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a Municipal Corporation, hereby certifies
that the foregoing is a true and correct
copy of attachment herewith set out as
appears of record in the City Clerk's Office,
175 E 2nd Street, Suite 260, Tulsa, OK,
this 28th day of FEBRUARY, 2014
by Arnold K. Hill
Deputy City Clerk

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ORDINANCE NO. 23004



AN ORDINANCE AMENDING THE MECHANICAL CODE OF THE CITY OF TULSA, OKLAHOMA, TITLE 59, TULSA REVISED ORDINANCES, ENTITLED "MECHANICAL CODE"; AMENDING CHAPTER 1 TITLED "ICC INTERNATIONAL MECHANICAL CODE, 2009 EDITION," SECTION 108.7.4 & SECTION 109.2 BY REPLACING THE MECHANICAL EXAMINERS AND APPEALS BOARD AND VESTING APPEAL AND OTHER AUTHORITY IN THE BOARD OF APPEALS AS CREATED IN TITLE 51, TULSA'S REVISED ORDINANCES, CHAPTER 1; REPEALING SECTIONS 109.2.1 THROUGH 109.8; AMENDING SECTION 111.7 TO AUTHORIZE THE BOARD OF APPEALS TO SUSPEND OR REVOKE CERTIFICATES OF REGISTRATION; AMENDING CHAPTER 2 TITLED "STATIONARY ENGINEERS," SECTIONS 200 AND 201, TRANSFERRING CERTAIN AUTHORITY FROM THE MECHANICAL EXAMINERS AND APPEALS BOARD TO THE CODE OFFICIAL; AND AUTHORIZING THE BOARD OF APPEALS TO DENY, REVOKE, SUSPEND OR CANCEL, FOR CERTAIN CAUSES, LICENSES ISSUED TO STATIONARY ENGINEERS AND PROCESS STEAM BOILER OPERATORS; AMENDING CHAPTER 3 TITLED "INTERNATIONAL FUEL GAS CODE, 2009 EDITION," SECTION 109.0 PROVIDING THAT APPEALS OF ORDERS, DECISIONS OR DETERMINATIONS MADE BY CODE OFFICIALS SHALL BE HEARD BY THE BOARD OF APPEALS AS ESTABLISHED BY TITLE 51, CHAPTER 1, TULSA REVISED ORDINANCES; REPEALING ALL OTHER ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT HEREWITH; PROVIDING FOR SEVERABILITY; AND DECLARING AN EMERGENCY.

BE IT ORDAINED BY THE CITY OF TULSA:

Section 1. That Title 59, Tulsa Revised Ordinances, Chapter 1 be and the same is hereby amended to read as follows:

"TITLE 59 MECHANICAL CODE

- Chapter 1. ICC International Mechanical Code, 2009 Edition**
- Chapter 2. Stationary Engineers**
- Chapter 3. ICC International Fuel Gas Code, 2009 Edition**

CHAPTER 1. ICC INTERNATIONAL MECHANICAL CODE, 2009 EDITION

Section 100. Adoption of the ICC International Mechanical Code, 2009 Edition:

Section 101. Amendments to the ICC International Mechanical Code, 2009 Edition.

Section 100. Adoption of the ICC International Mechanical Code, 2009 Edition

A certain document, three (3) copies of which are on file in the Office of the City Clerk of the City of Tulsa, Oklahoma, being marked and designated as the *ICC International Mechanical Code, 2009 Edition*, as published by the International Code Council (ICC), is hereby adopted as a part of the Tulsa Revised Ordinances, hereinafter the "Mechanical Code," for the control of mechanical equipment located in buildings and structures in the City of Tulsa. Each and all of the terms, conditions, regulations, provisions, and penalties of the *ICC International Mechanical Code, 2009 Edition*, are hereby referred to, adopted and made a part of the Tulsa Revised Ordinances as if fully set out in this chapter, with its amendments, if any, as prescribed in Section 101 of this chapter and, as used in this Chapter 1, may be referred to as the "code."

