be lined with concrete or masonry extending a minimum of 4 inches (102 mm) above adjoining grade having sufficient lateral load bearing capacity to resist collapse. The equipment shall be protected from flooding in an approved manner.

Change Section 304.1 to read as follows:

304.1 General. Equipment shall be installed as required by the terms of its approval. Equipment and appliances shall be installed in accordance with the conditions of listing and the manufacturer's installation instructions and this code. Manufacturer's installation instructions shall be available on the job site at the time of inspection. Mechanical equipment and appliances for installation in a hazardous location shall be installed in accordance with the manufacturer's instructions for the labeled equipment.

Change Section 304.4 to read as follows:

304.4 Private garages. Appliances located in private garages shall be installed with a minimum clearance of 8 feet (2439 mm) above the finish floor.
Exception: The requirements of this section shall not apply where the appliances are protected from motor vehicle impact and installed in accordance with Section 304.2 and NFPA 88B.

Add Section 304.10 to read as follows:

304.10 Equipment guards. Pulleys, belts, gears and similar equipment shall be protected by an approved guard.

Change Section 306.1.1 to read as follows:

306.1.1 Central furnaces. Central furnaces within compartments or alcoves shall have a minimum working space clearance as specified by the

manufacturer but not less than 3 inches (76 mm) along the sides, back and top with a total width of the enclosing space being at least 12 inches (305 mm) wider than the furnace. Furnaces having a firebox open to the atmosphere shall have at least 6 inches (152 mm) working space along the front combustion chamber side. Combustion air openings at the rear or side of the compartment shall comply with the requirements of Chapter 7. Exception: This section shall not apply to replacement equipment and appliances installed in existing compartments and alcoves where the working space clearances are in accordance with the equipment or appliance manufacturer's installation instructions.

Change Section 306.3 to read as follows:

306.3 Equipment in attics. Attics containing equipment requiring access shall be provided with an opening and unobstructed passageway large enough to allow removal of the largest piece of equipment, but not less than 30 inches (762 mm) high and 30 inches (762 mm) wide and not more than 20 feet (6096 mm) in length when measured along the centerline of the passageway from the opening to the equipment. The passageway shall have continuous solid flooring not less than 24 inches (610 mm) wide. A continuous level service space at least 30 inches (762 mm) deep and 30 inches (762 mm) wide shall be present at the front or service side of the equipment. The access opening dimensions shall be a minimum of 22 inches by 30 inches (559 mm by 762 mm), where such dimensions are large enough to allow removal of the largest piece of equipment.

Exception: The passageway and level service space are not required where the equipment is capable of being serviced and removed through the required opening.

Add Sections 306.5.1 thru 306.5.3.

306.5.1 Outside ladders. Permanent or portable outside ladders may be provided on the inside or outside of single story buildings not over twenty (20) feet in height. All other means of access shall be a permanent or fold away inside stairway or ladder with railings, terminating in an enclosure, scuttle or trap door. Such scuttles or trap doors shall be at least thirty (30) inches in the smallest dimension and shall open easily and safely under all conditions, especially snow, and shall be constructed so as to permit access from the roof side, unless deliberately locked from the inside. At least six (6) feet clearance shall be available between the access opening and the edge of a roof or similar hazard. Otherwise rigidly fixed rails or guards at least three (3) feet in height

shall be provided on the exposed side, except that parapets at least three (3) feet in height may be utilized in lieu of guards or rails.

306.5.2 Catwalks. Level catwalks not less than twenty four (24) inches wide shall be provided from the roof access to every required working platform at the appliance. Catwalks with slope greater than three (3) inches to twelve (12) inches shall be provided with substantial cleats spaced not more than sixteen (16) inches apart. The down slope side of catwalks on pitched roofs shall be provided with minimum thirty six (36) inch high handrails.

306.5.3 Lighting. Proper permanent lighting shall be provided at the roof access. The switch for such lighting shall be located inside the building near the access means leading to the roof.

