

REQUEST FOR ACTION: ORDINANCE

Version: 03/03/2012

AGENDA FOR: MAYOR COUNCIL AUTHORITY: DATE: September 6, 2012
Tulsa City Clerk's Office: 596-7513 or 596-7514

FOR INFORMATION CONTACT:

DEPARTMENT: PLANNING & ECONOMIC DEV CONTACT NAME: Yuen Ho, Building Official
ADDRESS: 175 East 2nd St, Suite 450 TELEPHONE: (918) 596-1865

ORDINANCE # 22759

SUBJECT: ICC International Fire Code, 2009 Edition

ORDINANCE TYPE: AMENDING PREVIOUS ORDINANCE BA or CT #: _____
AMENDMENT OF ORD#: _____ TRO TITLE: _____ TRO SUBTITLE: _____ PLANNING DISTRICT: _____
ZONING #: _____ SSID: _____ PUD #: _____ PROP/NON-PROP: _____ COUNCIL DISTRICT: _____

SUMMARY:

In order to comply with state legislation recently enacted which requires all municipalities to adopt all or germane portions of the ICC International Fire Code, 2009 Edition, by November 1, 2012, the City's existing code has been amended by the attached proposed ordinance to achieve necessary compliance. The new law's text has been adopted as shown herein except for appropriate amendments which are allowed by state law touching upon specific local applications.

Approved By
City Council On
SEP 20 2012

APPROVED BY MAYOR
CITY OF TULSA
SEP 24 2012

BUDGET: FINANCE DIRECTOR APPROVAL:

FUNDING SOURCE: N/A

REQUEST FOR ACTION: All department items requiring Council approval must be submitted through the Mayor's Office.

We request that the Mayor approve this RFA and forward this new ordinance to the Council as soon as possible in order to meet the compliance deadline of November 1, 2012. Please return a copy of the approved RFA to Bob Edmiston in Legal as soon as completed.

DEPARTMENT HEAD APPROVAL: Yuen Ho DATE: 9/6/12
ASST CITY ATTORNEY APPROVAL: Ramon R. Edmiston 9-6-12
BOARD APPROVAL: _____
MAYORAL APPROVAL: Jim Turnley PRO-TE 9-10-12
OTHER: _____

FOR CITY COUNCIL OFFICE USE ONLY: 12-700-1 DATE RECEIVED: 9-11-12
COMMITTEE: PW COMMITTEE DATE(S): 9-13-12 FIRST AGENDA DATE: 9-13-12
HEARING DATE: _____ SECOND AGENDA DATE: 9-20-12 APPROVED: _____

For City Clerk's Office Use Only (Agenda Date: MMDDYYYY; Sec #; Dept #, Item #, Sub-Item #, Status: S=Synopsis):

9 - 24 - 2012 2 18 4

(Published in the Tulsa Daily Commerce
and Legal News,

SEPTEMBER 28, 2012

Ordinance No. 22759

AN ORDINANCE AMENDING TITLE 14, TULSA REVISED ORDINANCES, THE FIRE PREVENTION CODE OF THE CITY OF TULSA, OKLAHOMA; ADOPTING THE INTERNATIONAL CODE COUNCIL (ICC) INTERNATIONAL FIRE CODE, 2009 EDITION, INCLUDING APPENDICES "B" THROUGH "J," AS AMENDED; DESIGNATING THE FIRE MARSHAL IN THE CITY OF TULSA AS THE FIRE CODE OFFICIAL AS USED IN THE INTERNATIONAL FIRE CODE, 2009 EDITION, DEFINING FIRE CODE OFFICIAL'S DUTIES; ESTABLISHING REGULATIONS GOVERNING PRECAUTIONS AGAINST FIRES; REGULATING THE INSTALLATION, OPERATION, MAINTENANCE AND TESTING OF FIRE PROTECTION SYSTEMS; PROVIDING FOR THE MAINTENANCE AND USE OF MEANS OF EGRESS, PROVIDING REGULATIONS FOR THE USE AND MAINTENANCE OF EQUIPMENT, PROCESSES AND OCCUPANCIES; PROVIDING REGULATIONS FOR MATERIALS HANDLING; PROVIDING PENALTIES FOR VIOLATIONS OF TITLE 14; PROVIDING FOR THE ISSUANCE OF PERMITS, COLLECTION OF FEES, AND THE MAKING OF INSPECTIONS; PROVIDING FOR ISSUANCE AND REVOCATION OR SUSPENSION OF LICENSES AND PERMITS; REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT HEREWITH; PROVIDING FOR EXISTING RIGHTS AND REMEDIES; PROVIDING THAT THE OPERATIVE DATE OF THIS ORDINANCE SHALL BE NOVEMBER 1, 2012; PROVIDING FOR SEVERABILITY; AND DECLARING AN EMERGENCY.

BE IT ORDAINED BY THE CITY OF TULSA:

Section 1. That Title 14, Tulsa Revised Ordinances, Chapter 1 be and the same is hereby amended to read as follows:

"TITLE 14 FIRE PREVENTION CODE

Chapter 1. ICC International Fire Code, 2009 Edition, adopted

CHAPTER 1. ICC INTERNATIONAL FIRE CODE, 2009 EDITION, ADOPTED

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

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

Section 100. Adoption of the *ICC International Fire 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 Fire Code, 2009* Edition, as published by the International Code Council, Inc., hereinafter the "Fire Code" or the "Fire Prevention Code" is hereby adopted for the purpose of safeguarding life and property from fire and explosion hazards by regulating the storage, handling and use of hazardous substances, materials and devices and conditions related to the occupancy of buildings and premises in the City of Tulsa, as herein provided. Each and all of the regulations, provisions, penalties, terms and conditions of the *ICC International Fire Code, 2009* Edition, are hereby referred to, adopted and made apart hereof as if fully setout in this chapter with the amendments thereto, prescribed in Section 101 of this chapter.

Ord. No. 20044, 20824, 21805

Section 101. Amendments to the *ICC International Fire Code, 2009*

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

101.1 Title-Amendatory. These regulations shall be known and may be cited as the "Fire Prevention Code of the City of Tulsa," hereinafter referred to as the "Fire Code" the "Fire Prevention Code" or "this code."

102.6.1 Reference Revisions to this Code-Added. The following revisions to referenced codes and standards contained in *ICC International Fire Code, 2009* Edition are adopted:

All electrical work shall comply with the Electrical Code of the City of Tulsa, Title 52, Tulsa Revised Ordinances, and all references in this code to the "*ICC Electrical Code*" or "Electrical Code" shall be replaced with the *National Electrical Code (NEC), National Fire Protection Association (NFPA) Standard Reference Number 70 (NFPA 70)* or the Electrical Code of the City of Tulsa, Title 52, Tulsa Revised Ordinances, as amended.

103.1 Enforcement Agency-Amendatory. The term "department of fire prevention," as used within the *ICC International Fire Code* shall mean the Office of the Fire Marshal of the Fire Department of the City of Tulsa. The "*fire code official*" as used in this code shall be the Fire Marshal. It shall be the duty and responsibility of the Fire Marshal to implement, administer and enforce the provisions of this code.

103.2.1 Appointment-Amendatory. The Office of the Fire Marshal shall be appointed in the manner specified in Article XI of the Charter of the City of Tulsa.

103.2.2 Peace Officer-Added. The *fire code official* and the official's designated assistants may be deemed peace officers with full power to execute legal process,

administer oaths, subpoena witnesses and make arrests within the City of Tulsa, to the same extent that police officers of the City of Tulsa are authorized to do so under the ordinances of the City and the laws of the state of Oklahoma.

104.12 Fires and Explosions, Entering Premises-Added. The *fire code official* shall have the authority, when necessary in the performance of duties imposed by this code, to enter any building, or any connected premises, where any fire or explosion has recently occurred, to examine it. The *fire code official* may also enter other buildings and premises adjoining or in close proximity to investigate any such fire or explosion, provided that all entries shall be conducted consistent with the constitution and laws of the state of Oklahoma and the United States.

104.13 Suspicious Fires or Explosions-Added. The *fire code official*, in the course of any investigation of a fire or explosion, may cause to be taken the sworn testimony of any person cognizant of any relevant facts and have it reduced to writing. If the *fire code official* shall determine that there is probable cause to charge any person with the crime of arson, attempted arson, or of causing or attempting to cause any unlawful fire, or should *fire code official* have probable cause to believe that any person has committed a criminal offense in connection with any fire, then it shall be the *fire code official's* duty to cause such person to be arrested and charged with any such offenses. The *fire code official* shall furnish to the prosecuting authority all evidence, facts, and circumstances, together with the identity of all material witnesses and any sworn testimony, which was discovered during the investigation.