Section 101. Amendments to the ICC International Mechanical Code, 2009 Edition

The following provisions of the *ICC International Mechanical Code, 2009 Edition*, are hereby added, deleted, or amended to read as follows:

Chapter 1 – Administration

Section 101.1 Title--Amendatory. This code shall be known as the "Mechanical Code of the City of Tulsa," and may be cited as the "Mechanical Code," or in this title as "this code."

Section 103 Office of Mechanical Inspection--Amendatory

103.1 Authority Having Jurisdiction --Amendatory. Pursuant to Title 11, Tulsa Revised Ordinances, Chapter 2, the Director of Planning and Economic Development Department, or the Director's designated representative, as provided for by Title 51, Section 103.2 Tulsa Revised Ordinances, shall direct the administration of the Mechanical Code of the City of Tulsa.

103.1.1 Code Official--Added. Code official, as used in this ordinance, shall be the Mechanical Inspections Supervisor and such assistants as may be duly employed.

106.1 When Required--Amendatory. A contractor who desires to erect, install, enlarge, alter, repair, remove, convert, or replace a mechanical system, the installation of which is regulated by this code, or to cause such work to be done, shall first make application to the code official and obtain the required permit for the work.

Exception. Where 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 Office of Mechanical Inspection.

106.1.1 Air Compressor and Tank Permits--Added. Permits for air compressors and tanks only, excluding piping for air distribution, may be issued to the owner or lessee, or the agent of either, of a building or structure in which the air compressors or tanks are to be installed, or to the contractor or material supplier employed to perform the work. Permits shall be issued on a cash basis only.

106.1.2 Separate Permit Required--Added. A separate permit shall be required for each building within a complex and for each gas meter, when there is a multi-meter installation on a single building.

106.3 By Whom Application is Made--Amendatory. No mechanical permit shall be issued to any person, firm, limited liability company, or corporation until such person, firm, limited liability company, or corporation has received a Certificate of Registration appropriate for the work contemplated.

106.5.1 Work Commencing Before Permit Issuance--Deleted. Section 106.5.1 of the *ICC International Mechanical Code 2009 Edition* is intentionally deleted from this code.

106.5.2 Fee Schedule--Amendatory. Permit and inspection fees for all mechanical work shall be in accordance with the schedule established in Title 49, Tulsa Revised Ordinances.

107.3.2.1 Testing Equipment--Added. It shall be the responsibility of the owner, in all cases of annual inspection where tests are required by the code official, and the responsibility of the contractor in all other instances where tests are required by this code, to furnish all necessary plugs, gauges, meters, and other apparatus for such testing, and to have the system to be tested ready when calling for such inspection.

107.3.2.2 Carbon Monoxide Testing--Added. When tests for carbon monoxide are required, tests shall be performed by an approved testing agency. The test results and other data necessary, shall be furnished to the code official and the code official shall determine conformance with this code.

108.4 Violation Penalties--Amendatory. Any person violating any of the provisions of this code shall be guilty of a misdemeanor offense and, upon conviction thereof, shall be punished by a fine of not more than Five Hundred Dollars (\$500.00), excluding cost, fees, and assessments or by imprisonment in the City Jail for a period not exceeding ninety (90) days, or by both such fine and imprisonment. Each day or portion of a day, that a violation continues shall be deemed a separate offense.

108.7.4 Fine Not Exclusive Penalty--Added. The penalties prescribed in this code shall not be exclusive or prevent independent action by the Board of Appeals as created and provided in Title 51, Chapter 1, Tulsa Revised Ordinances to suspend or revoke the Certificate of Registration of any person subject to this code, and shall not prevent the City of Tulsa, or its authorized officials, from taking other action authorized by law to remedy the violation.

109.2 Means of Appeal--Amendatory. Appeals of orders, decisions or determinations made by the code official relative to the application and interpretation of this code, shall be made to the Board of Appeals as established and provided in Title 51, Chapter 1, Tulsa Revised Ordinances.

