

ORDINANCE # 25
AN ORDINANCE ADOPTING THE
FIRE PREVENTION CODE
OF THE
BOLES FIRE PROTECTION DISTRICT
FRANKLIN COUNTY, MISSOURI

WHEREAS, Boles Fire Protection District (“District”) has previously adopted the 2012 International Fire Code (“IFC”), and in addition, adopted other International Codes (“Other Codes,” as that term is further defined in this ordinance), which, in part, related to fire protection and fire suppression, and

WHEREAS, the IFC and Other Codes are, prior to the execution of this new Ordinance, currently referred to collectively as the Fire Prevention Code of the District, and

WHEREAS, since many sections of the Other Code which have been heretofore adopted by the District do not relate to fire prevention, the District Officials have had to delete, as being irrelevant, many sections of Other Codes in previous editions of this Ordinance creating the Fire Prevention Code, in order to make certain said irrelevant sections are not adopted and then interpreted as a code required to be enforced by the District, but the process to delete such irrelevant sections has become increasingly cumbersome as Other Codes have become more sophisticated and comprehensive, and

WHEREAS, the Fire Marshal of the District has requested, and it is the intention of the Board of Directors to adopt the 2015 IFC, and in addition, adopt only those sections of the Other Codes which are specifically referenced in the 2015 IFC, and a number of specific sections of the Other Codes deemed essential for proper administration and fire prevention in the District, which are all relevant to the District’s statutory powers to adopt ordinances to prevent and protect from the danger of fire, as authorized in RsMO Chapter 321, and

WHEREAS, it is the further intention of the Board of Directors that the Fire Prevention Bureau of the District be authorized, under this Ordinance, to enforce the IFC and Relevant Sections (as term is defined in Section 2) of Other Codes which are specifically referenced, by subsections, in the IFC, to be known collectively as the Fire Prevention Code (“or Code”) of the District.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE BOLES FIRE PROTECTION DISTRICT OF FRANKLIN COUNTY AS FOLLOWS:

SECTION 1.

PREAMBLE- PURPOSE OF THIS ORDINACE:

This is an Ordinance governing the design, construction, alteration, enlargement, equipment repair, demolition, removal, conservation, use and maintenance of all buildings and structures, prescribing minimum requirements and conditions to safeguard life, property and public welfare from hazard of fire and explosion, adopting basic fire control measures and regulations conditions which could impede or interfere with emergency duties, known as the Fire Prevention Code, providing penalties for the violation thereof; declaring and establishing fire limits; repealing existing and conflicting ordinances of the Boles Fire Protection District of Franklin County, Missouri and providing for effective date of the Ordinance.

SECTION 2.

ADOPTION OF THE FIRE PRENVENTION CODE:

Certain documents, one original of which of each below-referenced code is on file in the office of the Fire Marshal of the Boles Fire Protection District, being marked and designated as the following:

- a. "The International Fire Code," 2015 (IFC"), and its appendices;
- b. "The International Building Code," 2015 ("IBC"), and its appendices; *
- c. "The International Residential Code," 2015 ("IRC"), and its appendices; *
- d. "The International Property Maintenance Code," 2015 (IPME"), and its appendices; *
- e. "The International Mechanical Code," 2015 ("IMC"), and its appendices; *
- f. "The International Fuel Gas Code," 2015 ("IFGC"), and its appendices; *
- g. "The International Existing Building Code," 2015 ("IEBC"), and its appendices; *
- h. "The National Electric Code," 2014 ("NEC"), and its appendices; *
- i. "The International Urban-Wildland Interface Code," 2015 ("IUWIC"), and its appendices; *
- j. "The National Fire Protection Association Standards" ("NFPA Standards") *

*The codes marked with an asterisk above, 2(b) to 2(j), shall be known and referenced in this Ordinance, collectively, as "Other Codes."

The International Fire Code (IFC) as published by the International Code Council, Inc., and the National Fire Protection Association, and Relevant Sections (as defined herein) of Other Codes are hereby ADOPTED AND DECLARED to be the Fire Prevention Code of the Boles Fire Protection District of Franklin County, Missouri, regulating and governing the safeguarding of life and property from fire and explosion hazards arising from 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, in each and all of the regulations, provisions, penalties, conditions and terms of said Fire Prevention Code on file in the office of the Fire Marshal of the District, are hereby referred to, adopted, and made a part hereof as if fully set forth in this Ordinance, with all insertions, deletions, and changes, if any as prescribed in Section 5 of this Ordinance.

The term “Relevant Sections” shall mean in this Ordinance those sections contained in Other Codes which are specifically referenced in the IFC 2015 by section number, as well as the following sections of the other necessary for proper fire prevention which are listed below and hereby adopted as if fully set forth herein, in accordance with Missouri law;

2b-IBC, Chapters 3-10; Chapter 12 Sections 1205.4, 1205.4.1, 1205.5, 1206, 1208, 1209; Chapter 14, Sections 1406, 1407, 1409, 1410; Chapter 15, Sections 1505, 1507, 1508, 1509, 1511, 1512; Chapter 17, Section 1703, 1704, 1705.14, 1705.14.4, 1705.15, 1705.17; Chapter 21, Sections 2103, 2111, 2112, 2113; Chapter 23, Section 2303.2, 2303.2.4 2303.2.6, 2303.2.7, 2303.2.9, 2304.9.5.3, 2304.10; Chapter 24 Sections 2406.5, 2407, 2409.1, 2409.2.1; Chapter 25 Sections 2502, 2506.2, 2507.2, Table 2508.1; Chapter 26 Section 2603; Chapter 28; Chapter 30; Chapter 31, Section 3103, 3104, 3105, 3106, 3107, 3108, 3111; Chapter 33, Chapter 35 Appendix C, Appendix H.

