

ORDINANCE NUMBER 14M
Proposal Number 36
Effective date: April 27, 2017

A BOARD OF DIRECTORS ORDER ADOPTING THE 2015 EDITION OF THE INTERNATIONAL FIRE CODE, REGULATING AND GOVERNING THE SAFEGUARDING OF LIFE AND PROPERTY FROM FIRE AND EXPLOSION HAZARDS ARISING FROM THE STORAGE, HANDLING AND USE OF HAZARDOUS SUBSTANCES, MATERIALS AND DEVICES, AND FROM CONDITIONS HAZARDOUS TO LIFE OR PROPERTY IN THE OCCUPANCY OF BUILDINGS AND PREMISES IN THE BOONE COUNTY FIRE PROTECTION DISTRICT; PROVIDING FOR THE ISSUANCE OF PERMITS AND COLLECTION OF FEES THEREFORE; REPEALING **ORDINANCE NO. 14-L** OF THE BOONE COUNTY FIRE PROTECTION DISTRICT AND ALL OTHER ORDINANCES AND PARTS OF THE ORDINANCES IN CONFLICT THEREWITH.

AN ORDINANCE

Enacting in lieu thereof a new Article adopting the 2015 edition of the International Fire Code; and fixing the time when this ordinance shall become effective.

BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE BOONE COUNTY FIRE PROTECTION DISTRICT, COLUMBIA, MISSOURI AS FOLLOWS:

SECTION 1: ADOPTION OF THE INTERNATIONAL FIRE CODE:

Pursuant to the authority granted by Section 321.600(12) of the Revised Statues of the State of Missouri, the board of directors of the Boone County Fire Protection District does hereby adopt this **Ordinance Number 14M** known as the "International Fire Code" that a certain document, three (3) copies of which are on file in the office of the Boone County Fire Protection District, being marked and designated as the International Fire Code, 2015 edition, including Appendix Chapters Appendices B, C, D and I as published by the International Code Council and or amended by the Fire District, be and is hereby adopted as the Fire Code of the Boone County Fire Protection District, in the State of Missouri regulating and governing the safeguarding of life and property from fire and explosion hazards arising from the storage, handling and use of hazardous substances, materials and devices and from conditions hazardous to life or property in the occupancy of buildings and premises as herein provided; providing for the issuance of permits and collection of fees therefore; and each and all of the regulations, provisions, penalties, conditions and terms of said Fire Code on file in the office of the Boone County Fire Protection District are hereby referred to, adopted and made a part hereof, as is fully set out in this ordinance, with the additions, insertions, deletions and changes, if any, prescribed.

SECTION 2. JURISDICTIONAL TITLE:

100.1 Wherever (name of jurisdiction) appears in this code, it shall read "Boone County Fire Protection District".

100.1.1 Wherever "Department of Inspection" appears in this code, it shall read "Support Services Bureau of the Boone County Fire Protection District."

100.1.2 Wherever "Chief Appointing Authority of the Jurisdiction" appears in this Code, it shall read "Board of Directors of the Boone County Fire Protection District".

Amendments

The code adopted by this article is hereby amended by substituting the following sections in lieu of those sections with corresponding numbers in the 2015 edition of the International Fire Code, or where there is no corresponding section in the code; the following sections shall be enacted as additions to the code:

101.1 Title: These regulations shall be known as the Fire Code of the Boone County Fire Protection District, Columbia, Missouri, and hereinafter referred to as "this code."

Section 103.0 Fire Prevention

103.1 Director: The administration and enforcement of this ordinance shall be the duty of the Fire Chief, who is hereby authorized to take such action as may be reasonably necessary to enforce the provisions of this code. Such persons may be appointed and authorized as assistants or representatives of the chief as may be necessary to carry out the provisions of this code.

103.2: Appointment: Delete

103.4 Relief from personal responsibility: the code official, officer or employee charged with the enforcement of this code, while acting for the jurisdiction, shall not thereby rendered liable personally, and is hereby relieved from all personal liability for any damage occurring to persons or property as a result of any act required or permitted in the discharge of official duties. Any suit instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the costs in any action, suit or proceeding that is instituted in pursuance of the provisions of this code; and any officer of the Boone County Fire Protection District and the Boone County Planning and Building acting in good faith and without malice, shall be free from liability for acts performed under any of its provisions or by reason of any act or omission in the performance of official duties in connection therewith.