111.0 Registration of Mechanical Contractors--Added.

111.1 General--Added. No person, firm, limited liability company, or corporation shall be issued a permit, engage or offer to engage in, by advertisement or otherwise, any mechanical work in the City of Tulsa as a contractor unless such person, firm, limited liability company, or corporation has properly registered with the City of Tulsa. All contractors, journeymen, and apprentices shall carry their state license on their person at all times while performing mechanical work within the City of Tulsa and shall display the same upon request from the code official or a police officer of the City of Tulsa. No person issued a contractor's license shall employ or supervise persons performing mechanical work unless those person(s) are licensed or allow any apprentice to perform mechanical work unless the apprentice shall have direct supervision by a properly licensed person.

111.2 Requirements for Registration--Added.

- A. **State Licensees.** Any person, firm, limited liability company, or corporation holding a current state of Oklahoma license or registration issued under the provisions of 59 O.S.Supp.2005, §§ 1850.1, *et seq.*, as amended, shall be issued a Certificate of Registration after paying the fees required by this code.
- B. **City of Tulsa Licensees.** Any person, firm, or corporation holding a current City of Tulsa License or registration issued under the provisions of this ordinance shall be issued a Certificate of Registration after paying the fees as set forth in Title 49, Tulsa Revised Ordinances.
- C. **Boiler Repair Contractor.** No person, firm, limited liability company, or corporation shall be registered as a Boiler Repair Contractor unless he shall have furnished proof of the issuance of a current State Department of Labor Boiler Repair Contractor's License issued under the provisions of the *Oklahoma Boiler and Pressure Vessel Safety Act*, 40 O.S.Supp.2005, §§ 141.1, *et seq.* as amended, and shall have paid the required fees as set forth in Title 49, Tulsa Revised Ordinances.

111.3 Expiration of Registration--Added. Registration of contractors shall expire on the last day of their birth month of each year. Certificates of Registration, issued without state examination, which have not been renewed thirty (30) days after expiration, shall not be renewed until the applicant possesses the state license referenced in Subsection 111.2.A of this code.

111.4 Transfer of Registration Prohibited--Added. Certificates of Registration shall be nontransferable.

111.5 Registration after Revocation--Added. No person, firm, limited liability company, or corporation shall be permitted to obtain a new registration within one (1) year from the date of revocation of any prior registration.

111.6 Identification of Service Vehicles--Added. Every contractor shall identify all service vehicles used in the contractor's business with the company name and contractor's license number. Such letters and numbers shall be not less than two (2) inches high, shall be of a contrasting color, and shall be placed on both sides of all vehicles.

111.7 Suspension or Revocation of Certificates of Registration-Added. Certificates of Registration may be suspended or revoked by the Board of Appeals as provided in Title 51, Chapter 1, Tulsa Revised Ordinances.

112.0 Exemptions--Added.

- A. The following buildings and classes of equipment shall be exempt from the provisions of this code:
1. Scientific laboratory and medical equipment and, in the case of scientific laboratory buildings, research centers and medical centers, the equipment, machinery, conduits, piping, and appliances which are furnishing services to laboratory experiments or tests; provided that this exception shall not apply to the annual or other periodic inspections nor to the erection of scientific laboratory buildings and research centers;
 2. Industrial testing equipment;
 3. Oxygen systems;
 4. All laundry and dry-cleaning process equipment except steam pressure boilers and air compressors; and
 5. The factory-assembled internal gas piping and heating systems of mobile homes and travel trailers constructed in conformance with the *Code of Federal Regulations, Manufactured Home Construction and Safety Standards*, 24 CFR Part 3280.
- B. None of the technical provisions of this code shall apply to internal systems of factory-assembled package units as have been examined and rated by an approved testing laboratory or industry standards association, listed in *ICC International Mechanical Code*, 2009 Edition, Chapter 15, "Referenced Standards," as being suitable for their intended use. Alteration of any portion of such units subsequent to the aforementioned approval shall subject the entire unit to inspections by the code official and such further alteration as he may require to secure compliance with the intent of this code. Factory-assembled "plug-in" appliances are hereby exempted from the provisions of this code. Installation of gas lights or gas grills shall require a permit and the payment of the fee specified for gas-fired appliances

to enable the inspector to check the location where installed for compliance with setback and other zoning requirements.