2c-IRC, Chapter 3, Section R302, Section R315; Chapter 10; Chapter 13, Section M1306; Chapter 14, Section M1414, M1415; Chapter 15, Section M1502; Chapter 18, Section M1805; Chapter 24, Section G2430, G2432, G2433, G2434, G2435, G2439; Chapter 44, and Appendix E, J, M.

2d-IPMC, Section 108, Section 109, Section 404, Section 110, Section 603, Chapter 7

2-e-IMC, Chapter 2, Sections 302.2, 304.6-304.11, 306.1, 306.5, Sections 401.4 401.5, Sections 502.14, 502.19, 504.2, 504.8.4, Section 505, Section 506, Section 507, Section 508, Section 509, Section 602, Section 606, Chapter 8, Chapter 9, Chapter 10, Chapter 15, Appendix A.

2-f IFGC, Section 302.2, Section 303, Section 306, Section 401.5, Section 409,

2-g IEBC, Section 603, 604, 701, 702, 703, 704, 705, 706, 801, 802, 803, 804, 805, 806, 901, 902, 904, 905, 906, , Chapter 10, Chapter 12, Chapter 15 Section 1501.5, Section 1504, Section-1505, Section 1506, Section 1507, Section 1508, Section 1509

2-j NFPA Standards- All now current or future current NFPA Standards shall be referenced and utilized, and incorporated herein, by the Fire Marshal, in the interpretation of sections of the IFC and Other Codes in order to properly enforce this Ordinance.

It is not the purpose or intent of this Ordinance to expand the jurisdiction or inspection powers of the Fire Marshal beyond those specifically referred to in the IFC, 2015, or in Section 5, 6, or 7 as set forth herein.

SECTION 3 REPEAL OF ORDINANCE IN CONFLICT.

All previous ordinances of the Boles Fire Protection District of Franklin County, Missouri, which are in conflict with or contradict this Ordinance are hereby expressly repealed and held for naught.

SECTION 4 JURISDICTIONAL TITLES.

100.1 Wherever “name of jurisdiction” appears in such Code, it shall read “**The Boles Fire Protection District of Franklin County, Missouri**”.

100.2 “Code Official” wherever it may appear shall be defined as the “Fire Marshal” and/or “Fire Chief of the Boles Fire Protection District of Franklin County, Missouri” or his duly authorized representative

SECTION 5 ADDITIONAL REVISIONS, INSERTIONS, DELETIONS AND ADDITIONS OF THE IFC.

Chapter 1 ADMINISTRATION.

F-101.1 Title (Page 1) Delete and insert the following:

These regulations shall be known as the Fire Code of **The Boles Fire Protection District of Franklin County, Missouri** hereinafter referred to as “this code”.

F-102.3 Change of Use or Occupancy (Page 1) Delete existing text and insert the following:

Buildings undergoing a change of occupancy or use shall comply with either Chapters 1 through 33 or Chapter 34 of the International Building Code.

F-103.2 Appointment (Page 2) Delete and insert the following:

The Fire Marshal shall be appointed by the **Board of Directors of Boles Fire Protection District**.

F-103.3 Deputies (Page 2) Delete and insert the following:

In accordance with the prescribed procedures of **Boles Fire Protection District**, the Board of Directors shall have the authority to appoint an assistant to the Fire Marshal or such other persons as may be needed to enforce the ordinances of the district. Such employees shall have powers as delegated by the Fire Marshal.

F-103.3.1 Fire Marshal (Page 2) Insert a new section:

“Anywhere” the text states “building official” or “code official” it shall be understood to mean Fire Marshal, Fire Chief or his designate, unless specifically otherwise stated.

F-104.8 Modifications (Page 3) Delete and insert the following new section:

Wherever there are practical difficulties involved in carrying out the provisions of this code, the Fire Marshal shall have the authority to grant modifications for individual cases, upon application of the owner or owner's representative, provided the fire marshal or his designate shall first find that special individual reason makes the strict letter of this code impractical and the modification is in compliance with the intent and purpose of this code and that such modification does not lessen accessibility, life, and fire safety requirements. The details of action granting modifications shall be recorded and entered in the files of the department of Fire Prevention.

F-104.11.3 Systems and Devices (Page 4) Delete and insert the following:

No person shall render a system or device inoperative during an emergency unless by direction of the Fire Marshal or fire district official in charge of the incident. A vehicle shall not be driven over any unprotected fire hose of the district, without the consent of the Fire Marshal or other officer in command of the operation or area.

F-104.11.4 Compliance with Orders (Page 4) Insert a new sub-section:

A person shall not willfully fail or refuse to comply with any lawful order or direction of the Fire Chief, Fire Marshal, or other Fire Official or interfere with the compliance attempts of another individual.

F-104.11.5 Unlawful Boarding or Tampering with Emergency Equipment (Page 4) Insert the following sub-section:

No person shall, without proper authorization from the Fire Chief or Fire Marshal or other Fire Official in charge of said emergency equipment, cling to, attach himself to, climb upon or into, board or swing upon any emergency vehicle, whether the same is in motion or at rest, or sound the siren, horn, bell or other sound producing device thereon, or manipulate, tamper with, or attempt to manipulate or tamper with any levers, valves, switches, starting devices, brakes, pumps, or any equipment or protective clothing upon or a part of such emergency equipment.

F-104.12 Rule-Making Authority (Page 4) Insert the following new section:

The code official shall have the authority as necessary in the interest of the public health, safety, and general welfare, to adopt and promulgate rules and regulations to interpret and implement the provisions of this code to secure the intent thereof and to designate requirements applicable because of local climate or other conditions. Such rules shall not have the effect of waving structural or fire performance requirements specifically provided for in this code or of violating accepted engineering practice involving public safety.