105.6 Required Operational Permits-Amendatory. The *fire code official* is authorized to issue operational permits for the operations set forth in Sections 105.6.1 through 105.6.51 of this code. For each operational permit issued pursuant to Sections 105.6.1 through 105.6.51 of this code, the permit fee(s) shall be as provided in Title 49, Tulsa Revised Ordinances, Chapter 14.

105.6.16.1 Flammable and Combustible Liquids-Added. An operational permit shall be required for the removal or closure of any flammable or combustible liquid, above or below ground storage tank.

105.6.30 Open Burning-Amendatory. It shall be unlawful and a misdemeanor offense for any person to kindle or maintain an open fire or a fire on any public street, alley, road, or other public or private ground within the corporate limits of the City of Tulsa, without first having procured an operational permit from the *fire code official*. Instructions and stipulations prescribed in the permit shall be strictly adhered to.

Exception: *Recreational fires.*

105.6.34.1 Places of Assembly and Occupant Load Sign-Added. An approved Occupant Load sign shall be required to operate a place of assembly.

105.6.47 Security Gates-Added. An operational permit shall be required for all security gates installed across a fire apparatus access road and regulated by Section 503.6 of this code.

105.6.48 Key Boxes Where Immediate Access Necessary-Added. An operational permit shall be required for each key box required and regulated by Section 506 and Section 607 of this code.

105.6.49 Fire Protection System Installation Licenses-Added. For each firm or individual fire protection system license applied for pursuant to Section 901.1.1 of this code, the applicant shall pay all required fees provided in Title 49, Tulsa Revised Ordinances, Chapter 14.

105.6.50 State or Federal License Inspection-Added. Any inspection performed by the *fire code official* pursuant to state or federal licensing requirements shall be subject to the payment of all applicable fees provided in Title 49, Tulsa Revised Ordinances, Chapter 14.

105.6.51 Training for Employees in Private Enterprises-Added. All fire safety and fire protection training provided by the Tulsa Fire Department to employees working for a private business entity shall be subject to a fee assessed as provided in Title 49, Tulsa Revised Ordinances, Chapter 14.

105.7 Required Construction Permits-Amendatory. The *fire code official* is authorized to issue construction permits for work as set forth in Sections 105.7.1 through 105.7.1 of this code. For each construction permit issued pursuant to Sections 105.7.1 through 105.7.1 of this code, the permit fee(s) shall be as provided in Title 49, Tulsa Revised Ordinances, Chapter 14.

105.7.1 Automatic Fire-extinguishing Systems-Amendatory. A construction permit is required for installation of or modification to an automatic fire-extinguishing system. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.

Exception: Maintenance requiring the replacement of over 20 heads will require a construction permit.

105.7.3 Fire Alarm and Detection Systems and Related Equipment-Amendatory. A construction permit shall be required for the installation of or modification to fire alarm and detection systems and related equipment. Maintenance performed in accordance with this code shall not be considered a modification and shall not require a permit.

Exception: Maintenance requiring the replacement of over 20 fire alarm devices or the replacement of the fire alarm panel shall require a construction permit.

106.2.1 Self-Inspection-Added. Any person, firm, corporation or limited liability company, which has been determined by the Fire Marshal to have a statistically lower risk of suffering a fire hazard and is designated to self-inspect their facilities shall complete a self-inspection, make all necessary corrections and notify the Fire Marshal's office within 30 days of the date postmarked on the envelope mailed to the self-inspection recipient. Any fees related to this self-inspection or the failure to conduct a self-inspection shall be paid as provided in Title 49, Tulsa Revised Ordinances, Chapter 14.

107.6 Overcrowding Unlawful and an Offense-Amendatory.

1. It shall be unlawful and a misdemeanor offense for any owner, occupant, or the owner or occupant's managing agent or employee to allow the overcrowding or admittance of any person beyond the approved occupant capacity of a building or a portion thereof. The *fire code official*, upon finding any overcrowding conditions or obstructions in aisles, passageways or other means of egress, or upon finding any condition, which constitutes a life safety hazard, shall be authorized to cause the event or occupancy to cease and desist until such condition or obstruction is corrected.
2. Any person, firm, corporation or limited liability company convicted of a violation of this code shall be guilty of a misdemeanor offense and shall be punished by a fine of not more than \$1,200.00, excluding costs, fees and assessments, or by imprisonment for a period not exceeding 90 days, or by both such fine and imprisonment. Each person present in the building or a portion thereof in excess of the posted or genuine calculated maximum *occupant load* shall be deemed a separate offense.

108.1 Appeals to the Board of Appeals-Amendatory. In order to hear and decide appeals of orders, decisions or determinations made by the *fire code official* relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The board of appeals as used in this code shall be the Building, Housing and Fire Prevention Appeals Board as created and regulated in the Building Code of the City of Tulsa, Title 51, Tulsa Revised Ordinances, Sections 113 through 113.1.10. The *fire code official* shall be an *ex officio* member of the Board but shall have no vote on any matter before it.

108.3 Qualifications-Deleted. Section 108.3 of the *ICC International Fire Code* is intentionally deleted from this code.

108.4 Appeals to the Building, Housing and Fire Prevention Appeals Board-Added. The Building, Housing and Fire Prevention Appeals Board shall hear all appeals from decisions of the *fire code official* and shall interpret the provisions of this code whenever a dispute arises as to the meaning or intent of any provision. Appeals to the Board shall be governed by Title 51, Tulsa Revised Ordinances, Sections 113 through 113.1.10 of the Building Code, provided that for any appeal filed regarding the application or

interpretation of this code, wherever the term "code official" is used, it shall mean the "fire code official" as used in this code.

109.2.2.1 Failure to Comply with Notice of Violation-Added. It shall be unlawful and a misdemeanor offense for any owner, operator, occupant, or other person responsible for the condition or violation to fail to comply with any notice of violation. Any person, firm" corporation or limited liability company convicted of a violation of this Section 109.2.2.1 of this code shall be guilty of a misdemeanor offense and shall be punished by a fine of not more than \$500.00, excluding costs, fees and assessments, or by imprisonment for a period not exceeding 90 days, or by both such fine and imprisonment. Each day, or portion thereof, during which the failure to comply with the notice of violation is allowed to continue shall be deemed a separate offense.

109.3 Violation of Fire Code Penalty-Amendatory. It shall be unlawful and a misdemeanor offense for any person, firm, corporation or limited liability company to violate any of the provisions of this code, fail to comply with any of the requirements thereof, or to erect, install, repair, alter or do any work in violation of approved construction documents or the directive of the fire code official, or of a permit or certificate issued under provisions of this code. Any person, firm, corporation or limited liability company convicted of a violation of this code shall be guilty of a misdemeanor offense and shall be punished by a fine of not more than \$500.00, excluding costs, fees and assessments, or by imprisonment for a period not exceeding 90, or by both such fine and imprisonment. Each day, or portion thereof, during which a violation is committed, continued or permitted shall be deemed a separate offense.

111.4 Failure to Comply-Amendatory. It shall be unlawful and a misdemeanor offense for any person, firm, corporation or limited liability company to continue any work after having been served with a stop work order, except such work as .that person is directed to perform to remove a violation or unsafe condition. Any person, firm, corporation or limited liability company convicted of a violation of this section shall be guilty of a misdemeanor offense and shall be punished by a fine of not more than \$500.00, excluding costs, fees and assessments, or by imprisonment for a period not exceeding 90 days, or by both such fine and imprisonment. Each day, or portion thereof, during which a violation is committed, continued or permitted shall be deemed a separate offense.

202 General Definitions

R-1-Amendatory. Residential occupancies containing sleeping units where the occupants are primarily transient in nature including:

Boarding houses (transient)

Hotels (transient)

Motels (transient)

Congregate living facilities (transient) with 10 or fewer occupants are permitted to comply with the construction requirements for Group R-3, except as otherwise provided for in this code, or shall comply with the *International*

Residential Code, 2009 Edition, provided the building is protected by an automatic sprinkler system installed in accordance with Section 903.2.8.

R-2-Amendatory. Residential occupancies containing sleeping units or more than two dwelling units where the occupants are primarily permanent in nature, including:

- Apartment houses
- Boarding houses (non-transient)
- Convents
- Dormitories
- Fraternities and sororities
- Hotels (non-transient)
- Live/Work units
- Monasteries
- Motels (non-transient)
- Vacation timeshare

Congregate living facilities with 16 or fewer occupants are permitted to comply with the construction requirements for Group R-3, except as otherwise provided for in this code, or shall comply with the *International Residential Code, 2009 Edition, provided the building is protected by an automatic sprinkler system installed in accordance with Section 903.2.8.*

308.3.1 Outdoor Cooking and Open Flame Devices-Amendatory. It shall be unlawful and a misdemeanor offense for any person to operate any charcoal, electric or gas grill, or any other electric or open flame device, on combustible balconies, or within ten (10) feet of combustible construction.