- C. The licensing requirements of this code shall not apply to public utilities, public service corporations, rural electric associations or municipal utilities and their subsidiaries doing work on their own facilities or during the performance of energy audits, operational inspections, minor maintenance, or minor repairs on their own equipment.
- D. Buildings and structures owned by the City of Tulsa which are located inside or outside the corporate limits of the City, shall comply with the requirements of this code.

Chapter 2 - Definitions

202.0 General Definitions--Amendatory.

In addition to the definitions contained in Section 202 of the *ICC International Mechanical Code*, 2009 Edition, the following words and terms shall, for the purposes of this title, have the meanings indicated in this Section 202.0:

Apprentice. Any person engaged in the work of installing, altering, or repairing equipment or apparatus regulated within the City of Tulsa, who is working under the direct personal supervision of a contractor or journeyman and subject to the limitations provided in this code.

Combustible Material. Materials adjacent to or in contact with heat-producing appliances, vent connectors, gas vents, chimneys, steam and hot water pipes, and warm air ducts made of or surfaced with wood, compressed paper, plant fibers, or other materials that are capable of being ignited and burned. Such material shall be considered combustible even though flame proofed, fire-retardant treated, or plastered.

Commercial Cooking Appliance. Appliances used in a commercial food service establishment for heating or cooking food and which produce grease vapors, steam, fumes, smoke or odors that are required to be removed through a local ventilation system. Such appliances include deep fat fryers; upright broilers; griddles; broilers; steam-jacketed kettles; hot-top ranges; under-fired broilers (charbroilers); ovens; barbeques; rotisseries; and similar appliances. For the purpose of this definition, a food service establishment shall include any building or a portion thereof used for the preparation and serving of food that is not a kitchen in a single-family dwelling unit or apartment.

Installation. The initial physical placement of a system at a given location and the readying of same for use or service.

Maintenance. Wherever in this code any person is authorized to maintain any mechanical equipment, such authority shall be limited to the performance of repairs designed to avoid shut-downs. In regard to any installations incidental to maintaining such equipment in a

running condition, such installations shall be confined to the replacement of parts broken, worn or defective, of a nature contained in or upon major units, and shall not permit the operator to install units, compressors, or any major portion of such equipment, nor shall such persons be permitted to perform any work in or upon such equipment which would by reason of the extent of such repairs, in fact, constitute a reinstallation.

Mechanical Equipment and Apparatus. All types of air conditioning, including heating equipment and refrigeration equipment, including but not limited to furnaces, boilers, gas-fired appliances and piping, ventilating apparatus, incinerators, pressure vessels, and all related fittings, vents, duct work, and safety or regulating devices.

Public Occupancy. Public occupancy shall mean open to public use by license or invitation. The term shall not mean:

1. Occupancy by custodial, building maintenance, or security personnel; or
2. Occasional occupancy by employees, tenants, and their invitees after normal working hours.

Chapter 3 – General Regulations

301.12 Wind resistance. Mechanical equipment, appliances and supports that are exposed to wind shall be designed and installed to resist the wind pressures determined in accordance with the International Building Code, SMACNA HVAC Duct Construction Standards - Metal and Flexible, or other approved methods.

304.11 Guards. Guards or parapet walls shall be provided where appliances, equipment, fans (or other components that require routine service) or roof hatches are located within 10 feet (3048 mm) of a roof edge or open side of a walking surface and such edge or open side is located more than 30 inches (762 mm) above the adjacent surface or grade below. The guards or parapet walls shall extend not less than 30 inches (762 mm) beyond each end of such appliances, equipment, fans, components, and roof hatch openings; and the top of the guard or parapet wall shall be located not less than 42 inches (1067 mm) above the adjacent surface. Guards shall be constructed to prevent the passage of a 21-inch diameter (533 mm) sphere and shall comply with the loading requirements for guards as specified in the International Building Code. Guards shall also be provided where appliances, equipment, fans (or other components that require routine service) are located within 10 feet (3048 mm) of a roof hatch or unprotected skylight. Skylights shall be considered protected if the level of the lowest edge of the skylight is on a raised curb 42 inches (1067 mm) above the roof level, or if the skylight is protected by some other approved means to prevent personnel from falling through the opening.