F-104.12.1 Matters Not Provided For (Page 4) Insert the following new section:

Any requirements that are essential for the structural, fire or sanitary safety of an existing or proposed building or structure, or for the safety of the occupants thereof, which are not specifically provided for by this code, shall be determined by the code official.

F-105.1 Permit Required. (Page 4) Delete and insert the following new section:

Any owner or authorized agent, who intends to construct, enlarge, alter, repair, move, demolish or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert or replace any electrical, gas, mechanical system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the Fire Marshal and obtain the required permit.

F-105.1.2 Types of Permits (Page 5) Delete and add the following:

There shall be two types of permits as follows:

1. Use permit. An operational permit allows the applicant to conduct an operation or a business for which a permit is required by Section F-105.6 for either:
 - 1.1. A prescribed period.
 - 1.2. Until renewed or revoked.
2. Construction permit. A construction permit allows the applicant to install or modify systems and equipment for which a permit is required by Section F-105.6.

F-105.1.6 Annual Permit (Page 5) Delete in its entirety.

F-105.1.6.1 Annual Permit Records (Page 5) Delete in its entirety.

F-105.2 Applications and Permits (Page 5) Delete and insert the following new section:

The Fire Marshal shall receive applications, review construction documents and issue permits for the erection, alteration of a structure, demolition and moving of buildings or structures, display or sale of fireworks, installation of underground or above ground tanks, new subdivision plats, and inspect the premises for which such permits have been issued and enforce compliance with the provisions of this code.

F-105.2.1.1 Work exempt from permit (Page 5) insert the following new section:

Exemptions from permit requirements of this code shall not be deemed to grant authority for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. Permits shall not be required for the following:

Building

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses provided the floor area does not exceed 120 square feet.
2. Temporary motion picture, television and theater stage sets and scenery.
3. Window awnings supported by an exterior wall which do not project more than 54 inches from the exterior wall and does not require additional support of Group R-3, as applicable in Section 101.2 , and Group U occupancies.

4. Non-fixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9 inches (1753 mm) in height.

5. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.

Gas

1. Portable heating appliance.

2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

Mechanical

1. Portable heating appliance.

2. Portable ventilation equipment.

3. Portable cooling unit.

4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by this code.

5. Replacement of any part which does not alter its approval or make it unsafe.

6. Portable evaporative cooler.

7. Self-contained refrigeration system containing 10 pounds or less of refrigerant and actuated by motors of 1 horsepower or less.

F-105.3.1 Expiration (Page 5) Delete and insert the following:

A permit for any proposed work shall expire twelve (12) months after the date of issue for all permits unless such work under said permit has been diligently prosecuted. The Fire Marshal may grant an extension for the completion of said work under such permit, which extension of time shall not exceed one (1) year, provided that an approved framing inspection has been made within the first (1) year after the issuance of a Fire Prevention Building Permit. A permit may be re-issued one (1) time. After the permit has been re-issued one (1) time the applicant must reapply for the permit.

Construction permits shall automatically become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. Before such work recommences, a new permit shall be obtained and the fee to commence work, if any, shall be one-half the amount required for a new permit for such work, provided that changes have not been made and will not be made in the original construction documents for such work, and provided further that such suspension or abandonment has not exceeded one year. Permits are not transferable and any change in occupancy, operation, tenancy or ownership shall require a new permit be issued.

F-105.3.3 Occupancy Prohibited Before Approval (Page 5) Delete in its entirety and insert the following:

Except as specifically provided for temporary occupancy in the building code listed in Chapter 31, a building, structure or portion thereof, shall not be used or occupied in whole or in part until all fire protection devices and equipment protecting the building, structure or portion to be occupied, have been tested and approved by the code official charged with enforcing this code. All portions of the means of egress for the building, structure or portion to be occupied shall be unobstructed and available for immediate use.

F-105.3.5 Placement of Permit (Page 6) Delete in its entirety and insert the following new section:

The Fire Prevention Building Authorization Card shall be kept on site of operation and open to public inspection during the entire period of prosecution of work and until the completion of the same. The card shall be posted in a window, as soon as windows are installed, and the lot number or address, which is on the back of the card, shall face towards the street.

F-105.4.1 Submittal documents (Page 6) Delete in its entirety and insert the following:

The construction documents for new construction, alteration, repairs, expansion, addition or modification for buildings or structures shall be prepared by a registered design professional. All construction documents shall be prepared by the appropriate registered design professional consistent with the professional registration laws of the State of Missouri. The construction documents shall include the name and address of the registered design professional and shall be signed, sealed and dated by the registered design professional in accordance with Section F-105.4.1.

Exception:

1. The nature of the work applied for is such that review of construction documents is not necessary to obtain compliance with this code.

F-105.4.1.2 Application of Seals (Page 6) add the following new section:

When construction documents are submitted, the application of seals and signatures on those documents shall be required as follows:

- a. All construction documents submitted with an application for a building permit shall bear an original embossed or wet ink seal and original signature on the front sheet of each discipline within each set of construction documents; or
- b. The registered design professional for each discipline shall place his original seal and signature upon the cover sheet of each set of construction documents.

All other sheets of the construction documents, other than specifications or calculations, shall bear the original embossed, wet ink or mechanically reproduced seal of the registered design professional. Any addenda or modifications submitted for changes to the construction documents shall also bear an original seal and signature by the registered design professional. Such changes shall be clearly indicated.

F-105.4.2.1.1 Site/Plat Review Plans (Page 6) Insert the following new section:

When a plat for a subdivision, mobile home court, commercial development etc... is submitted for review it shall cover the following items: street design and location, water main sizes, dry hydrants, fire hydrant placement and style, entrance into the development, fire lane requirements, street grades, painting of fire hydrants, street signs, street names, and other items required by this ordinance.