Exceptions:

1. One- and two-family dwellings.
2. Where buildings, balconies and decks are protected by an automatic sprinkler system.
3. LP-gas cooking devices having LP-gas container with a water capacity not greater than 2 ½ pounds [nominal 1 pound (0.454 kg) LP-gas capacity].

503.6 Security Gates-Amendatory. The installation of security gates across a fire apparatus access road shall be approved by the *fire code official*. Where security gates are installed, they shall have an approved means of emergency operation. The security gates and the emergency operation shall be maintained operational at all times.

508.1.3 Size-Amendatory. The *fire command center* shall be a minimum of 200 square feet (19 m²) in area with a minimum dimension of 10 feet (3048 mm).

Exception: When approved by the fire code official the fire command center can be reduced in size to not less than a minimum of 96 square feet (9 m²) with a minimum dimension of 8 feet (2438 mm).

508.4 Water Supply Test-Amendatory. The Public Works Department, Distribution Systems Section shall be notified prior to the water supply test. Water supply tests shall be witnessed by a representative of the Public Works Department; Distribution Systems Section or approved documentation of the test shall be provided to the fire code official prior to final approval of the water supply system.

508.5.1.1 Fire Hydrant Installation-Added. Fire hydrants shall be installed according to specifications required by City of Tulsa Public Works Department.

508.5.1.2 Fire Hydrant Color-Added. All fire hydrants on the public water distribution system shall be federal yellow in color. All other fire hydrants shall be red in color.

604.5 Emergency Lighting Equipment-Added. Emergency lighting shall be inspected and tested in accordance with Sections 604.5.1 through 604.5.2.1

604.5.1 Activation Test-Added. An activation test of emergency lighting equipment shall be completed monthly. The activation test shall ensure the emergency lighting activates automatically upon normal electrical disconnect and stays sufficiently illuminated for a minimum of 30 seconds.

604.5.1.1 Activation Test Record-Added. Records shall be maintained on the premises for a minimum of three years and submitted to the *fire code official* upon request. The record shall include the location of the emergency lighting tested, whether the unit passed or failed, the date of the test, and the person completing the test.

604.5.2 Power Test-Added. For battery powered emergency lighting, a power test of the emergency lighting equipment shall be completed annually. The power test shall operate the emergency lighting for a minimum of 90 minutes and shall remain sufficiently illuminated for the duration of the test.

604.5.2.1 Power Test Record-Added. Records shall be maintained on the premises for a minimum of three years and submitted to the *fire code official* upon request. The record shall include the location of the emergency lighting tested, whether the unit passed or failed, the date of the test, and the person completing the test.

604.6 Supervision of Maintenance and Testing-Amendatory. Routine maintenance, inspection and operational testing shall be overseen by a properly instructed individual.

607.4.1 Fire-Fighter Service Keys-Added. Fire-fighter service keys shall be kept in a lock box at an approved location in the elevator lobby, not more than 10 feet from any elevator and shall be available for immediate use by firefighting and rescue personnel.

Keys shall be clearly marked as elevator keys and shall be identified for the specific elevator for which they work. Instructions for the operation of the elevator(s) shall be type-set on a plastic encased card and kept with the elevator keys.

Exception: Fire-fighter service keys shall be kept in a lock box at an approved location on the exterior and not more than 10 feet from the main entrance to a building provided that prominently marked keys or access codes to the building are also provided.

607.5 Referenced Standard-Added. All existing elevators and escalators shall conform to *American Society of Mechanical Engineers (ASME) Standards*, Reference Numbers A17.1, A17.3, and *International Code Council, Inc. (ICC) Standards* Reference Number A117.1. Altered elements of existing elevators shall comply with ASME A17.1 and ICC A117.1. Such elements shall also be altered in elevators programmed to respond to the same hall call control as the altered elevator.

Exceptions:

1. ASME A17.1, Section 8.6.5.8 Safety Bulkhead, Section 8.6.8.3.3. The escalator step skirt performance Section 8.7.2.27.5(e) Car over speed protection and unintended movement protection.
2. ASME A17.3, Section 1.5 Alterations/Maintenance, and Inspections and Test.

607.6 Elevator Maintenance-Added. In buildings equipped with passenger elevators, at least one elevator shall be maintained in operation at all times the building is occupied.

Exception: Buildings equipped with only one (1) elevator shall be permitted to have the elevator temporarily out of service for testing or servicing.

803.5.1 Textile Wall Coverings - Amendatory. Textile wall coverings shall comply with one of the following:

1. The coverings shall have a Class A flame spread index in accordance with either ASME E 84 or UL 723 and be protected by automatic sprinklers installed in accordance with Section 903.3.1.1 or 903.3.1.2.
2. The covering shall meet the criteria of Section 903.5.1.1 or 803.5.1.2 when tested in the manner intended for use in accordance with NFPA 265 using the product-mounting system (including adhesive) of actual use, or
3. The covering shall meet the criteria of Section 803.1.2.1 when tested in accordance with NFPA 286 using the product-mounting system (including adhesive) of actual use.

901.3.1 Oklahoma State Board of Health; Alarm Industry Act Adopted and Incorporated by Reference-Added. The Oklahoma State Board of Health; Alarm Industry Act, Title 59 O.S. Section 1800.1 *et seq.* as amended is hereby adopted by reference and incorporated into this code as if set out at-length here, save and except any portions which may be added, deleted, or amended in this title.

901.3.2 Oklahoma State Board of Health; Fire Extinguisher Industry Act Adopted and Incorporated by Reference-Added. The Oklahoma State Board of Health; Fire Extinguisher Industry Act, Title 59 O.S. Supp. 2007, Section 1820.1 *et seq.* as amended is hereby adopted by reference and incorporated into this code as if set out at-length here, save and except any portions which may be added, deleted, or amended in this title.

901.3.3 Licensing-Added. All fire protection equipment and systems governed by this code shall be installed, inspected and repaired by licensed firms and technicians in compliance with occupational licensing laws and regulations promulgated by the Oklahoma Department of Health, and published in the Oklahoma Administrative Code (OAC), Section 310 Chapters 205 and 451.

901.3.4 Fire Sprinkler Permit-Added. The code official shall not issue a permit for the installation, alteration or repair, of fire sprinkler systems, and related equipment, including standpipes, and hose connections to fire sprinkler systems, air line systems used in connection with fire sprinkler systems, and connected tanks and pumps, until the person, firm, corporation or limited liability company installing the same shall have on file with the City of Tulsa a surety bond in the amount of \$2,500.00. Such bond shall be on a form satisfactory to the City, guaranteeing payment of all obligations and guaranteeing the work to be installed in accordance with the provisions of this code. No person, firm, corporation or limited liability company shall install automatic fire sprinkler systems unless licensed as provided in Title 59 O.S. Section 1800.1 *et seq.*, as amended, and related rules and regulations.

901.4.5 Pump and Riser Room Size-Added. Fire pump and *automatic sprinkler system* riser rooms shall be designed with adequate space for all equipment necessary for the installation, as defined by the manufacturer, with sufficient working space around the stationary equipment. Clearances around equipment to elements of permanent construction, including other installed equipment and appliances, shall be sufficient to allow inspection, service, repair or replacement without removing such elements of permanent construction or disabling the function of a required fire resistance-rated assembly. Fire pump and *automatic sprinkler system* riser rooms shall be provided with a door(s) and unobstructed passageway large enough to allow removal of the largest piece of equipment.

901.6.3 Backflow Prevention Assemblies-Added. All backflow preventers installed in fire protection systems piping shall be tested in accordance with Section 12.6 of NFPA 25. The forward flow and backflow shall be tested annually. A certified backflow prevention assembly tester must perform the specific testing procedures required to verify the proper function of reduced pressure principle assemblies and double check valve

assemblies. Certification is obtained by successfully passing both a comprehensive written and a hands-on performance examination provided by either the American Backflow Prevention Association (ABPA) or the American Society of Sanitary Engineering (ASSE). The certification must be kept current by completing the requirements of the certifying organizations.

903.2.7 Group M-Amendatory. An *automatic sprinkler system* shall be provided throughout buildings containing a Group M occupancy where one of the following conditions exists:

1. A Group M *fire area* exceeds 12,000 square feet (1115 m²).
2. A Group M *fire area* is located more than three stories above grade plane.
3. The combined area of all Group M fire areas on all floors, including any mezzanines, exceeds 24,000 square feet (2230 m²).
4. A Group M occupancy is where the cumulative area used for the display and sale of upholstered furniture or mattresses exceeds 5,000 square feet (464 m²).