305.5 Protection against physical damage.

305.5.1—Amendatory. Refrigerant lines installed less than four inches from roof decking shall be protected from physical damage.

504.6.1 Clothes Dryer Exhaust Material.

Exception. In one- and two-family construction, polyvinyl chloride (PVC) pipe conforming to *American Society for Testing and Materials International* (ASTM International or ASTM) Standards, Reference Number D1785 SCH 40 may be used when placed in concrete slabs.

507.1 General-Added. Commercial kitchen exhaust hoods shall comply with the requirements of this section. Hoods shall be Type I or II and shall be designed to capture and confine cooking vapors and residues. Commercial kitchen exhaust hood systems shall operate during the cooking operation.

Exceptions:

- A. Factory-built commercial exhaust hoods which are tested in accordance with UL 710 listed, labeled and installed in accordance with Section 304.1 shall not be required to comply with Sections 507.4, 507.7, 507.9, 507.11, 507.12, 507.13, 507.14 and 507.15.
- B. Factory-built commercial cooking recirculating systems which are tested in accordance with UL 710B, listed, labeled, and installed in accordance with Section 304.1 shall not be required to comply with Sections 507.4, 507.5, 507.7, 507.12, 507.13, 507.14, and 507.15. Spaces in which such systems are located shall be considered to be kitchens and shall be ventilated in accordance with Table 403.3. For the purpose of determining the floor area required to be ventilated, each individual appliance shall be considered as occupying not less than 100 square feet (9.3 meters squared).
- C. Net exhaust volumes for hoods shall be permitted to be reduced during part-load cooking conditions, where engineered or listed multispeed or variable-speed controls automatically operate the exhaust system to maintain capture and removal of cooking effluents as required by this section. Reduced volumes shall not be below that required to maintain capture and removal of effluents from the idle cooking appliances that are operating in standby mode.

507.2.1 Type I hoods-Added. Type I hoods shall be installed where cooking appliances produce grease or smoke. Type I hoods shall be installed over medium-duty, heavy-duty, and extra-heavy-duty cooking appliances. Type I hoods shall be installed over light-duty cooking appliances that produce grease or smoke. Exception: Type II hoods shall be permitted to be installed over medium-duty cooking appliances, ranges and ovens that the code official has determined will not produce appreciable amounts of grease and/or smoke. Where cooking appliances, ranges and/or ovens have been approved by the code official for installation under a Type II hood, a sign shall be placed on the wall in close proximity to the hood that reads, "Absolutely No Frying or Grease-Type Cooking Permitted."

Section 603.4 Metallic ducts-Added. The exception to this section has been stricken.

Section 604.1 General. Metal and Flexible- Added. Duct insulation shall conform to the requirements of Sections 604.2 through 604.13, the International Energy Conservation Code and SMACNA HVAC Duct Construction Standards – Metal and Flexible.

Section 605.2.1 Air Filter Location--Added. Access to filters shall be provided. Filters shall be installed in a location so as to be readily removable.

801.16.2 Chimney and Vent Opening Location--Added. Chimney or vent termination openings shall be located a minimum of five (5) feet (1524 millimeters) from any lot line unless otherwise approved.

1003.2.1 Piping Standards--Amendatory. Air compressor pipe shall be steel and conform to *American Society for Testing and Materials International* (ASTM International or ASTM) Standards, Reference Numbers A53, ASTM A106, and ASTM A120 or Type L hard copper conforming to ASTM 75 listed in *ICC International Mechanical Code*, 2009 Edition, Chapter 15, entitled "Referenced Standards."