Change Section 306.6 to read as follows:

306.6 Roof access. Every appliance located on a roof of a building shall be installed on a level platform. Whenever the roof has a slope greater than three (3) inches measured vertically to twelve (12) inches measured horizontally, a level working platform not less than thirty (30) inches in depth shall be provided on each down slope side of the appliance. All sides of any working platform shall be protected by a substantial railing thirty six (36) inches in height with vertical rails not more than twenty one (21) inches apart, except that parapets at least thirty six (36) inches in height may be utilized in lieu of rails or guards. Scuttles located on other than the roof incline side of the equipment unit shall have their lids or trap doors hinged on the low side of the scuttle. Such lids or trap doors shall be equipped with means to ensure an opening radius of not less than ninety (90) degrees nor more than one hundred (100) degrees from the closed position. Scuttle lids or trap doors and hardware, when opened, shall be capable of withstanding a three hundred (300) pound lateral load from the roof incline side.

Change Section 307.2.5 to read as follows:

307.2.5 Traps. Condensate drains shall be trapped as required by the equipment or appliance manufacturer. An air gap shall be provided between the drainline and the sewer.

Change Section 308.1 to read as follows:

308.1 Scope. This section shall govern the reduction in required clearance to combustible materials and combustible assemblies for chimneys, vents, mechanical appliances, and mechanical devices and equipment.

Add Section 309 to read as follows:

SECTION 309

MEDICAL GASES

309.1 Nonflammable medical gases. Nonflammable medical gas systems shall be designed and installed in accordance with Chapter 4 of NFPA 99 listed in Chapter 16.

309.2 Anesthetic systems. Inhalation anesthetic systems shall be designed and installed in accordance with Chapters 3 and 4 of NFPA 99 listed in Chapter 16.

309.3 Oxygen systems. Nonmedical oxygen systems shall be designed and installed in accordance with NFPA 50 and NFPA 51 listed in Chapter 16.

Change Section 401.3 to read as follows:

401.3 Where required. Ventilation shall be provided during the periods that the room or space is occupied. Spaces containing fuel burning appliances shall be ventilated per Chapter 7.

Change Section 401.7 to read as follows:

401.7 Opening location. Outside air exhaust and intake openings shall be located a minimum of 10 feet (3048 mm) from lot lines or buildings on the same lot. In multi story structures the location of intake and exhaust openings shall be approved by the code official.

Change Section 401.7.2 to read as follows:

401.7.2 Exhaust openings. Outside exhaust openings shall be located so as to not create a nuisance. Exhaust air shall not be directed onto walkways. Exhaust openings above driveways and alleys shall be located fourteen (14) feet above grade measured to the bottom of the opening or equipment if the exhaust equipment protrudes beyond the wall.

Change Section 505 to read as follows:

SECTION 505

KITCHEN EXHAUST EQUIPMENT

505.1 Domestic systems. Where cooking appliances located within dwelling units are provided with domestic exhaust hoods that discharge to the outdoors, such hoods shall discharge through noncombustible ducts installed in accordance with the hood manufacturer's installation instructions.

505.2 Commercial systems. Commercial systems shall comply with Sections 506, 507, 508 and 509 of this code and NFPA 96 listed in Chapter 16.

505.3 Cleaning schedule. A cleaning schedule shall be maintained by the owner or occupant for every commercial kitchen exhaust system. The schedule shall indicate the methods of cleaning and the time interval between cleanings.

505.4 Existing Equipment. Existing kitchen exhaust equipment shall be made of steel or stainless steel, shall be of liquid tight construction throughout the head and associated exhaust duct(s), shall incorporate an approved fire suppression system and shall successfully pass a capture test.

Add Sections 507.13.1 and 507.13.2 to read as follows:

507.13.1 Pizza oven. The exhaust air requirements for a chamber type oven shall be 10 cfm/lineal foot of door opening or 500 cfm, whichever is more. For conveyor type ovens the exhaust air shall be 50 cfm times the total area of the end openings or 500 cfm whichever is more. The hood shall effectively capture the vapors from the air.