903.4.2 Alarms-Amendatory. *Approved* audible and visual devices shall be connected to every *automatic sprinkler system*. Such sprinkler water-flow alarm devices shall be activated by water-flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Alarm devices shall be provided on the address side of the exterior of the building above the fire department connection (FDC) or in an approved location. Where a fire alarm system is installed, actuation of the *automatic sprinkler system* shall actuate the building fire alarm system.

903.6.3 Existing A-2 Nightclubs-Added. An approved automatic sprinkler system shall be provided in existing A-2 nightclub occupancies where required in Chapter 46.

903.6.4 Existing College Dormitories-Added. An approved automatic sprinkler system shall be provided in existing college dormitories where required in Chapter 46.

903.6.5 Existing College Fraternities and Sororities-Added. An approved automatic sprinkler system shall be provided in existing college fraternities and sororities where required in Chapter 46.

903.6.6 Existing High-rise Buildings-Added. An approved automatic sprinkler system shall be provided in existing high-rise buildings where required in Chapter 46.

905.3 Required Installations-Amendatory. Standpipe systems shall be installed where required by Sections 905.3.1 through 905.3.7 and in the locations indicated in Sections 905.4, 905.5 and 905.6. Standpipe systems are allowed to be combined with automatic sprinkler systems.

Exceptions:

1. Standpipe systems are not required in Group R-3 occupancies.
2. Hose nozzles and hose storage devices may be removed with the approval or the fire code official.

906.1 Where Required-Amendatory. Portable fire extinguishers shall be installed in the following locations:

1. In new and existing Group A, B, E, F, H, I, M, R-1, R-2, R-4 and S occupancies.
Exception: In Group R-2 occupancies, portable fire extinguishers shall be required only in locations specified in items 2 through 6 where each dwelling unit is provided with portable fire extinguisher having a minimum rating of 1-A:10-B:C.
2. Within 30 feet (9144 mm) of commercial cooking equipment.
3. In areas where flammable or *combustible liquids* are stored, used or dispensed.
4. On each floor of structures under construction, except Group R-3 occupancies, in accordance with Section 1415.1.
5. Where required by the section indicated in Table 906.1.
6. Special-hazard areas, including but not limited to laboratories, computer rooms and generator rooms, where required by the *fire code official*.

907.2.10.5 Responsibility for Installation, Maintenance and Repair of Smoke Alarms-Added. Single and multi-station smoke alarms shall be installed, maintained and repaired by the designated responsible party as follows:

1. Property owners shall provide and install replacement batteries as shall be necessary to keep smoke alarms fully functional.
2. Property owners shall provide tenants with instructions regarding testing and maintenance of smoke alarms.
3. Tenants shall be responsible for testing smoke alarms within their living unit at least once a month.
4. A tenant shall notify the owner in writing of any deficiencies or repairs necessary to keep smoke alarms fully functional.
5. Property owners shall replace or repair inoperative smoke alarms within 24 hours of receipt of a written notification by a tenant.

Exception: Occupancy use Group R-2 shall conform to the following requirements:

1. Property owners shall provide and install replacement batteries as shall be necessary to keep smoke alarms fully functional.

2. Property owners shall perform necessary maintenance on all smoke alarm defects found during inspections or upon written notification by the tenant.
3. Property owners shall replace or repair an inoperative smoke alarm within 24 hours of receipt of written notification by a tenant.
4. Property owners shall provide tenants with instructions regarding testing and maintenance of smoke alarms.
5. Tenants shall be responsible for testing battery-powered smoke alarms within their living unit weekly and, if the smoke alarm is other than battery-powered smoke alarm, monthly. .,
6. Tenants shall notify the owner in writing of any deficiencies or repairs necessary to keep smoke alarms fully functional.
7. Owners shall provide a signed lease or rental agreement addendum specifying the responsibilities of the owner and the tenant regarding smoke alarm maintenance and testing. Upon request by the fire code official, an owner shall make this lease or rental addendum available for inspection.

912.1 Installation-Amendatory. Fire department connections shall be installed in accordance with the NFPA standard applicable to the system design and shall comply with Sections 912.1.1 through 912.6.

912.1.1 Fire Department Connection Inlet Size-Added. The fire department connection shall be a 5" (130 mm) Quick-Connect Connection with a 30° angle elbow for risers larger than 3" (78 mm) in size. A single 2 ½" (65 mm) NH Standard Thread inlet is permitted for risers 3" and smaller. Fire department connections on NFPA 13R systems shall be a minimum of a single 2 ½" (65 mm) NH Standard Thread inlet.

1005.1 Minimum Required Egress Width-Amendatory. The *means of egress* width shall not be less than required by this section. The total width of *means of egress* in inches (mm) shall not be less than the total *occupant load* served by the *means of egress* multiplied by 0.3 inches (7.62 mm) per occupant for stairways and by 0.2 inches (5.08 mm) per occupant for other egress components. The width shall not be less than specified elsewhere in this code. Multiple *means of egress* shall be sized such that the loss of any one *means of egress* shall not reduce the availability capacity to less than 50 percent of the required capacity. The maximum capacity required from any *story* of a building shall be maintained to the termination of the *means of egress*.

Exceptions:

1. *Means of egress* complying with Section 1028.
2. For other than H and I-2 occupancies, the capacity, in inches (mm), *means of egress stairways* shall be calculated multiplying the occupant load served by a stairway by

a *means of egress* capacity factor of 0.2 inches (5.08 mm) per occupant in buildings equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.1.1 or 903.1.2 and an emergency voice/alarm communication system in accordance with Section 907.5.2.2.

3. For other than H and I-2 occupancies, the capacity, in inches (mm), *means of egress* components other than *stairways* shall be calculated multiplying the occupant load served by such component by a *means of egress* capacity factor of 0.15 inches (3.81 mm) per occupant in buildings equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.1.1 or 903.1.2 and an emergency voice/alarm communication system in accordance with Section 907.5.2.2.

1008.1.9.3 Locks and Latches-Amendatory. Locks and latches shall be permitted to prevent the operation of doors where any of the following conditions exist:

1. Places of detention or restraint.
2. In buildings in occupancy Group A having an *occupant load* of 49 or less, Groups B, F, M and S, and in *places of religious worship*, the main exterior door or doors are permitted to be equipped with key-operated locking devices from the egress side, provided:
 - 2.1 The locking device is readily distinguishable as locked,
 - 2.2 A readily visible durable sign is posted on the egress side, on or adjacent to the door, stating: "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED." The sign shall be in letters 1 inch (25 mm) high on a contrasting background.
 - 2.3 The use of the key-operated locking device shall be revocable by the *fire code official* for due cause.
3. Where egress doors are used in pairs, *approved* automatic flush bolts shall be permitted to be used, provided that the door leaf having the automatic flush bolts has no doorknob or surface-mounted hardware.
4. Doors from individual dwelling or sleeping units of Group R occupancies having an occupant load of 10 or less are permitted to be equipped with a night latch, dead bolt or security chain, provided such devices may be opened from the inside without the use of a key or tool.
5. *Fire doors* after the minimum elevated temperature has disabled the unlatching mechanism in accordance with *listed* fire door test procedures.

1008.1.9.7 Delayed Egress Locks-Amendatory. Approved, listed, delayed egress locks shall be permitted to be installed on doors serving any occupancy except Group A, E and

H occupancies, in buildings that are equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 of this code or an approved automatic smoke or heat detection system installed in accordance with Section 907 of this code, provided that the doors unlock in accordance with items 1 through 6 below. A building occupant shall not be required to pass through more than one door equipped with a delayed egress lock before entering an exit.

1. The doors unlock upon actuation of the automatic sprinkler system or automatic fire detection system.
2. The doors unlock upon loss of power controlling the lock or lock mechanism.
3. The door locks shall have the capability of being unlocked by a signal from the fire command center.
4. The initiation of an irreversible process which will release the latch in not more than fifteen (15) seconds when a force of not more than fifteen (15) pounds (67 N) is applied for one (1) second to the release device. Initiation of the irreversible process shall activate an audible signal in the vicinity of the door. Once the door lock has been released by the application of force to the releasing device, relocking shall be by manual means only.

Exceptions:

- 4.1 Where approved, a delay of not more than thirty (30) seconds shall be permitted.
- 4.2 The release of the latch is permitted to be reversed by manual over-ride either by security personnel, the tenant, or the command center to cause the latch to remain in a locked mode, provided the vicinity of the door that is locked out is equipped with both a 2-way audio and a 1-way video that are connected to the security personnel, the tenant, or the command center.
5. A sign shall be provided on the door located above and within twelve (12) inches (305 mm) of the release device reading: **PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 [30] SECONDS.**
6. Emergency lighting shall be provided at the door.