1004.1 Boiler Standards--Amendatory. Boilers and their control systems shall be designed and constructed in accordance with the requirements of one or more of the following standards: *American National Standards Institute* (ANSI) Standard, Reference Number Z21.13, *American Society of Mechanical Engineers* (ASME) Boiler and Pressure Vessel Code Sections 1, 4, 6, 7, 8 (Divisions 1 and 2), and 9, ASME CSD-1, the *Oklahoma Boiler and Pressure Vessel Safety Act*, 1982, *National Fire Protection Association* (NFPA) Standard Reference Number 8501, NFPA 8502, NFPA 8504, *Underwriters Laboratories* (UL) 726, UL 795 or UL 834, as amended.

1012.0 Periodic Inspection--Added. All boilers and unfired pressure vessels subject to the provisions of this code shall be inspected at least once annually by the code official or by an agency acceptable to the code official.

Exception. Heating boilers or pressure vessels which are located in one- and two-family dwelling units.

Chapter 15 Referenced Standards--Amendatory. *ICC International Mechanical Code*, 2009 Edition, Chapter 15, entitled "Referenced Standards" is amended to delete International Code Council (ICC) Standard Reference Number EC-2009 and to add *National Fire Protection Association* (NFPA) Standard Reference Number 70, as amended, in substitution of EC-2009."

Ord. Nos. 18095, 18887, 20572

Section 2. That Title 59, Tulsa Revised Ordinances, Chapter 2 be and the same is hereby amended to read as follows:

“CHAPTER 2. STATIONARY ENGINEERS

Section 200. Examination and licensing of stationary engineers and process steam boiler Operators.

Section 201. Mechanical equipment requiring licensed operators.

Section 200. Examination and licensing of stationary engineers and process steam boiler operators

A. Examination of Stationary Engineers; Qualifications. The Code Official shall approve all eligible Stationary Engineer and Process Steam Boiler Operator applicants. Examinations shall be appropriate to the license sought and shall reflect the knowledge and experience required to perform the work of the particular class. The examination for Process Steam Boiler Operators shall be limited to questions on the safe operating practices of process steam boilers.

B. Examination Fees. Examinations for each class of stationary engineer license shall be prepared by an independent testing agency.

C. Experience. Applicants for the following classes of licenses shall have the minimum experience designated for such class of license as follows:

1. First Class Engineer's License. All applicants for a First Class Engineer's License shall:

a. Have at least three (3) years' experience in the operation or assisting in the operation of boilers exceeding 15 psig steam or 160 psig water pressure or 250° water temperature and refrigeration or air conditioning units exceeding 150 tons; or

b. Be a currently licensed Mechanical Journeyman who has worked for a Mechanical Contractor for at least three (3) consecutive years installing the equipment described in Subsection 200.C.1.a., above; or

c. Have a First Class Limited License and have served three (3) or more years operating or assisting in the operation of the equipment described in Subsection 200.C.1.a., above.

2. First Class Limited Engineer's License. All applicants for a First Class Limited Engineer's License shall have at least one (1) year's experience in the operation or assisting in the operation of low or high pressure boilers and at least three (3) years' experience in the operation or assisting in the operation of refrigeration or air conditioning units exceeding 150 tons.

3. **Third Class Engineer's License.** All applicants for a Third Class Engineer's License shall have at least one (1) year's experience in the operation or assisting in the operation of low or high pressure boilers.
4. **Steam Special Engineer's License.** All applicants for a Steam Special Engineer's License shall have a least three (3) years' experience in the operation or assisting in the operation of boilers exceeding 15 psig steam or 160 psig water pressure.
5. **Refrigeration Special Engineer's License.** All applicants for a Refrigeration Special Engineer's License shall have at least three (3) years' experience in the operation or assisting in the operation of refrigeration or air conditioning units exceeding 150 tons.
6. **Process Steam Boiler Operator's License.** All applicants for a Process Steam Boiler Operator's License shall pass a written examination, and:
 - a. Have a minimum of three (3) months' experience in the operation or assisting in the operation of Process Steam Boilers of over ten (10) horsepower (334,750 BTU/Hour) input; or
 - b. Have successfully completed a short course approved by the Code Official on the safe and proper operating practices for high pressure steam process application boilers.