105.4.1 Submittals: Add words

Supporting documents shall include the Architect of Record Code Review Analysis which shows a comprehensive review of all sections within the fire code and the applicability of each section. This document shall be submitted and accompanied by a full size set of plans for review. No reduced or scaled down plan submittal will be accepted.

105.4.1.2 Plan Review Fee Schedule

The Boone County Fire Protection District requires a plan review fee to be paid at time of plan submittal. The following flat rate fee schedule shall apply to all new and remodel construction permits:

Square Footage	Flat Rate Plan Review Fee
0-5000	\$200
5001-20,000	\$300
20,001- 50,000	\$400
50,000 – 100,000	\$500
100,001 – 200,000	\$700
200,001 – 300,000	\$800
300,001 – 400,000	\$900
400,001 – 500,000	\$1000
500,000 plus	\$1500

Add 105.6.49 Fire Performance Art: An operational permit is required to use open flames defined as Fire Performance Art under section 316 of this code.

105.7 Required construction permits: The building code official is authorized to issue construction permits for work as set forth in Sections 105.7.1 through 105.7.16.

108.1 Application for Appeal: Any aggrieved person shall have the right to appeal a decision of the code official to the Boone County Fire Protection District Board of Directors.

108.2 Limitation on Authority: Delete

108.3 Qualifications: Delete

109.3 Delete in its entirety.

Insert:

109.3 Violation Penalties: Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, shall be guilty of a misdemeanor and punishable by a fine of not more than five hundred (500) dollars. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

111.4 Failure to Comply: Delete

111.4 Failure to Comply: Any person who shall 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, shall be liable to a fine of not less than one hundred (100) dollars and not more than five hundred (500) dollars.

308.1.4 Open-flame cooking devices - Charcoal burner and other open flame cooking devices shall not be operated on combustible balconies or within 10 feet of combustible construction.

Exceptions:

- A. One-and-two family dwellings.
- B. Apartment buildings and condominiums.
- C. Where buildings, balconies and decks are protected by an automatic sprinkler system.

Section 319 Fire Performance Art

319.1 General: Fire Performance Art shall be defined as any act (fire juggling, fire eating, etc.) in a public or private place, which utilizes fire for entertainment purposes, outside of a protective housing or in ways in which it travels through the air (by one person or multiple persons). These acts do not include pyrotechnics or other open flame devices as regulated by other code sections or permits.

319.2 Permits: A permit in accordance with 105.6.49 shall be secured from the fire code official before the date of the fire performance art taking place.

319.3 Space considerations: A 10-foot distance shall be maintained between the fire-involved item and the any member of an audience, any combustible decoration and any combustible item within the immediate performance area. A minimum 10-foot ceiling height is required.

319.4 Extinguishing Agents: At minimum of one (1) 2A-10BC multipurpose fire extinguisher shall be required for every five (5) performers at each performance. Additional fire extinguishers may be required by the code official based upon the unique circumstances of the performance and occupancy.

319.4.1 One wet towel for each active fire performer shall be provided to extinguish the fire implement. The towel shall be white in color to differentiate its use from other colors that may be used to clean up flammable or combustible liquid spills. Towels used for cleaning up flammable or combustible liquid spills shall be stored in a metal container with a tight fitting lid.

319.4.2 One listed fire blanket shall be provided for every five (5) performers.

319.5 Personal Safety: A five gallon open-topped bucket of water will be provided for each fire performance area.

319.5.1 Spotter: One trained spotter shall be provided for each performance. The spotter shall be positioned between the active fire performer and the audience. Spotters should be trained in the proper use of fire extinguishers. The spotter may be a performer who is not engaged in the current performance. The fire code official may require additional spotters based on the unique circumstances of the performance and occupancy.

319.6 Fuels: Approved common fuels used for fire performance art include:

Denatured Alcohol
Lamp Oil (odorless and smokeless)
Kerosene (For outdoor performances only)
Stove Fuel
"Shell Sol T" brand fuel
"Allume Fue" brand fuel
"Fire Water" brand fuel

Gasoline is prohibited under any circumstances.