1008.1.9.7.1 Electrical Locking System-Added. Buildings permitted prior to 1999 that are not in compliance with Section 1008.1.9.7 of this code shall be permitted to utilize an electrical locking system with the following conditions, provided, the building is equipped throughout with an *automatic sprinkler system* in accordance with Section 903 of this code, and an approved automatic smoke or heat detection system installed in accordance with Section 907 of this code:

1. The electrical locking system shall be interconnected with the *automatic sprinkler*

system and automatic fire detection system such that it unlocks upon actuation of the *automatic sprinkler system* or automatic fire detection system.

2. The electrical locking system shall unlock upon loss of power controlling the lock or locking mechanism. The door locks shall not be connected to an emergency power system.
3. A constantly and internally lit button with $\frac{3}{4}$ " (19.1 mm) minimum surface dimension shall be provided 48" above the floor and within 12" (305 mm) of the door on the latch side, together with an immediately adjacent sign reading "PRESS BUTTON IF EMERGENCY DOOR OPERATION IS NEEDED" of 2" (50 mm) high letters in contrasting color to the sign surface. Equivalent Braille signage shall be provided on the sign surface, mounted 48" (1219 mm) minimum from the floor to the bottom of Braille text. Activation of the button by pressing under a force not exceeding $\frac{1}{2}$ pound (2.23 N) will immediately operate a voice communication system connected to a central control point that is constantly attended that is not required to be within the building, with the ability for the central control point to immediately contact another person to respond to the emergency.
4. Emergency lighting and exit light fixture shall be provided.
5. Electrical Locking System locks provided under this section shall be required to be tested annually by an Electronic Access Control Hardware company during the annual fire alarm inspection to assure they function as required in items 1 and 2 of this section.
6. An occupant within the building shall be provided with at least one direct access to an *exit* without being required to pass through a door equipped with such electrical locking system.
7. An occupant within the building shall not be required to pass through more than one door equipped with such electrical locking system before entering an *exit*.

1008.1.9.10 Stairway Doors-Amendatory. *Interior stairway means of egress* doors shall be openable from both sides without the use of a key or special knowledge or effort.

Exceptions:

1. *Stairway* discharge doors shall be openable from the egress side and shall only be locked from the opposite side.
2. This section shall not apply to doors arranged according to Section 403.5.3 of the *ICC International Building Code*.
3. In *stairways* serving not more than four stories, doors are permitted to be locked from the side opposite the egress side, provided they are openable from the egress side and are capable of being unlocked simultaneously without unlatching

upon a signal from the fire command center, if present, or a signal from emergency personnel from a single location inside the main entrance to the building.

4. Doors on *stair* enclosures shall be permitted to be equipped with hardware that prevents re-entry into the interior of the building, provided that:
 - 4.1 There are at least 2 levels where it is possible to leave the *stair* enclosure, and
 - 4.2 There shall be not more than 4 floors intervening between floors where it is possible to leave the *stair* enclosure, and
 - 4.3 Re-entry is possible on the top or next to the top floor permitting access to another exit; and
 - 4.4 Doors permitting re-entry are identified as such on the *stair* side of the door.

1008.1.9.11 Fail-safe Electronic Locks-Added. Except for Group A, E and H occupancies, approved fail-safe electronic locks shall be permitted to be installed on doors serving any occupancy in buildings that are equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 and an approved automatic smoke or heat detection system installed in elevator lobbies and machine rooms as required for elevators with recall capabilities, provided that the fail-safe electronic locks comply with all the conditions in paragraphs 1 through 6 below, to access a required exit other than the first required exit.

1. The fail-safe electronic lock shall unlock upon actuation of the automatic fire sprinkler system, or automatic smoke or heat detection system.
2. The fail-safe electronic lock shall unlock upon loss of power to the electronic locking system.
3. The fail-safe electronic lock shall unlock upon loss of power to the building.
4. The fail-safe electronic lock shall not be supplied with emergency and/or back-up power.
5. The fail-safe electronic lock when unlocked shall not be reset until after the emergency no longer exists.
6. Fail-safe electronic locks provided under this section shall be required to be tested annually by an Electronic Access Control Hardware company during the annual fire alarm inspection to assure they function as required in items 1 thru 5 of this section.

Exceptions:

1. In addition to the above requirements, where fail-safe electronic locks in accordance with this section are used to secure elevator or *stair* lobbies that are not provided with direct access to an *exit*, the lobbies shall be provided with a 2-way communication system with a central station that can be located anywhere inside or outside of the building, provided it is manned 24 hours, 7 days a week. The communication system shall be tested monthly to ensure operational condition. The lobby shall also be provided with a location sign that indicates its location in the building. Direction to *exits* shall be provided with *exit* lights as required by this code.
2. In addition to the above requirements, where fail-safe electronic locks in accordance with this section are used to secure elevator or *stair* lobbies that are not provided with direct access to an *exit* in buildings that are not equipped with a sprinkler system in accordance with Section 903.3.1.1 of the *ICC International Building Code*, the lobbies shall have a manual fire alarm pull station tied into the building fire alarm system, in addition to a 2-Way communication system with a central station that can be located anywhere inside or outside of the building. The central station shall also be manned 24 hours, 7 days a week, and shall be tested monthly to ensure operational condition. The lobby shall also be provided with a location sign that indicates its location in the building. Direction to exits shall be provided with *exit* lights as required by this code. An informational sign is not required for the manual fire alarm pull station.
3. In addition to the above requirements, where fail-safe electronic locks in accordance with this section are installed on *stairway* doors and its operation requires a primary release from the egress side to release the locking mechanism which is not integral to the latch, a secondary push-button release shall be required to be installed on the egress side, as a back-up unlocking operation, in the event of failure of the primary release mechanism.

1009.1 General-Amendatory. *Stairways* serving occupied portions of a building, and exterior *stairways* traversed by human traffic, shall comply with the requirements of this section, notwithstanding the general scoping provisions of Section 1001.1. These requirements shall not be applicable to stairs or steps in swimming and wading pools; play structures; equipment; and similar structures.

1009.1.1. Stairway Width-Added. The width of *stairways* shall be determined as specified in Section 1005.1, but such width shall not be less than 44 inches (1118 mm). See Section 1007.3 for accessible means of egress stairways.

Exceptions:

1. Stairways serving an occupant load of less than 50 shall have a width of not less than 36 inches (914 mm).
2. Spiral stairways as provided for in Section 1009.9.

3. Aisle stairs complying with Section 1028.
4. Where an incline platform lift or stairway chairlift is installed on stairways serving occupancies in Group R-3, or within dwelling units in occupancies in Group R-2, a clear passage width not less than 20 inches (508 mm) shall be provided. If the seat and platform can be folded when not in use, the distance shall be measured from the folded position.

1014.2.1 Multiple Tenants-Amendatory. Where more than one tenant occupies any one floor of a building or structure, each tenant space, dwelling unit and sleeping unit shall be provided with access to the required exits without passing through adjacent tenant spaces, dwelling units and sleeping units.

Exceptions:

1. The *means of egress* from a smaller tenant space shall not be prohibited from passing through a larger adjoining tenant space where such rooms or spaces occupy less than ten percent (10%) of the area of the tenant space through which they pass, are the same or similar occupancy group, a discernible path of egress travel to an *exit* is provided, and the *means of egress* into the adjoining space is not subject to locking from the egress side. A required *means of egress* serving the larger tenant space shall not pass through the smaller tenant space or spaces.
2. Means of egress to the required second exit through another tenant space shall not be prohibited in buildings permitted prior to October 27, 1972.
3. Existing means of egress through another tenant space, approved on or after October 27, 1972 and prior to January 1, 2008, shall be permitted to remain. Newly created means of egress through another tenant space shall not be permitted in buildings permitted on or after October 27, 1972.

1022.1 Enclosures Required-Amendatory. *Interior exit stairways* and interior *exit ramps* shall be enclosed with fire barriers constructed in accordance with Section 707 of the *International Building Code* or *horizontal assemblies* constructed in accordance with Section 712 of the *International Building Code*, or both. *Exit enclosures* shall have a *fire-resistance rating* of not less than 2 hours where connecting four stories or more and not less than 1 hour when connecting less than four stories. The number of stories connected by the *exit enclosure* shall include any basements but not any *mezzanines*. *Exit enclosures* shall have a *fire-resistance rating* not less than the floor assembly penetrated, but need not exceed 2 hours. *Exit enclosures* shall lead directly to the exterior of the building or shall be extended to the exterior of the building with an *exit passageway* conforming to the requirements of Section 1023, except as permitted in Section 1027.1. An *exit enclosure* shall not be used for any purpose other than *means of egress*.