F-105.6.42 Rooftop Heliports (Page 10) Delete in its entirety.

F-105.6.42 Helicopter Hoisting and Lowering Operations (Page 10) Insert the following new sections:

Approval is required for helicopter hoisting and lowering operations in accordance with the following:

The helicopter service or the contractor in charge of a helicopter hoisting or lowering operations shall demonstrate financial responsibility for damages arising from hoisting or lowering operation by providing the code official with proof of insurance or other appropriate financial responsibility. Forty-eight hours notice shall be provided before the hoisting or lowering operation is to begin. Notification shall be made to other jurisdiction agencies as may be required.

F-105.6.42.1 Safety Precautions (Page 10) add a new section and insert the following:

During all helicopter lifting or lowering operations, the following safety precautions shall be followed:

1. The fire and police departments shall approve landing sites, if landings are necessary.
2. All materials or equipment to be lifted shall be brought as close as possible to the building or structure site by road vehicles.
3. The helicopter shall not carry equipment or materials lifted to or lowered from a building or structure over pedestrians, spectators, or other buildings or vehicles.
4. When the operation involves setting or removing equipment or materials from or on an occupied building, the top two (2) floors of the building shall not be occupied by anyone, other than individuals directly involved with operation while hoisting or lifting operation is in process.
5. All flammable or combustible liquids brought to the site for refueling the helicopters shall be stored, used and dispensed in accordance with Chapters 20 and 57 of this code.
6. A fire department safety officer, or fire department safety team, must be present on the site during all helicopter lifting or lowering operations. The safety officer, or safety team, shall terminate the lift if weather conditions or other variables make the operation unsafe.

The safety officer, or safety team, shall be provided radio communications with the helicopter pilot in the event safety conditions mandate evasive actions.

F-105.7.3 Compressed Gases (Page 11) Delete and insert the following:

When the compressed gases in use or storage exceed the amounts listed in Table F-105.6.9, a construction permit is required to install, repair damage to, abandon, remove, place temporarily out of service or close or substantially modify a compressed gas system.

Exceptions:

1. Routine maintenance.
2. For emergency repair work performed on an emergency basis.

The permit applicant shall apply for approval to close storage, use or handling facilities at least 30 days prior to the termination of the storage, use or handling of compressed or liquefied gases. Such application shall include any change or alteration of the facility closure plan filed pursuant to Section F-5001.6.3. The 30-day period is not applicable when approved based on special circumstances requiring such waiver.

F-106.5 Inspections Required and Inspection Placard (Page 12) add a new section:

When work has progressed to a point of having windows, or when the job is an alteration or addition, the placard shall be attached to the available glass in view for recording the balance of inspections required by the Building Code. (Failure to maintain this inspection and identification placard will not relieve the permit holder of responsibility as provided by the Building Code) Upon satisfactory completion of the building structure, the Code Official or his authorized representative will make his final inspection, and if all requirements of the Building Code are met, including compliance with the mechanical, and electrical codes of Boles Fire Protection District, the code official shall remove the job inspection card.

F-106.6 Inspection Sequence and Approval (Page 12) add a new section:

No work shall be done on any part of the building or structure beyond the point indicated in each successive inspection without first obtaining the written approval of the Code Official or his authorized representative. Written approval shall be given only after an inspection has been made of each successive step in the construction and all code requirements or corrections are completed as indicated by each of the inspections required. There shall be a final inspection and approval of all buildings to be completed before occupancy as described in Section 106 of the Fire Code. Failure to obtain a final inspection before occupancy will constitute a violation of the Fire Code, subject to the penalties as described in Section 111.4 of the Fire Code. Structural framework of any part of a building or structure shall not be covered or concealed in any manner without first obtaining the approval of the Code Official. The Code Official, upon notification from the permit holder or his agent, in accordance with rules of procedure posted in the office of the Code Official, and described on the permit placard, shall make the following inspections and shall either approve that section or portion of the construction as completed, or shall notify the permit holder or his agent that he has failed to comply with the law. Minimum numbers of inspections required are as contained in Sections F-106.8 and F-106.9.

F-106.7 Concrete Slab or Under-Floor Inspection (Page 12) add a new section:

Concrete Slab and under-floor inspections shall be made after in-slab or under-floor service equipment, conduit, sprinkler piping or any other equipment as required by the Fire Marshal or designate, but before any concrete is placed or floor sheathing installed, including the sub-floor.

F-106.8 Framing or Rough-In Inspection (Page 12) add a new section:

A framing or rough-in inspection shall be made after all framing, masonry walls, or fireplace vents and chimneys are completed, including the roof structure, fire blocking, wall bracing, sheathing, heating and cooling duct work, or other appurtenances and accessories which may be concealed, and after plumbing, electrical, and fire rough-in inspections have been posted by those inspection departments. No mechanical, electrical or plumbing systems which are to be concealed shall be covered before this inspection has been made and approved by the Code Official.

F-106.9 Supplemental Inspections (Page 12) add a new section:

In addition to the required inspections hereinbefore specified, the Code Official may make other inspections which in his judgment are reasonably necessary due to unusual construction or circumstances. The Code Official shall have the authority to inspect any construction work to verify compliance with the Building and Fire Code and to properly enforce the rules promulgated by this Code.

F-106.10 Lath or Gypsum Board Inspection (Page 12) add a new section:

All Gypsum board that is used for a rated assembly shall be inspected before each additional layer is installed or as directed by the Fire Marshal or designate.

F-106.11 Final Inspection (Page 12) add a new section:

The final inspection shall be made after all work required on the fire prevention building permit is completed.

F-106.12 Certificate Issued (Page 12) add a new section:

After the Fire Marshal or designate inspects the building or structure and finds no violation of the provisions of this code or other laws that are enforced by the fire prevention office, the Fire Marshal shall issue a certificate of occupancy.