507.13.2 Dishwashing equipment hoods. The total quantity of air (Q) to be exhausted from dishwashing equipment hoods shall be determined by the following formula:

Pantleg Hoods: $Q = 150 \text{ cfm/square foot of door area each end}$. Exhausted Vestibules: $Q = 15 \text{ cfm/square foot of entrance and exit area}$. When duct takeoffs are an integral part of the unit, follow manufacturer's recommendations for exhaust rate.

Change Sections 508.1 and 508.1.1 to read as follows:

508.1 Makeup air. Makeup air shall be supplied during the operation of the kitchen exhaust system whenever the volume of air exceeds 1500 cfm. Makeup air must be all outside air equal in volume to the amount exhausted with a

minimum of eighty percent (80%) supplied to the kitchen proper. Air exhausting devices shall be interlocked with the required makeup air devices so they operate simultaneously.

508.1.1 Makeup air temperature. The temperature differential between the makeup air and the air in the conditioned space shall not exceed 10o F (5.5o C).
Exceptions:

1. Makeup air that is part of the air-conditioning system.
2. Makeup air that does not decrease the comfort conditions of the occupied space.

Add Section 511.3 to read as follows:

511.3 Equipment in airstream. Fans and mechanical equipment shall not be located within the airstream unless specifically approved for such installation.

Change Section 601.3 to read as follows:

601.3 Contamination prevention. Exhaust ducts under positive pressure and venting systems shall be sealed from leakage and shall not extend into or pass through ducts or plenums.

Add Section 602.2.2 to read as follows:

602.2.2 Pipe. Pipe shall be noncombustible or insulated if combustible. All insulation shall have a flame spread of 25 or less and a smoke developed rating of 50 or less when tested in accordance with ASTM E84 listed in Chapter 16. Plastic sprinkler pipe shall be permitted exposed in plenums where the piping has a peak optical density not greater than 0.50, an average optical density not greater than 0.15 and a flame spread not greater than 5 feet (1524 mm) when tested in accordance with UL 1887 listed in Chapter 16. Piping shall bear the label of an approved agency.

Change Section 602.3 to read as follows:

602.3 Stud cavity and joist space plenums. Stud wall cavities and the spaces between solid wall floor joists to be utilized as air plenums shall comply with the following conditions:

1. Such cavities shall not be utilized as a plenum for supply air.

2. Such cavities or spaces shall not be part of a required fire-resistance-rated assembly.
3. Stud wall cavities shall not convey air from more than one floor level.
4. Stud wall cavities and joist space plenums shall comply with the floor penetration requirements of the building code.
5. Stud wall cavities and joist space plenums shall be isolated from adjacent concealed spaces by approved fire-blocking as required in the building code.
6. Panning of the joist space for return air is permitted in one and two family dwellings only.

Add Section 603.21 to read as follows:

603.21 Visual duct openings. Duct openings in bathrooms, toilet rooms and changing rooms shall prevent visual observation from adjoining rooms.

Change Section 702.1 to read as follows:

702.1 Air from the same room or space. The room or space containing fuel-burning appliances shall be an unconfined space. Combustion air requirements shall be determined based on the simultaneous operation of all fuel-burning appliances drawing combustion and distillation air from the room. Inside air shall be available for each fuel-burning appliance at the rate of 40 cubic feet of room air volume per 1,000 British thermal units per hour (Btuh) (3.86 m³/kW) input rating. In buildings of unusually tight construction, combustion air shall be obtained from the outdoors in accordance with Section 703, 704, 706 or 707.

Change section 801.12 to read as follows:

801.12 Appliances not requiring vents. Except as otherwise required by an appliance listing or its manufacturers instructions, the following appliances shall not be required to be vented. Any appliance included below listed for vented use or having installation limitations shall be installed in accordance with its listing or installation limitations.