Exceptions:

1. In all occupancies, other than Group H and I occupancies, a *stairway* is not required to be enclosed when the *stairway* serves an *occupant load* of less than 10 and the *stairway* complies with either Item 1.1 or 1.2. In all cases, the maximum number of connecting opening stories shall not exceed two.
 - 1.1. The *stairway* is open to not more than one *story* above its *level of exit discharge*; or
 - 1.2. The *stairway* is open to not more than one *story* below its *level of exit discharge*.
2. *Exits* in buildings of Group A-5 where all portions of the *means of egress* are essentially open to the outside need not be enclosed.
3. *Stairways* serving and contained within a single residential dwelling unit or sleeping unit in Group R-1, R-2 or R-3 occupancies are not required to be enclosed.
4. *Stairways* in open parking structures that serve only the parking structure are not required to be enclosed.
5. *Stairways* in Group I-3 occupancies, as provided for in Section 408.3.8 of the *International Building Code*, are not required to be enclosed.
6. *Means of egress stairways* as required by Section 410.5.3 and 1015.6.1 are not required to be enclosed.
7. *Means of egress stairways* from balconies, galleries or press boxes as provided for in Section 1028.5.1 are not required to be enclosed.
8. *Stairways* complying with exception 3 or 4 of Section 1016.1 are not required to be enclosed.

3301.1.3 Fireworks-Amendatory. It shall be unlawful and a misdemeanor offense for any person to possess, manufacture, store, sell, handle or use any fireworks within the corporate limits of the City of Tulsa, without first having procured an operational permit from the *fire code official*, as required by Section 3301.2 of this code. The operational permit fee shall be as provided in Title 49, Tulsa Revised Ordinances, Chapter 14.

3301.2.4 Financial Responsibility-Amendatory. Before an operational permit is issued, as required by Section 3301.2 of this code, the applicant shall file with the City Clerk of the City of Tulsa a corporate surety bond in the principal sum of \$3,000,000 or certificate of insurance evidencing a public liability insurance policy for the same amount, for the purpose of the payment of all damages to persons or property which arise from, or are caused by, the conduct of any act authorized by the permit upon which any judicial judgment results. The *fire code official* is authorized to specify a greater or lesser

amount when, in the fire code official's opinion, conditions at the location of use indicate a greater or lesser amount is required. Government entities shall be exempt from this bond requirement.

3901.1 Scope-Amendatory. The storage and use of organic peroxides shall be in accordance with this chapter, Chapter 27 and *National Fire Protection Association* (NFPA) Standard Reference Number 432 listed in Chapter 47 of this code. Unclassified detonable organic peroxides that are capable of detonation in their normal shipping containers under conditions of fire exposure shall be stored in accordance with Chapter 33 of this code.

4601.1 Scope-Amendatory. The provisions of this chapter shall apply to existing buildings constructed prior to the adoption of this code.

Exception: Buildings or portions of a building that comply with the latest edition of the *International Existing Building Code*, 2009 Edition, or the edition that was adopted at the time a remodel occurred.

4603.3 Vertical Openings-Amendatory. By January 1, 2017 in all existing buildings built prior to January 1, 2000, interior vertical shafts, including but not limited to *stairways*, elevator hoistways, service and utility shafts, that connect two (2) or more stories of a building shall be enclosed or protected as specified in Sections 4603.3.1 through 4603.3.7.

Exception: Where a building is evaluated in accordance with *ICC International Building Code* Chapter 34, Section 3412 and achieves a passing score, a building shall be deemed to have satisfied a compliance alternative to this requirement. If additional modifications are required to achieve a passing score, by July 1, 2015, a "4603.3 *Compliance Schedule Agreement Form*" may be requested by the owner and, when *approved* by the building official and *fire code official*, shall be recorded in land records maintained by the Tulsa County Clerk.

4603.3.1.1 Sprinkler Protection-Added. Where an Owner chooses to sprinkle any building as a means to provide the protection required by Section 4603.3 of this code, the Owner shall comply the following schedule for installation of an *automatic sprinkler system*:

1. On or before July 1, 2014 the Owner(s), or the Owner's authorized agent, shall provide the code official with written plans for compliance with this section and sign a "*Fire Sprinkler Agreement Form*" which, when approved by the building official and fire code official and signed by the Mayor shall be recorded in land records maintained by the Tulsa County Clerk.
2. All occupied floors shall be equipped with an *automatic sprinkler system* which shall, at a minimum, provide automatic sprinkler protection to one-third of the

building and the entire lobby spaces at the *level of exit discharge* by the year 2014; two-thirds of the building by the year 2017; and totally by the year 2020.

Exception: Where a building is being equipped with an automatic sprinkler system in accordance with Section 4603.4.6 Option 1 of this code.

4603.3.1.2 Compliance Schedule Agreement Form-Added. A "4603.3 Compliance Schedule Agreement Form" in substantial compliance with the content provided in this Section 4603.3.1.2 shall be utilized pursuant to Section 4603.3 of this code:

City of Tulsa
4603.3 Compliance Schedule Agreement Form

Building Name: _____

Building Address: _____

City, State, Zip Code: _____

Legal Description: _____

Owner: _____

Conditions of Agreement: _____

Owner or Owner's Authorized Agent (If agent, include written instrument of authority.)

Signature

Print Name

Title: (please check appropriate box below)

President Vice-President Manager

Individual Other: _____

Date: _____

Sworn and subscribed to before me this _____ day of _____, 20_____.

Notary Public

[Notary Seal]

[Name of Notary typewritten or printed]

Commission Expires: _____

Current Fire Marshal – City of Tulsa Fire Marshal

Date: _____

Sworn and subscribed to before me this _____ day of _____, 20_____.

Notary Public

[Notary Seal]

[Name of Notary typewritten or printed]

Commission Expires: _____

Current building Official – Building Code Official

Date: _____

Sworn and subscribed to before me this _____ day of _____, 20_____.

Notary Public

[Notary Seal]

[Name of Notary typewritten or printed]

Commission Expires: _____

Current Mayor – Mayor of the City of Tulsa

Date: _____

Attest: _____
City Clerk

Approved: _____
City Attorney

This document was acknowledged before me this _____ day of _____,
20____, by _____ as Mayor of the City of Tulsa.

Notary Public

[Name of Notary typewritten or printed]

[Notary Seal]

Commission Expires: _____

4603.3.1.3 Fire Sprinkler Form-Added. A "*Fire Sprinkler Agreement Form*" in substantial compliance with the content provided in this Section 4603.3.1.3 shall be utilized pursuant to Section 4603.3.1.1 of this code:

City of Tulsa
Fire Sprinkler Agreement Form

Building Name: _____

Building Address: _____

City, State, Zip Code: _____

Legal Description: _____

Owner: _____

Conditions of Agreement: _____

Owner or Owner's Authorized Agent (If agent, include written instrument of authority.)

Signature

Print Name

Title: (please check appropriate box below)

President Vice-President Manager

Individual Other: _____

Date: _____

Sworn and subscribed to before me this _____ day of _____, 20____.

Notary Public

[Name of Notary typewritten or printed]

[Notary Seal]

Commission Expires: _____

Current Fire Marshal – City of Tulsa Fire Marshal

Date: _____

Sworn and subscribed to before me this _____ day of _____, 20____.

Notary Public

[Name of Notary typewritten or printed]

[Notary Seal]

Commission Expires: _____

Current Building Official – Building Code Official

Date: _____

Sworn and subscribed to before me this _____ day of _____, 20____.

Notary Public

[Notary Seal]

[Name of Notary typewritten or printed]

Commission Expires: _____

Current Mayor – Mayor of the City of Tulsa

Date: _____

Attest: _____
City Clerk

Approved: _____
City Attorney

This document was acknowledged before me this _____ day of _____,
20_____, by _____ as Mayor of the City of Tulsa.

Notary Public

[Name of Notary typewritten or printed]

[Notary Seal]

Commission

4603.3.2 Three to five stories- Amendatory. In other than Group I occupancies, interior vertical openings connecting three to five stories shall be protected by either 1-hour *fire-resistant-rated* construction or an *automatic sprinkler system* shall be installed throughout the building in accordance with Section 903.3.1.1 or 903.3.1.2.

Exceptions:

1. Vertical opening protection is not required for Group R-3 occupancies.
2. Vertical opening protection is not required for open parking garages and ramps.
3. Vertical opening protection for escalators shall be in accordance with Section 4603.3.5, 4603.3.6 or 4603.3.7.
4. Vertical openings that comply with the requirements of Section 703.2.1 of the *International Existing Building*.