BOARD OF APPEALS Sections F-108.1 through F-108.3 (Page 13) Delete in its entirety.
Insert:

F 108.1 APPEALS (Page 13) Insert the following:

An owner, lessee, agent, operator of occupant aggrieved by an order by the Fire Marshal may present an appeal to the **Board of Directors** within ten (10) days from the service of such order and the Board of Directors shall fix a time and place when and where such appeal may be heard. Such appeal shall stay the execution of such order until it has been heard and reviewed, vacated, or confirmed. The Board of Directors shall at such hearing affirm, modify, revoke, or vacate such order. Unless revoked or vacated, such order shall then be enforced. Nothing herein contained shall be deemed to deny the right of any person, firm, corporation, or voluntary association to appeal from an order or a decision of the **Board of Directors** to a court of competent jurisdiction. Such appeal shall stay the execution of such order until it has been heard and reviewed, vacated or confirmed.

F-109.4 Violation Penalties (Page 13) Delete and insert the following:

Any person who shall violate a provision of the code or who shall fail to comply with any of the requirements thereof or shall erect, construct, install, alter or repair a building or structure in violation of an approved plan or directive of the Fire Marshal or of a permit or certificate issued under the provision of the code shall be deemed guilty of a misdemeanor punishable by a fine of not less than five dollars (\$5.00) nor more than one thousand dollars (\$1,000.00), or imprisonment in the County Jail for a period not to exceed one (1) year, or both. Each day that the condition continues shall be considered a separate violation. The imposition of any such penalty for any violation shall not excuse the same, nor prevent the District or Fire Marshal from taking such other actions as may be appropriate.

F-109.4.1 Unlawful Continuance (Page 13) Delete and insert the following section:

Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe conditions, shall be liable to penalties as specified in Section F-109.4 of this Ordinance.

F-109.5 Civil Action (Page 13) add a new section:

Notwithstanding the provisions hereof, the Code Official, with the approval of the Board of Directors, may cause to be instituted in the name of the District, a civil action for injunction or other appropriate relief to secure a compliance with the provisions of this Code. Injunctive or other appropriate relief shall not be denied on the grounds that an adequate remedy at law exists through the imposition of criminal sanctions.

F-110.1 General (Page 13) Delete and insert the following:

If during an inspection of a premises, building, structure, any building system, or existing equipment that are hereafter become unsafe, or deficient because of inadequate means of egress from the facilities, or which constitute a fire hazard or are otherwise dangerous to human life, safety or health, or the public welfare, or which involve illegal or improper occupancy or

inadequate maintenance, shall be disassembled and/or removed or made safe, as the Fire Marshal or designate deems necessary and as provided for in this section. A vacant structure that is not secured against entry shall be deemed unsafe.

F-111.4 Failure to Comply (Page 14) Delete and insert the following:

Any person who shall violate a provision of the code or who shall fail to comply with any of the requirements thereof or shall erect, construct, install, alter or repair a building or structure in violation of an approved plan or directive of the Fire Marshal or of a permit or certificate issued under the provision of the code shall be deemed guilty of a misdemeanor punishable by a fine of not less than five dollars (\$5.00) nor more than one thousand dollars (\$1,000.00), or imprisonment in the County Jail for a period not to exceed one (1) year, or both. Each day that the condition continues shall be considered a separate violation. The imposition of any such penalty for any violation shall not excuse the same, nor prevent the District or Fire Marshal from taking such other actions as may be appropriate.

F-113.2 Schedule of Permit Fees (Page 14) Delete and insert the following:

The permit fee for all work done in the Boles Fire Protection District shall be as shown on Table F-113.2.

F-113.3 Inspection and Permit Fees (Page 14) Insert the following new section:

The following is the schedule of fees that are required to be paid before a Fire Prevention Permit can be issued.

Table F-113.2

	Permit Type	Permit Fee
01	Air Curtain Destructor	\$150.00
02	Blasting Permit for 180 Days	\$75.00
03	Bonfires	No Charge
04	Building Plan Reviews	\$50.00
05	Burn Permits	No Charge
06	Commercial Building Permits See F-113.2.3	\$75.00 for the first \$2,000.00 or less, For each addition \$1,000.00 add \$2.50 per thousand dollars on estimated construction cost.
07	Cooking Hood & Suppression Systems	\$150.00
08	Demolition of a Building	\$75.00
09	Fire Places & Wood Stoves	\$50.00
10	Fireworks Shows	One Year \$400.00 6 Months \$200.00
11	Fireworks Tents /Stands Permanent Buildings/ Stands	Temporary Tent/Stands \$1.50 per sq. ft. Permanent Building/ Stands \$500.00 per year
12	Miscellaneous Inspections	\$25.00 AHJ Discretion
13	Permit Renewals	Commercial-50% of original not to Exceed \$500.00 Residential-50% of original not to Exceed \$100.00
14	Occupancy / Use Permit See F-113.2.4	\$35.00 for first 10,000 sq. feet plus \$1.00 for each additional one thousand square feet or fraction thereof
15	Occupying a Building or Structure without a Permit	Double the Permit Fee
16	Refunds	50% of the Permit Fee
17	Re-inspections see F-113.2.5	\$25.00
18	Request for a Variance or Appeals	\$100.00
19	Residential Permits (Two Family Dwelling and Accessory Buildings) See F-113.2.2	\$40.00 for the first \$2,000.00 or less For each additional \$1,000.00 add \$1.50 per thousand on estimated construction cost
20	Signs (32 sq. foot or larger)	\$25.00
21	Solar Panels	\$150.00
22	Special Permits	\$75.00
23	Sprinkler Systems	\$75.00 for the first \$2,000.00 or less, For each addition \$1,000.00 add \$2.50 per thousand dollars on estimated construction cost.
24	Storage of Explosives	\$150.00 per Year, per Location
25	Subdivision Plot Reviews	Large Plot (20 homes or more) \$75.00 Small Plot (20 homes or less) \$25.00
26	Tents or Membrane Structures	\$35.00 for each Structure 100 sq. foot or Larger with the Exception to Camping Tents
27	Fire Alarm Systems	\$75.00 for the first \$2,000.00 or less, For each addition \$1,000.00 add \$2.50 per thousand dollars on estimated construction cost.
28	Work Commencing without a permit from the Boles Fire Protection District	Double Permit Fee

F-113.2.1 Calculating Fees (Page 14) add a new section:

Fees are figured by the construction cost. This cost is based on the figures obtained from the received from the International Code Council.