1. Domestic ranges and wall ovens.
2. Refrigerators.

3. Counter appliances.
4. Specialized equipment of limited input, such as laboratory burners or gas lights.
5. Unvented room heaters conforming to the requirements of Chapters 3 and 9.
6. A single listed booster-type (automatic instantaneous) water heater where designed and used solely for the sanitizing rinse requirements of a dishwashing machine, provided that the input is limited to 50,000 Btu/h (14.7 kW), the storage capacity is limited to 12.5 gallons (47 L), and the heater is installed, with the draft hood in place unaltered, in a commercial kitchen having a mechanical exhaust system. Where installed in this manner, the draft hood outlet shall not be less than 36 inches (914 mm) vertically and 6 inches (152 mm) horizontally from any surface other than the heater.

Change Section 805.3.3 to read as follows:

805.3.3 Termination. The termination of chimneys or vents equipped with power exhausters shall be in accordance with the approved specifications of the manufacturer of the appliance except that they shall not exhaust over public ways or walkways.

Add Section 805.3.8 to read as follows:

805.3.8 Connections to exhauster. All appliance connections to a chimney or vent equipped with a power exhauster shall be made on the inlet side of the exhauster unless the exhauster is an integral part of the appliance. All joints on the positive pressure side of the exhauster shall be sealed to prevent flue gas leakage.

Change Section 918.3 to read as follows:

918.3 Mounting post. Illuminating appliances designed for post mounting shall be securely attached to a rigid post imbedded in concrete to a depth of thirty (30) inches.

Change Section 1001 to read as follows:

SECTION 1001

GENERAL

1001.1 Scope. In addition to the other provisions of this code, this chapter shall govern the installation, alteration, and repair of water heaters, boilers and pressure vessels. The provisions of the ASME Code for Boilers and Pressure Vessels as listed in Chapter 16 shall apply. Exceptions:

1. Pressure vessels used for unheated water supply.
2. Portable pressure vessels and Interstate Commerce Commission containers.
3. Containers for liquefied petroleum gases, bulk oxygen and medical gas.
4. Pressure vessels having a volume of 5 cubic feet (0.14 m³) or less operating at pressures not exceeding 250 psi (1724 kPa) and located within occupancies of Use Groups B, F, H, M, R, S and U.
5. Pressure vessels used in refrigeration systems that are regulated by Chapter 11 of this code.
6. Pressure tanks used in connection with coaxial cables, telephone cables, power cables and other similar humidity control systems.
7. Any boiler or pressure vessel subjected to inspection by federal or state inspectors.

1001.2 Periodic inspections. All boilers, steam generators and pressure vessels subject to the provisions of this code shall be inspected annually by the code official or representative. The inspection shall be as thorough as circumstances permit.

Exception: Heating boilers or pressure vessels which are located in buildings of Use Group R 3 or Use Group R-2 having six (6) dwelling units or less.

1001.3 Certificate of inspection. A boiler, steam generator or pressure vessel subject to the provisions of this code shall not be placed in operation until a sticker denoting inspection and approval has been applied to the vessel.

1001.4 Major repairs. Welded repairs to boilers, steam generators and pressure vessels subject to the provisions of this code shall be performed only by those organizations which possess the appropriate ASME Certificate of Authority with extension to field work or an "R" Certificate of Authority issued by the National Board of Boiler and Pressure Vessel Inspectors. A permit shall be required for such work. The fee shall be the same as the fee for installation of

the vessel as set forth in Table 106.5.2. A hydrostatic test shall be performed on the vessel before it is returned to service.

1001.5 Condemnation. Any boiler or pressure vessel which, in the opinion of the code official, constitutes a hazard shall be deemed unsafe and sealed out of service.

Change Section 1004.6 to read as follows:

1004.6 Boiler rooms and enclosures. Boiler rooms and enclosures and access thereto shall comply with the building code and Chapter 3 of this code. Boiler rooms shall be equipped with a floor drain or other approved means for disposing of liquid waste. In addition, except for one and two family dwellings or when the boiler is entirely within a dwelling unit, all other boilers or combination boilers shall be installed in a room protected by an enclosure designed to prevent unauthorized entry. Storage or living quarters shall not be permitted in any boiler or similar heating equipment room.