4603.4.3 Existing A-2 Nightclubs-Added. An *approved automatic sprinkler system* shall be provided in existing A-2 nightclub occupancies where one of the following conditions exist:

1. The *fire area* exceeds 5,000 square feet (464.5m²);
2. The *fire area* has an occupant load of 300 or more;
3. The *fire area* is located on a floor other than the *level of exit discharge*; or
4. By January 1, 2012, any A-2 nightclub tenant space which has an *occupant* load of 100 or more and the total overall *occupant load density* in the A-2 nightclub tenant space is denser than ten (10) square feet per occupant.

Example 1: 1500 sq. ft. Nightclub / 149 occupants = 10.07 Density, not denser than 10 sq. ft. per occupant, therefore Nightclub is not required to be sprinkled.

Example 2: 1500 sq. ft. Nightclub / 151 occupants = 9.93 Density, denser than 10 sq. ft. per occupant, therefore Nightclub shall be sprinkled.

4603.4.4 Existing College Dormitories-Added. An *approved automatic sprinkler system* shall be provided in existing college dormitories that are not in compliance with the *ICC International Building Code*.

4603.4.5 Existing College Fraternities and Sororities-Added. An *approved automatic sprinkler system* shall be provided in existing college fraternities and sororities that are not in compliance with the *ICC International Building Code*.

4603.4.6 Existing High-rise Buildings-Added. An *approved automatic sprinkler system* shall be provided by January 1, 2010 in all existing high-rise buildings that are not in compliance with the *ICC International Building Code*, 2006 Edition, as adopted by the City of Tulsa.

Exceptions:

1. All apartment and condominium high-rise buildings or structures having a Residential Group R-2 occupancy classification existing prior to January 1, 2006, with no more than ten percent (10%) of the useable floor area utilized for other occupancy classifications, shall be exempt in their entirety, until such time as more than ten percent (10%) of the useable floor area is utilized for other occupancy classifications. For purposes of this Exception, apartment and condominium high-rise buildings and structures shall include buildings and structures, or portions thereof which are accessory to such apartment and condominium high-rise buildings, including parking structures.
2. Existing high-rise buildings with a Business Group B occupancy classification shall be equipped with an *automatic sprinkler system* pursuant to Option 1 or 2 of this Exception. Sprinkler system and automatic fire alarm system installations shall not be required for vacant buildings and for vacant floors in occupied buildings that are secured and kept free of storage and combustibles. Such

vacant floors shall not be included in calculating the percentage of area to be sprinkled. Implementation of Option 1 or Option 2 in accordance with this Exception shall constitute a sufficient equivalency to the vertical-openings requirements set forth in Section 4603.3 of this code. For the purpose of permitting-remodel-work, if there exists a written *City of Tulsa Fire Sprinkler Agreement Form* requested by the owner and approved by the building official and *fire code official* and signed by the Mayor, recorded in land records maintained by the Tulsa County Clerk, the building shall receive equivalent consideration as fully equipped with a sprinkler system during the interim period leading to the completion of conditions of the agreement.

Option 1: A building owner may choose to sprinkle ninety per cent (90%) of the gross floor area as defined in Section 1002 of the *ICC International Building Code, 2006 Edition*, as adopted by the City of Tulsa, [in general terms this is consistent with Building Owners and Managers Association International (BOMA) definition of net rentable space, except it also include~ stairways and parking garages] where the remaining non-sprinkled area of up to ten percent (10)% of the gross floor area is not concentrated in a single area of a size greater than five percent (5)% of the gross floor area. All common exit access and exits shall be protected with sprinklers or a fire/smoke separation, pursuant to the *ICC International Building Code, 2006 Edition*, as adopted by the City of Tulsa. An automatic fire alarm system shall be installed pursuant to *National Fire Protection Association (NFPA) Standard Reference Number 72 (NFPA72)* in the following locations: in all common *corridors* throughout the building, all designated unsprinkled spaces and pursuant to Section 907.2.13.1 of this code. The owner shall comply with the following sprinkler completion schedule:

- a. A building undergoing a change of use or occupancy of more than ten percent (10%) of the gross floor area shall comply 'With Option 1 no later than January 1, 2010.
- b. A building undergoing a change of use or occupancy of more than ten percent (10%) of the gross floor area after January 1, 2010 shall comply with Option 1 by the completion of the change of use or occupancy.
- c. Once exempted space(s) are designated that, taken alone or in the aggregate, will comprise the ten per cent (10%) which is exempt from any sprinkling requirement, the Owner shall sign a *City of Tulsa Fire Sprinkler Agreement Form* requested by the owner and approved by the building official and *fire code official* and signed by the Mayor, recorded in land records maintained by the Tulsa County Clerk, evidencing that the owner has selected Option 1 and will provide a schedule for equipping of the building with an automatic fire alarm system to be completed within three (3) years, or the year 2020, whichever is sooner.

The building owner shall maintain a record keeping process to account for what areas are to be sprinkled and non-sprinkled pursuant to Option 1. Owner signed documentation of the totals of this accounting shall be submitted to the Permit Office with each application for a remodel permit or a certificate of occupancy. As long as the total non-sprinkled space remains at ten per cent (10%) or less the owner may choose to substitute one space for another for providing a sprinkler system, provided it meets the other provisions of this section.

- d. Unless exempted pursuant to the Owner's designation of exempted space(s), any floor alteration and adjoining non-rated common corridors permitted after the year 2006 shall be equipped with a sprinkler system as required by the *ICC International Building Code, 2006 Edition*, as adopted by the City of Tulsa. The remaining area of a partially sprinkled floor shall be sprinkled pursuant to paragraph (e) of this section or in accordance with a *City of Tulsa Fire Sprinkler Agreement Form* requested by the owner and approved by the building official and fire code official and signed by the Mayor, recorded in land records maintained by the Tulsa County Clerk.
- e. All occupied floors shall, at a minimum, be equipped with an *automatic sprinkler system* to provide automatic sprinkler protection to one-third of the gross floor area and the entire egress lobby space at the required and designated *levels of exit discharge* by the year 2014; two-thirds by the year 2017; and nine-tenths by the year 2020.

Exception: A designated egress lobby space at the *level of exit discharge* in buildings permitted prior to October 27, 1972 may not have to be sprinkled or separated when the building official and *fire code official* approves an alternative life-safety system.

- f. Any vacant floor which becomes either partially or fully occupied after the year 2020 shall be fully equipped with a sprinkler system, unless exempted pursuant to the owner's designation of exempted space(s).

Option 2: A building owner may choose to equip a building with a fully *automatic sprinkler system* throughout. In such an event, an owner shall comply with the following time schedule, except where the work area or change in use shall be equipped with a sprinkler system in accordance with the Code:

- a. A building undergoing a change of use or occupancy of more than ten percent (10%) of the gross floor area shall be fully equipped with an automatic sprinkler system throughout the building no later than the year 2010.
- b. A building undergoing a *change of use or occupancy* of more than ten percent (10%) of the gross floor area after the year 2010 shall be fully equipped with

an *automatic sprinkler system* throughout the building by the completion of the *change of use or occupancy*.

- c. Any floor alteration and adjoining non-rated common *corridors* permitted after the year 2006 shall be equipped with a sprinkler system as required by the *ICC International Building Code*, 2006 Edition, as adopted by the City of Tulsa. The remaining area of a partially sprinkled floor shall be sprinkled pursuant to paragraph (d) of this section or in accordance with a signed *City of Tulsa Fire Sprinkler Agreement Form* requested by the owner and approved by the building Official and *fire code official* and signed by the Mayor, and recorded in land records maintained by the Tulsa County Clerk.
- d. All occupied floors shall, at a minimum, be equipped with an *automatic sprinkler system* to provide automatic sprinkler protection to one-third of the building and the entire lobby space at the *level of exit discharge* by the year 2014; two-thirds of the building by the year 2017; and totally by the year 2020.
- e. Any Vacant floor either partially or fully occupied after the year 2020 shall be fully equipped with an *automatic sprinkler system*.

4604.1 General-Amendatory. *Means of egress* in existing buildings shall comply with the minimum egress requirements when specified in Table 4603.1 as further enumerated in Section 4604.2 through 4604.23 or *means of egress* conforming to the requirements of the building code under which they were constructed shall be considered as complying *means of egress* if, in the opinions of the *building official* and the *fire code official*, they do not constitute a distinct hazard to life. Existing buildings that were not required to comply with a building code at the time of construction shall comply with the minimum egress requirements when specified in Table 4603.1 as further enumerated in Sections 4604.2 through 4604.23.