F-113.2.2 Residential Building Permit (Page 14) add a new section:

(Which includes two family dwelling and accessory buildings thereof): a minimum fee of forty dollars (\$40.00) shall be charged for each and every residential building permit with estimated residential construction cost of \$2,000.00 or less, and an additional fee of one dollar and fifty cent (\$1.50) for each additional one thousand dollars (\$1,000.00) of estimated residential construction cost.

F-113.2.3 Commercial Building Permits (Page 14) add a new section:

(Which includes all other construction not within the definition of residential building permits): a minimum fee of seventy-five dollars (\$75.00) shall be paid for the estimated commercial construction cost of two thousand dollars (\$2,000.00) or less, and two dollars and fifty cent (\$2.50) for each additional one thousand dollars (\$1,000.00) of estimated commercial construction cost.

F-113.2.4 Commercial Occupancy Permits (Page 14) add a new section:

\$35.00 for the first ten thousand (10,000) square feet, plus one dollar (\$1.00) for each additional one thousand square feet or fraction thereof.

F-113.2.5 Re-Inspections (Page 14) add a new section:

At any time in which an inspection fails to meet the requirements of the code, a re-inspection fee shall be charged in the amount of \$25.00. This fee may be waived at the discretion of the Fire Marshal.

F-113.2.6 Work Commencing Before Permits Issuance (Page 14) add a new section:

Any person, Firm, or Corporation who commences any work on a Building or Structure, or occupies a building or structure before obtaining the necessary permits shall be subject to a supplemental fee established by the Fire Marshal that shall be in addition to the required permit fees.

F-113.2.7 Revocation (Page 14) add a new section:

The certificate of Use and Occupancy shall always be subject to this Code. Non-compliance with the regulations of this Code shall be deemed a violation subject to the penalties set forth herein, and in addition the Code Official shall be empowered to revoke the occupancy permit, or permits, issued for the building in question, until such time as the violations are corrected. All costs involved in this procedure shall be addressed against the owner. The issuance of any occupancy permit shall not relieve the owner or tenant from compliance with all regulations of this Code and other applicable regulations.

F-113.2.8 Certificate Required (Page 14) add a new section:

Failure of the owner or tenant of a building to obtain the certificate of occupancy and to pay the fees set forth shall be deemed a violation. Said owner or tenant shall be subject to the penalties prescribed in Section F-109.4 of this ordinance.

F-113.2.9 Fee Required (Page 14) insert the following:

The fee for a Certificate of Occupancy shall be as stated in Table 113.2.

Chapter 2 Definitions

F-202 General Definitions (Page 15)

Air Curtain Destructor (Page 15) add the following definition:

- **Air Curtain Destructor:** Special equipment used to burn large amounts of brush with little or no air pollution. The term Air Curtain Destructor is abbreviated in this code as “ACD”.

Change of Occupancy (Page 15) delete and add the following definition:

- **Change of Occupancy:** A change in the use, purpose, operation or level of activity within a structure; also, a change in the ownership of a structure or the occupant thereof. For example, in the case of a partnership, the addition or deletion of a partner in the partnership that owns or occupies a structure shall constitute a change of occupancy; in the case of a corporation, a change in the ownership of the shares of stock of the corporation that owns or occupies a structure shall constitute a change in occupancy.

Start of Construction (Page 44) add the following definition:

The placing of slabs, piers, runners, footings or other materials, including lumber for the purpose of erecting, altering, repairing, or adding, for new or existing structures shall be defined as the start of construction.

Chapter 3 General Requirements

F-307 Open Burning and Recreational Fires (Page 50) Delete in its entire and insert the following sections:

F-307.1 General (Page 50) Delete in its entirety and insert the following new section:

No person shall cause or allow open burning unless approved in accordance with the Fire Prevention Code of the Boles Fire Protection District.

F-307.2 Allowable Burning: (Page 51) Delete and insert the following:

Open Burning shall be permitted without prior notification to the Fire Marshal’s Office, for highway safety flares, smudge pots, similar occupational requirements, barbecuing, and like activities.

F-307.3 Permit Required: (Page 51) Delete and insert the following:

Open burning shall be permitted, upon obtaining a burning permit from the Fire Marshal's Office, for recognized civil and or cultural events, range or wildlife management practices, prevention or control of disease and pests, land clearing, destruction debris, providing heat for outdoor workers, recreational bonfires, and Air Curtain Destructors (ACD).

F-307.3.1 Application for Burning Permit: (Page 51) Insert the following new section:

An Application for a Burning Permit shall contain the following information: the name of person burning, address, and location of burning, telephone number, date the permits expires, authorized signature and signature of responsible party. Application for an ACD permit must be accompanied with a permit from the **Department of Natural Resources**.