Change Section 1005.1 to read as follows:

1005.1 Valves. Every boiler or battery of modular units shall have a shutoff valve in the supply and return piping. For multiple boiler or battery of modular unit installations, every boiler or battery of modular units shall have individual shutoff valves in the supply and return piping.

Change Section 1006.1 to read as follows:

1006.1 Safety valves for steam boilers. All steam boilers shall be protected by safety valves as required by the ASME Code for Boiler and Pressure Vessels listed in Chapter 16.

Add Section 1011.1.1 to read as follows:

1011.1.1 Test of existing vessels. The pressure for vessels previously in service shall be as specified in the National Board Inspection Code listed in Chapter 16.

Change section 1008.1 to read as follows:

1008.1 General. Every steam boiler shall be equipped with one gate valve and one quick-opening blowoff valve in series in each blow-down line. The valves shall be installed in the opening provided on the boiler. The minimum size if

the valve shall be the size specified by the boiler manufacturer or the size of the boiler blowoff-valve opening.

Add Section 1012 to read as follows:

SECTION 1012

BLOWOFF TANKS

1012.1 General. Blowoff tanks shall be designed and fabricated in accordance with Section VIII of the ASME Boiler Code as listed in Chapter 16 and shall be so stamped.

1012.1.1 Boilers less than 100 psi. For boilers carrying one hundred (100) psi steam pressure or less, the heads and shell shall be constructed of not less than one fourth inch (1/4") steel or equivalent strength material.

1012.1.2 Boilers greater than 100 psi. For boilers carrying in excess of one hundred (100) psi pressure, tanks shall be fabricated of materials designed for the pressures carried.

1012.2 Size. The size of the tank shall be indicated by the blow down requirements, and the tank installed shall be large enough to blow down one (1) gauge glass of water from one (1) boiler or from any one (1) of a battery of boilers interconnected. The size of the tank shall be of sufficient capacity so the blow down water from the boiler will only fill one half (1/2) the capacity of the tank, and the remaining volume of the tank will be available for the vapor displacement.

1012.3 Discharge. The discharge from the boiler or boilers shall enter the tank above the high water level or surface of the water in such tank. A baffle plate shall be installed in the tank in line with the inlet pipe from the boiler and shall be at least twelve (12) inches from the discharge opening from the boiler into the tank. The outlet opening or discharge from the tank shall be at least two (2) times the area of the inlet pipe, and such outlet pipe shall have an internal pipe built into the tank, extending downward to within four (4) inches of the bottom of the tank. The discharge pipe shall be connected to a sewer through a running trap or to an approved leaching well.

1012.4 Venting.

1012.4.1 Vent pipe size. All blow off tanks shall be properly vented to the outside atmosphere. Such vent pipes shall be at least four (4) times the area of

the inlet pipe from the boiler, and such pipe shall not be less than two (2) inch iron pipe size.

1012.4.2 Pipe discharge. The vent pipe shall be run as directly as possible to the outside atmosphere and in a suitable location so that any steam or water discharged by the blow down of the boiler would not be dangerous or injurious to life.

1012.4.3 Vent obstructions. The vent shall be free of any pockets or sags that might collect or hold water or cause an obstruction of the pipe and pressure buildup in the tank. The end of the vent pipe shall be protected from the possibility of any obstruction.

1012.5 Manhole. Each blow down tank shall be provided with a suitable manhole for the inspection and cleaning of the tank.

Add Section 1013 to read as follows:

SECTION 1013

RETURN CONDENSATE

1013.1 Maximum temperature. The return condensate from a building heated by a central steam supply may be discharged either into a condensate return system or wasted into a sewer drain connection or approved leaching well. This condensate when discharging into a sanitary sewer system shall not be in excess of one hundred forty degrees Fahrenheit (140oF) and shall discharge into an open floor drain or a special drain connection or approved receptor. If the floor drain or drain connection to the sewer is above the level of the return piping so that it cannot flow by gravity, an automatic sump pump shall be installed to pump the condensate from the sump to the sewer drain.