When the operating experience of applicants for the Process Steam Boiler Operator's license is limited to process steam boilers of fifty (50) horsepower (1,673,750 BTU/Hour) input or less and subject to an operating pressure of 150 psig or less, that experience can only be used toward the experience required for a Third Class license. All experience required for any of the aforementioned classes of license defined in this section and so claimed by an applicant for such class of license shall be proven by a notarized certification from former and present employers concerning the examinee's experience and qualifications. Only experience on the equipment itemized in Section 201 of this code shall be considered.

- D. **Retesting.** An applicant shall be permitted to retest in accordance with the following:

First Failure:	Two (2) months to retest.
All Failures thereafter:	Four (4) months to retest.

Applicant shall be limited to testing three (3) times per calendar year.

- E. **Issuance of Certificates of Competency.** Stationary Engineer applicants and Process Steam Boiler Operator applicants receiving a grade of seventy-five percent (75%) or higher on a required written examination shall be issued a Certificate of Competency. All Certificates of Competency shall display the date of passage of the examination or, if issued without examination as provided in this chapter, the basis for the applicant's qualification. Such certificates shall be consecutively numbered and the Office of Mechanical Inspection shall keep a record of all certificates issued. Should a certificate

be lost or destroyed, a duplicate may be obtained under a new registration number by submitting a signed, written request and payment of a replacement fee in accordance with the fee schedule in Title 49, Tulsa Revised Ordinances. Once replaced, the certificate which was lost or destroyed and its registration number shall be invalid.

- F. **Issuance and Renewal of Stationary Engineer and Process Steam Boiler Operator Licenses.** Every holder of a current Stationary Engineer or Process Steam Boiler Operator Certificate of Competency shall be issued an annual license appropriate to such certificate by the Code Official upon payment of a license fee in accordance with the fee schedule in Title 49, Tulsa Revised Ordinances.
- G. **Annual License Registration.** All Stationary Engineer and Process Steam Boiler Operator licenses shall expire on December 31 and shall be renewed annually. Failure to renew within thirty (30) days of expiration shall subject the former licensee to a penalty fee in accordance with the fee schedule in Title 49, Tulsa Revised Ordinances, per month, until renewal. When any operator's license has been expired for one (1) year or more, the license holder shall retest in accordance with section 200. E.
- H. **Stationary Engineer License and Process Steam Boiler Operator Classifications Established and Work for Which Qualified Defined.** Stationary Engineer and Process Steam Boiler Operator licenses shall be issued to qualified applicants divided into the following categories:
1. **First Class Engineer's License.** Any person holding a First Class Engineer's License shall be qualified to operate and maintain all steam generating boilers, pressure vessels, super heaters, refrigeration plants, and air conditioning units of unlimited tonnage, horsepower, and pressures, and all of their related pumps and apparatus.
 2. **First Class Limited Engineer's License.** Any person holding a First Class Limited License shall be qualified to operate and maintain all boilers with an operating temperature of less than 250° F. and subject to a pressure not exceeding 15 psig steam or 160 psig water and refrigeration and air conditioning units of unlimited tonnage including all related pumps and apparatus.
 3. **Third Class Engineer's License.** Any person holding a Third Class Engineer's License shall be qualified to operate and maintain heating boilers with an operating temperature of less than 250° F. and subject to a pressure not to exceed 15 psig steam or 160 psig water and all related pumps and apparatus.
 4. **Steam Special License.** Any person holding a Steam Special License may operate and maintain all boilers, engines, pumps, and related apparatus of unlimited size and pressure.
 5. **Refrigeration Special License.** Any person holding a Refrigeration Special License may operate and maintain refrigeration plants and units of unlimited tonnage or horsepower.

6. **Process Steam Boiler Operator.** Any person holding a Process Steam Boiler Operator license may operate high pressure process steam boilers of fifty (50) horsepower (1,673,750 BTU/Hour) input or less and subject to an operating pressure not to exceed 150 psig. Seventy-five percent (75%) of the total boiler capacity must be used for the process system operation.