4604.5 Illumination Emergency Power-Amendatory. The power supply for *means of egress* illumination shall normally be provided by the premises' electrical supply. In the event of power supply failure, illumination shall be automatically provided from an emergency system for the following occupancies where such occupancies require two or more *means of egress*:

1. Group A having 50 or more occupants.
2. Group B buildings three or more stories in height, buildings with 100 or more occupants above or below the *level of exit discharge* serving the occupants or buildings with 1,000 or more total occupants.
3. Group E in interior stairs, *corridors*, windowless areas with student occupancy, shops and laboratories.

4. Group F having more than 100 occupants.

Exception: Buildings used only during daylight hours which are provided with windows for natural light according to the *International Building Code*.

5. Group I.

6. Group M.

Exception: Buildings less than 3,000 square feet (279 m²) in gross sales area on one (1) story only, excluding mezzanines.

7. Group R-1.

Exception: Where each *sleeping unit* has direct access to the outside of the building at grade.

8. Group R-2.

Exception: Where each *dwelling unit* or *sleeping unit* has direct access to the outside of the building at grade.

9. Group R-4.

Exception: Where each *sleeping unit* has direct access to the outside of the building at ground level.

4604.18.2 Dead ends-Amendatory. Where more than one *exit* or *exit access* doorway is required, the *exit access* shall be arranged such that dead ends do not exceed the limits specified in Table 4604.18.2.

Exceptions:

1. A dead-end passageway or *corridor* shall not be limited in length where the length of the dead-end passageway or *corridor* is less than 2.5 time the least width of the dead-end passageway or *corridor*.
2. Dead ends that comply with the requirements of Section 705.6 of the *International Existing Building Code*, 2009 Edition.

Chapter 47-Amendatory. Within the *ICC International Fire Code*, 2009 Edition Chapter 47, Referenced Standards, the referenced standard of the *National Fire Protection Association* (NFPA), is amended to read as follows:

70-11	National Electrical Code.....	603.1.3, 603.1.7, 603.5.2, 604.2.15.1, 605.3, 605.4, 605.9, 606.16, 904.3.1, 907.1, 909.11, 909.12.1, 909.16.3, 1106.3.4, 1204.2.3, Table 1304.1, 1404.7, 1503.2.1, 1503.2.1.1, 1503.2.1.4, 1503.2.5, 1504.9.4, 1604.5, 1703.2, 1803.7.1, 1803.7.2, 1803.7.3, 1903.4, 2004.1, 2205.4, 2208.8.1.2.4, 2209.2.3, 2211.3.1, 2211.8.1.2.4, 2403.12.6.1, 2404.15.7, 2606.4, 2703.7.3, 3003.7.6, 3003.8, 3003.16.11, 3003.16.14, 3203.6, 3203.7.2, 3403.1, Table 3403.1.1, 3403.1.3, 3404.2.8.12, 3404.2.8.17, 3406.2.8, 3503.1.5, 3503.1.5.1, 3507.1.10, 3606.5.5, 3606.5.6, 3704.2.2.8
432-02	Organic Peroxide Formulations, Storage of-2002	3901.1

(1) Substitute “International Building Code®” with “IBC-09 International Building Code® as adopted and modified by the State of Oklahoma through the Uniform Building Code Commission”.

(2) Substitute “International Existing Building Code®” with “IEBC-09 International Existing Building Code® as adopted and modified by the State of Oklahoma through the Uniform Building Code Commission”.

(3) Substitute “International Fuel Gas Code®” with “IFGC-09 International Fuel Gas Code® as adopted and modified by the State of Oklahoma through the Uniform Building Code Commission”.

(4) Substitute “International Mechanical Code®” with “IMC-09 International Mechanical Code® as adopted and modified by the State of Oklahoma through the Uniform Building Code Commission”.

(5) Substitute “International Plumbing Code®” with “IPC-09 International Plumbing Code® as adopted and modified by the State of Oklahoma through the Uniform Building Code Commission”.

(6) Substitute “International Residential Code®” with “IRC-09 International Residential Code® as adopted and modified by the State of Oklahoma through the Uniform Building Code Commission”.

(7) Substitute “NFPA 70® National Electrical Code®” with “70-11 National Electrical Code® as adopted and modified by the State of Oklahoma through the Uniform Building Code Commission”.

Appendix A-Deleted. Appendix A of the *International Fire Code* entitled "Board of Appeals" is intentionally deleted from this code.

Appendices B through J-Added. The following appendices of the *International Fire Code* are specifically referred to, adopted and made a part of this code, as if fully set out in this chapter, with the amendments thereto:

- APPENDIX B FIRE-FLOW REQUIREMENTS FOR BUILDINGS
- APPENDIX C FIRE HYDRANT LOCATIONS AND DISTRIBUTION
- APPENDIX D FIRE APPARATUS ACCESS ROADS
- APPENDIX E HAZARD CATEGORIES
- APPENDIX F HAZARD RANKING

APPENDIX G	CRYOGENIC FLUIDS-WEIGHT AND VOLUME EQUIVALENTS
APPENDIX H	HAZARD MATERIALS MANAGEMENT PLAN (HMMP) AND HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS) INSTRUCTIONS
APPENDIX I	FIRE PROTECTION SYSTEMS-NONCOMPLIANT CONDITIONS
APPENDIX J	EMERGENCY RESPONDER RADIO COVERAGE

Appendix D-Amendatory. Appendix D of the *International Fire Code* entitled *Fire Apparatus Access Roads*, Figure D103.4, entitled *Requirements for Dead-End Fire Apparatus Access Roads* is amended in this code, to appear as follows:

**TABLE D103.4-Amendatory
REQUIREMENTS FOR DEAD-END FIRE
APPARATUS ACCESS ROADS**

LENGTH (feet)	WIDTH (feet)	TURNAROUNDS REQUIRED
0-150	20	None required
151-250	20	120-foot Hammerhead, 60-foot "Y" or 76-foot-diameter cul-de-sac in accordance with the Subdivision Regulations for the Tulsa Metropolitan Area
251-500	20	120-foot Hammerhead, 60-foot "Y" or 80-foot-diameter cul-de-sac in accordance with the Subdivision Regulations for the Tulsa Metropolitan Area
501-750	26	120-foot Hammerhead, 60-foot "Y" or 96-foot-diameter cul-de-sac in accordance with the Subdivision Regulations for the Tulsa Metropolitan Area
Over 750		Special approval required

Ord. No. 20044, 20824

Section 2. REPEAL OF CONFLICTING ORDINANCES. That all ordinances or parts of ordinances in conflict herewith be and the same are hereby expressly repealed.

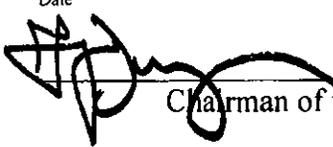
Section 3. PROTECTION OF EXISTING RIGHTS AND REMEDIES. That nothing in this Ordinance shall be construed to affect any suit or proceeding pending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing under any act or ordinance hereby repealed; nor shall this Ordinance require any changes in work which have been lawfully authorized prior to the adoption of this Ordinance, so long as such work is actually commenced within sixty (60) days after the adoption of this Ordinance.

Section 4. SEVERABILITY. If any section, subsection, paragraph, subparagraph, sentence, clause or phrase of this Ordinance shall be declared invalid for any reason whatsoever, such decision shall not affect the remaining portions of this Ordinance, which shall remain in full force and effect, and to this end, the provisions of this Ordinance are hereby declared to be severable.

Section 5. OPERATIVE CLAUSE. Following passage of this ordinance by the City Council, with separate approval of its Emergency Clause; approval by the Mayor; and publication, this ordinance shall be operative on and after November 1, 2012.

Section 6. EMERGENCY CLAUSE. That because this ordinance is essential to the regulation of fire safety and prevention an emergency is now declared to exist for the preservation of the public peace, health and safety by reason whereof this ordinance shall take effect immediately from and after its passage, approval and publication.

ADOPTED by the Council: SEP 20 2012
Date


Chairman of the Council

ADOPTED as an emergency measure: _____
Date

N/A
Chairman of the Council

OFFICE OF THE MAYOR

Received by the Mayor: _____, at _____
Date Time

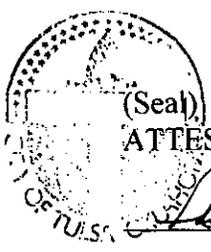
Dewey F. Bartlett, Jr., Mayor

By _____
Secretary
SEP 24 2012

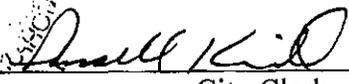
APPROVED by the Mayor of the City of Tulsa, Oklahoma: _____
Date

at _____
Time


Mayor



(Seal)
ATTEST:


City Clerk

APPROVED:


City Attorney vre 9/25/12