319.6.1 Fuel Quantities and Storage: All fuels shall be stored in their original container(s) with the caps in place when not in use. The maximum quantity of fuel on the site shall be one (1) U.S. gallon per performer.

319.7 Wicks: Wick material shall consist of cotton wrapped in Kevlar to prevent the breakdown of the cotton as it burns. Synthetic wick material shall be avoided.

319.8 Clothing: It is recommended that the clothing worn by the performers be made of fire resistive materials such as natural fibers or Nomex™/PBI.

319.9 Smoking: Smoking is prohibited within 50 feet of the performance area and fuel storage. No smoking signs shall be posted accordingly.

505.1.2 Door Labeling: Each exterior egress doorway on a commercial building shall have a letter affixed to upper left corner of the exterior face of the door beginning with the main entrance door being labeled "A" and working clockwise around the building in alphabetical order. The letters shall be of a reflective material, blue in color, a minimum of six (6) inches tall with a minimum stroke of 0.5 inches. On K-12 school buildings there shall be an identical letter affixed on the interior face of the door consisting of the same size, location, color and reflective material.

505.1.3 Window Labeling: Exterior windows on K-12 school buildings shall be labeled to identify the room number or room letter which corresponds to the school map. The letters shall be of a reflective material, blue in color, a minimum of four (4) inches tall with a minimum stroke of 0.25 inches.

507.3 Fire Flow: Fire hydrants in areas zoned as single family, duplex or agricultural shall be spaced no greater than every five hundred (500) feet and shall be capable of flowing a minimum of five hundred (500) gallons of water per minute for a minimum of two (2) hours. In all other areas, fire hydrants shall be spaced no greater than every three hundred (300) feet and shall be capable of flowing one thousand (1,000) gallons per minute for a minimum of two (2) hours; as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the code.

507.3.1 Where the water district authority cannot meet the minimum standards in section 507.3 and or section B105.1, alternative safety measures will need to be presented to the fire code official for consideration.

507.3.2 All subdivisions, except those classified as administrative surveys or Minor Plats containing three or less lots, shall have a centralized water supply system to all lots provided by the governmental agency having jurisdiction over the water supply service in the geographic area in which the subdivision is located or by a private business organization licensed and regulated by the Missouri Public Service Commission to provide public water supply service in such geographic area. All water supply mains shall be constructed to meet the minimum fire flows as stated in section 507.3 and B105.1 and be no less than 6 inches in diameter.

507.3.3 Local water supply jurisdictions may require additional hydrants or require hydrants in a plat with fewer than three lots. Fire hydrant requirements that are imposed by the local water supply jurisdiction which are more restrictive will be governed by said jurisdiction and meet their minimum requirements.

507.5.1 Delete

604.6 Testing of emergency lighting equipment: Delete

609.3.5 Existing fire suppression systems not meeting the UL 300 criteria shall be upgraded to UL 300 compliant systems within 90 days from discovery of insufficiency or adequate alternatives shall be provided to the fire code official for consideration.

904.1.1 Certification of service personnel shall include those who install and service water based protection systems and other extinguishing systems. At least one person employed by the company providing the service shall possess either UL or NECET Level 1 certification for the system they are working on.

912.4.1 (add the words) **Locking fire department connection caps:** Fire department connections (FDC) shall be a four (4) inch Storz™ connection and shall utilize a Knox™ locking FDC cap.

1013.2 Floor-level exit signs in group A1, A2, R1: Illuminated exit signs in A1, A2, R-1 use groups shall be placed above exit doors and to the side of exit doors 18 inches from the floor. The floor level exit signs shall be protected by a guard to prevent physical damage. This amendment shall not be retroactive in nature, and shall not apply to structures built before September 13, 2007.

1013.6.2 Exit sign illumination: (add the words) Internally illuminated exit signs shall not use incandescent light bulbs relying upon a filament for the source of illumination. This amendment shall be applicable under the following conditions:

In all new and remodeled construction where illuminated exit signs are required or provided: and when exit signs are replaced or deemed inoperable by the authority having jurisdiction; and where an exit sign is installed in new locations in existing buildings, upon order of the Fire Marshall or said designee.