- I. **Display of Certificates and Licenses Required.** Licensees shall keep Certificates of Competency and current licenses displayed at all times in the place where they are employed so that same may be readily seen. In case a copy should be used, it must show the address where the original is displayed.
- J. **Revocation and Suspension of Stationary Engineer and Process Steam Boiler Operator Licenses and Certificates of Competency.** Subject to the procedures governing the Board of Appeals as established by Title 51, Chapter 1, Tulsa Revised Ordinances, Stationary Engineer and Process Steam Boiler Operator Certificates of Competency or Stationary Engineer and Process Steam Boiler Operator Licenses may be denied, revoked, suspended, or canceled by the Board for incompetence, gross carelessness in the maintenance or operation of equipment, falsification of a registration document or intoxication while on duty or as otherwise authorized pursuant to Title 51, Chapter 1, Tulsa Revised Ordinances.
- K. **Appeals to City Council.** Any person aggrieved by any decision of the Board shall have a right of appeal to the City Council in accordance with the procedures in Title 51, Chapter 1, Tulsa Revised Ordinances.

Ord. Nos. 18095, 18172, 18438, 18887, 20572

Section 201. Mechanical equipment requiring licensed operators

- A. **Responsibility of Owner and Operator.** It shall be unlawful, a misdemeanor offense, and a violation of this code for any person, firm, limited liability company, corporation, or other legal entity owning or otherwise having control of the following mechanical equipment, to operate or to permit such equipment to be operated by any person who is not a properly licensed Stationary Engineer holding a current license and Certificate of Competency appropriate to the type, size, and pressure of such equipment. It shall further be unlawful and a misdemeanor offense for any person to operate the following equipment unless such person is duly licensed to operate such equipment:
 - 1. All steam boilers of ten (10) horsepower or more, subject to an operating pressure of more than fifteen (15) pounds per square inch;
 - 2. All steam boilers subject to an operating pressure of fifteen (15) pounds per square inch or less and all hot water boilers with an operating temperature exceeding 210° F., or having a capacity of over 3,000,000 BTU input, or aggregate total if manifolded together and located in a single confined space;

3. Any refrigeration and air conditioning units having a capacity of 150 tons, or 150 horsepower, or more. The provisions of this paragraph do not apply to units located outside of an occupied structure; or
4. All refrigeration and air conditioning plants of twenty (20) horsepower, or twenty (20) tons, whichever is greater, using Group 2 and 3 refrigerants as listed in Section 1104.1 of this code. The horsepower and tonnage of all such refrigeration and air conditioning plants shall be determined by aggregating all units greater than ten (10) horsepower or tons.

B. Periods of Duty Established for Stationary Engineers and Process Steam Boiler Operator Operating Mechanical Equipment Requiring Licensed Operators. A licensed operator shall personally remain on the premises, except as noted, where any of the mechanical equipment listed in Subsection 201.A of this chapter is in operation in accordance with the periods of duty specified in this section. Periods of operator duty shall be determined by the use and occupancy classification of the building or structure as defined in the *ICC International Building Code 2009* Edition, as amended, within which such equipment is located, as follows:

- | | |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Use Group A, Assembly Buildings | At all times during public occupancy while regulated equipment is in operation; |
| 2. Use Group B, Business Buildings | At all times during public occupancy while regulated equipment is in operation; |
| 3. Use Group E, Educational Buildings | At all times during public occupancy while regulated equipment is in operation; |
| 4. Use Group F, Industrial Buildings | During each shift of work of the occupying industry; |
| | EXCEPTION: In facilities when the mechanical equipment is being operated by a Process Steam Boiler Operator, the operator shall be on the premises in accordance with Subsection 201.E. |
| 5. Use Group H, High Hazard | At all times while regulated equipment is in operation; |
| 6. Use Group I, Institutional Buildings | At all times while regulated equipment is in operation; |
| 7. Use Group M, Mercantile Buildings | During public occupancy while regulated equipment is in operation; |