F-307.3.2 Authorization: (Page 51) Insert the following new section: (This Area for Class)

Open burning shall be permitted after proper authorization is given by the Fire Marshal or his designate. Special permission must be given by the Environmental Protection Agency (EPA)/Department of Natural Resources (DNR), and the Department of Conservation provided that any conditions specified in the permit are as follows:

1. Disposal of Hazardous or Toxic material where the EPA/DNR determines that there is no practical alternative method of disposal.
2. Instruction in methods of fire fighting or for research in control of fires, in emergency or other extraordinary circumstances for any purpose determined to be necessary by EPA/DNR.
3. Disposal of landscape waste except residential and agricultural waste.
4. Recognized agricultural or horticultural management purposes to maintain or increase the quantity or quality of agricultural or horticultural production.

Where the jurisdictional EPA or DNR written permission is not applicable, the Fire Marshal shall give written permission provided that approved fire safety requirements are observed.

Any land owner wanting to do a managed burn will need to attend a class put on by the Department of Conservation. A copy of the certificate of completion will need to be submitted at the time of the permit request.

F-307.3.2.1 Extinguishment Authority (Page 51) insert the following:

When open burning creates or adds to hazardous situation, or a required permit for open burning has not been obtained, the fire marshal or his designee is authorized to order the extinguishment of the open burning operation.

F-307.4 Open Burning Prohibited: (Page 51) Delete and insert the following:

The Fire Marshal shall prohibit open burning that will be offensive or objectionable due to smoke or odor emissions when atmospheric conditions or local circumstances make such fires hazardous. The Fire Marshal shall order the extinguishment, by the permit holder or the Fire Protection District, of any open burning when the wind speed is 10 miles per hour or higher and

when the humidity is 50 percent or lower, or when the burning creates or adds to a hazardous or objectionable situation.

Exception: Prescribed burning for the purpose of reducing the impact of wildland fire when authorized by the Fire Marshal.

F-307.4.3 Portable Outdoor Fireplaces (Page 51) Delete and its entirety and insert the following:

Portable outdoor fireplaces shall be used in accordance with the manufacturer's instructions and shall not be operated within 15 feet (3048mm) of a structure of combustible material. Portable outdoor fireplaces shall not be used for burning trash, rubbish, or food waste.

F-307.5 Permit Fees: (Page 51) Delete in its entirety and insert the following new section:

All permit fees shall be paid to the Boles Fire Protection District of Franklin County, Missouri provided by Section F-113.2, Table F-113.2 "Fees of the District" in this Ordinance.

F-307.6 Location: (Page 51) Insert the following new section:

The location for any open burning shall not be less than fifty (50) feet from a structure, and provisions shall be made to prevent the fire from spreading to within fifty (50) feet of a structure. Fires in approved containers shall be permitted, provided that such fires are not closer than fifty (50) feet to any structure.

F-307.7 Materials: (Page 51) Insert the following new section:

Open burning shall not be utilized for waste disposal purposes, or for the following materials; household trash, rubber, tires, shingles, vinyl siding, treated lumber, or any other petroleum based products. The fuel shall be chosen to minimize the generation of air contaminants.

F-307.8 Attendance: (Page 51) Insert the following new section:

Any open burning shall be constantly attended until the fire is extinguished. A minimum of One (1) Portable Fire Extinguisher with a minimum 4-A rating, Two (2) Portable Fire Extinguishers with a minimum of 2-A rating each, or other approved on-site Fire Extinguishing Equipment, such as dirt, sand, water barrel, garden hose or water truck, shall be available for immediate utilization in the event of an emergency.

F-307.9 Duration of Burning: (Page 47) Insert the following new section:

All burning operations shall be from the hours of 10:00 am to 4:00 p.m.

F-307.10 Season: (Page 51) Insert the following new section:

The burning season shall exist from September 16 through April 14 of each year. Burning season can be extended only if approved by the Department of Natural Resources (DNR)

F-307.11 Recreational Bonfire Size: (Page 51) Insert the following new section:

A Bonfire shall not be more than four (4) feet by (4) feet by four (4) feet in height. The maximum size of a recreational bonfire shall not be increased unless the bonfire is determined to meet other safety requirements to permit such increase.

F-307.11.1 Duration of Bonfire: (Page 51) Insert the following new section:

The duration of a bonfire shall be no greater than six (6) hours.

F-307.11.2 Location: (Page 51) Insert the following new section:

The location for any recreational bonfire shall be no less than twenty five (25) feet from a structure, and provisions shall be made to prevent the fire from spreading to within ten (10) feet of a structure. A fire in an approved container shall be permitted, provided that such fire is not less than twenty-five (25) feet from any structure.

F-307.11.3 Material: (Page 51) Insert the following new section:

Fuel for a bonfire shall consist only of untreated wood and may be ignited with a small quantity of paper. The fire shall not be utilized for waste disposal purposes.

F-307.12 Permits: (Page 51) Insert the following new section:

Before a permit can be issued for an ACD (Air Curtain Destructor) a copy of the permit must be submitted from the Department of Natural Resources. All rules noted on the permit must be followed along with the regulations issued by the Department of Natural Resources.

F-307.12.1 Burning Location for ACD'S: (Page 51) Insert the following new section:

The pit should not be any closer than 200 feet from any structure.

F-307.12.2 Pits for Air Curtain Destructor (ACD): (Page 51) Insert the following new section:

The pit dimensions shall be a maximum of eight (8) feet to ten (10) feet in width. The length shall be the same as the blower. Both ends must be blocked off square. The ACD must be angled properly (airflow directed downward at an approximate thirty (30) degree angle while operating). The material being burned shall not be loaded into the pit above the Height of the Airflow. Each pit must be inspected by the Fire Marshal's Office before any burning may occur.

F-307.12.3 Materials: (Page 51) Insert the following new section:

ACD's shall not be utilized for waste disposal purposes, or disposal of the following materials: household trash, rubber, tires, shingles, vinyl siding, treated lumber, leaves and cedar trees or any material as determined by the Fire Marshal. The fuel shall be chosen to minimize the generation of air contaminants.