Add Section 1102.2.4 to read as follows:

1102.2.4 Discharge of ammonia. Where ammonia is utilized, the ammonia shall discharge into a tank of water which shall not be utilized for any other purpose except ammonia absorption.

Add Section 1014 to read as follows:

SECTION 1014

FIELD ASSEMBLY

1014.1 Welding. Any welding required during assembly shall be performed by welders employed and qualified by companies in possession of the appropriate ASME Certificate of Authorization.

Add Section 1109 to read as follows:

SECTION 1109

RESIDENTIAL AIR CONDITIONERS

1109.1 Permits. Mechanical permits shall not be required for residential air conditioning units for dwellings of six (6) families or less.

1109.2 Residential split systems. When a condensing unit for residential uses (R 1, R 2 or R 3) is to be located on grade, it shall not be located in front of the designated building line.

1109.3 Condenser foundations. All condensing units mounted on grade must be located on a level, four inch (4") thick concrete pad or other foundation approved by the code official prior to installation.

1109.4 Protection of refrigerant lines. All piping installed above grade, or underground, shall be protected from damage and corrosion in keeping with recognized standard practice and the recommendations of the manufacturer.

1109.5 Units in areaways. Where areaways less than four (4) feet in width exist between buildings, all window units shall be installed not less than seven (7) feet above grade.

Add Section 1301.8 to read as follows:

1301.8 Gas piping installation. Installation of fuel gas piping system, equipment and related accessories, shall be in accordance with this chapter. Items not governed by this chapter shall be in accordance with NFPA 54 listed in Chapter 16.

Change Section 1304.16 to read as follows:

1304.16 Outlet closures. Gas outlets that do not connect to appliances shall be valved and capped gas tight.

Modify Chapter 16 by adding the following:

ANSI

NB 23 National Board Inspection Code.....1011.1.1

ASME

ASME-95 Boiler & Pressure Vessel Code

Sections I thru X1001.1, 1001.4, 1004.1, 1006.1

1011.1, 1012.1

CODES

BNBC-96 BOCA National Building Code

BNFPC-96 BOCA National Fire Prevention Code

NFPA

50-1990 Bulk Oxygen Systems on Consumer Sites.....309.3

51-1992 Oxygen - Fuel Gas Systems for Welding, Cutting and Allied Processes.....309.3

54 1992 National Fuel Gas Code1301.8, 1304.18

96 1994 Cooking Equipment, Vapor Removal505.2

99C-93 Gas and Vacuum Systems.....309.1, 309.2

Section Four.

Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof, or who shall erect, construct, alter, extend, repair, remove, demolish, use or occupy any building, structure or premises or equipment regulated by this code in violation of an approved construction document or directive of the code official or the Board of Building Appeals, or of a permit, license or certificate issued under the provisions of this code, shall, upon conviction thereof, be punished by a fine of not more than five hundred dollars (\$500.00), or by imprisonment not exceeding ninety (90) days, or both such fine and imprisonment. Each day that a violation continues shall constitute a separate and distinct offense.

Section Five.

That nothing in this Ordinance or in the Mechanical Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section One of this Ordinance; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this Ordinance.

Section Six.

If a section, subsection, sentence, clause or phrase of this code is, for any reason held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this code.

Section Seven.

This being an ordinance necessary for the immediate preservation of the public safety, it is hereby declared to be an emergency measure and shall become effective immediately upon its approval by the mayor.

Legislative History					
1ST READING	REF TO COMM	COMMITTEE	COMM SUB	COMM AMEND	VOTE
06/07/96	06/07/96	PS			
2ND READING	FLOOR AMEND	FLOOR SUB	VOTE	PERFECTN	PASSAGE
06/14/96				06/21/96	06/28/96
ORDINANCE	VETOED		VETO OVR		EFFECTIVE
63806					