This provision shall not be retroactive in nature, and shall not apply to structures built before September 13, 2007

1103.4.2 Three to five stories (add exception #5) as follows.

5. Where any structure has previously received a certificate of compliance or a certificate of occupancy, has been maintained accordingly and complies with the following:

- a. Smoke detectors shall be installed in all shafts and corridors, if such exist.
- b. Shaft and corridor smoke detectors shall receive their primary power from the building wiring and when primary power is interrupted, shall receive power from a battery. Wiring shall be permanent and without a disconnecting switch other than those required for over-current protection.
- c. All smoke detectors in shafts and corridors, if such exist, shall be interconnected such that the actuation of one alarm will actuate all alarms in the shafts and corridors.
- d. Existing windows in a sleeping room shall not be eliminated.

3103.2 Approval required. Tents and membrane structures having an area in excess of four hundred (400) square feet (37 m²) shall not be erected, operated or maintained for any purpose without first obtaining a permit from the community development department and inspection from the fire code official.

Exceptions to permit and inspection:

1. Tents used exclusively for recreational camping purposes.

Exceptions to inspections (permit required):

1. Tents which comply with all of the following:
 - 1.1. Individual tents having a maximum size of one thousand (1,000) square feet (92.9 m²) and erected for less than three (3) days.
 - 1.2. The aggregate area of multiple tents placed side by side without a fire break clearance of twelve (12) feet (3,658 mm), not exceeding one thousand (1,000) square feet (92.9 m²) total and erected for less than three (3) days.

3103.8.2 Location. Tents or membrane structures shall not be located within twenty (20) feet (6096 mm) of buildings, other tents or membrane structures, or internal combustion engines for generators. For the purpose of determining required distances, support ropes and guy wires shall be considered as part of the temporary membrane structure or tent.

Exceptions:

1. Membrane structures or tents need not be separated from buildings when all of the following conditions are met:

- 1.1. The aggregate floor area of the membrane structure or tent shall not exceed ten thousand (10,000) square feet (929 m²).
- 1.2. The aggregate floor area of the building and membrane structure or tent shall not exceed the allowable floor area including increases as indicated in the International Building Code.
- 1.3. Required means of egress are provided for both the building and the membrane structure or tent including travel distances.
- 1.4. Fire apparatus access roads are provided in accordance with Section 503.

3103.8.6 Fire break. An unobstructed fire break passageway or fire road not less than twelve (12) feet (3658 mm) wide and free from guy ropes or other obstructions shall be maintained on all sides of all tents and membrane structures where separation is required per Section ~~2403.8.2~~ 3103.8.2 unless otherwise approved by the fire code official.

3103.12.7 Means of egress illumination (add exception):

Exception: Tents used during daylight hours and open on all sides are not required to provide means of egress illumination unless required by the fire code official.

B105.1 One and Two Family Dwellings: The minimum fire flow requirements for one and two family dwellings having a fire area which does not exceed five thousand (5000) square feet shall be five hundred (500) gallons per minute for a minimum of two (2) hours. Where the residence exceeds five thousand (5000) square feet, the fire flow requirements shall be one thousand (1000) gallons per minute for a minimum of two (2) hours. Where the water district authority cannot meet the minimum standards, alternative safety measures will need to be presented to the fire code official for consideration.

B105.2 Buildings other than one- and two-family dwellings: The minimum fire flow and flow duration for buildings other than one and two-family dwelling units shall be one thousand (1,000) gallons per minute for a minimum of two (2) hours. The code official may use table B105.1 and provisions allowed in Appendix B to determine fire flows under special circumstances.

C105.1 Fire Hydrant spacing: Fire hydrants shall have a maximum spacing of 500 feet in all R-S (single family), R-D (duplex) and agricultural zoning districts and 300 feet in all other zoning districts. Fire hydrant spacing for buildings that are required by the 2015 edition of the International Building Code to have a fire flow greater than or equal to six thousand (6,000) gallons per minute shall be regulated by Table C105.1

C105.1.2 Fire hydrant spacing: A fire hydrant capable of flowing a minimum of one thousand (1,000) gallons per minute for a minimum of two hours shall be placed within 100 feet of any fire department connection (FDC). This hydrant shall be placed so that it does not impede access to the building or area by responding fire department equipment.

SECTION 3: This ordinance shall be in full force and effect from and after April 26, 2017.

David Griggs
CHAIRMAN OF THE BOARD OF DIRECTORS

ATTEST TO:

Secretary to the board of directors