F-307.12.4 Closing of Burn Pit: (Page 51) Insert the following new section:

Not later than 4:00 p.m. the burn pit must be covered with a minimum of two (2) feet of fill and packed with heavy equipment being utilized with the burning operation until smoke is no longer visible.

F-307.13 Open-Flame Cooking Devices/Outdoor Wood Burning Appliances: (Page 51) Insert the following new section:

Charcoal burners, other open flame cooking devices and outdoor wood burning appliances, shall not be operated on combustible balconies or within 10 feet of combustible construction.

Exception:

1. One and two family dwellings.
2. Where building and decks are protected by an automatic sprinkler system.

F-307.13.1 Liquefied-Petroleum-Gas – Fueled Cooking Devices: (Page 51) insert the following new section:

LP-gas burners (barbecued grills) shall not be located on combustible balconies or within 10 feet of combustible construction.

Exception:

1. One and two family dwellings.

F-308.1.6.3 Sky Lanterns (Page 52) Delete in its entirety and insert the following new section:

No person shall release or cause to be released a sky lantern or other type of unmanned device that relies on an open flame to heat the air inside the device in order to make the device airborne.

F-309.7 Fork Lifts (Page 53) Insert a new sub-section:

Forklifts powered by a liquid fuel or LP gas are not allowed to be used within a strip center that is occupied by more than one tenant unless approved by the fire official.

F-316.6.3 Firefighter Assist Plans (Page 56) Insert the following new section:

An approved pictographic display (sign, drawing or wall marking) shall be posted within all enclosed stairways at each floor landing in all new and existing multi-story buildings. Individual displays, or signs shall show the floor level number where the graphic is displayed, the configuration of exit access corridors including all door openings, exit stairways, elevators, exterior building walls, fire alarm pull stations, fire hoses and sprinkler valves. The sign shall be located 5 feet above the floor landing in a position that is readily visible when the doors are in the open or closed positions.

Chapter 4 Emergency Planning and Preparedness

F-408.0 Faulty Alarms: (Page 67) Insert a new section:

F-408.1 Definitions: (Page 67) Insert the following new section:

1. **Alarm Systems:** Any mechanical or electrical device, which is designed to be actuated manually or automatically upon the detection of fire or smoke in the protected building, structure, facility, or premises thorough the emission of a sound or transmission of a signal or message.
2. **False Alarm:** Any activation of an alarm system intentionally or by inadvertence, negligence, or unintentional act to which the Fire Protection District responds, including activation caused by the malfunction of the alarm system, except that the following shall not be considered false alarms.
 - When the Fire Marshal determines that the alarm has been caused by the malfunction of the indicators at the alarm-dispatching agency.
 - When the Fire Marshal determines that the alarm has been caused by damage, testing, or repairs of the telephone equipment or lines by the telephone company, provided that such incidents are promptly reported to the telephone company.
 - When an alarm is intentionally caused by an occupant or resident acting under a reasonable belief that a need exists to call the Fire Protection District.

F-408.2 Condition (Page 67) Insert the following new section:

No person, corporation, firm or other entity owning or occupying any premises within the boundaries of the Boles Fire Protection District, in or on which premises are installed an automatic fire alarm, fire detection, or sprinkler system shall transmit false alarms to any alarm dispatching agency.

F-408.2.1 Tampering (Page 67) Insert the following new section:

It shall be unlawful for any owner or occupant to reduce the effectiveness of the protection so required or so installed; except that the owner or occupant may temporarily reduce or discontinue the protection where necessary to make a test, repairs, alterations, or additions. The owner or occupant shall notify the Fire Marshal prior to such test, repairs, alterations, or additions are to be effected and upon completion of the work, the owner or occupant shall notify the Fire Marshall of the extent of any such work or additional requirements.

F-408.2.2 Notification to District When Out of Service (Page 67) Insert the following new section:

Whenever an alarm is to be out of service for repairs, it shall be the owner's or occupant's responsibility to determine that the serviceman performing such repairs has notified the Boles Fire Protection District of the pending shut-off prior to such action. When an alarm system has Central Station Supervision, the owner or occupant shall have the responsibility to notify the company providing such service of the action.

F-408.2.3 Penalty for Failure to Notify (Page 67) Insert the following new section:

Failure to notify the alarm dispatching organization or the Boles Fire Protection District of a system shut-off and the repairs which result in unnecessary alarm being transmitted to the Boles Fire Protection District, will subject the owner or occupant to a fine of One Hundred Dollars (\$100.00) for each false alarm, in addition to any other penalties this Ordinance may provide.

F-408.3 System in Disrepair (Page 67) Insert the following new section:

Should any such alarm system transmit a false alarm to the Boles Fire Protection District, either directly or through a central dispatching agency, or should inspection of any such alarm system by any officer of the Boles Fire Protection District reveal a condition such that the system is likely to transmit a false alarm, the owner or occupant of the premises shall take such remedial action as is necessary, and shall make or cause to be made such adjustments and repairs to the alarm system as the Fire Marshal shall order. An order by the Fire Marshal for repairs shall be completed within twenty-four (24) hours after such order has been given.

F-408.4 Service Charges (Page 67) Insert the following new section:

All false alarms to which the Fire Protection District responds shall result in the following service charges to the owner or occupant of the facility in which the alarm system is installed.

F-408.4.1 First False Alarm (Page 67) Insert the following new section:

A warning could be issued for the first false alarm in any continuous twelve-month period.

F-408.4.2 Second False Alarm (Page 67) Insert the following new section:

Twenty-five dollars (\$25.00) service charge for the second false alarm in any continuous twelve-month period.

F-408.4.3 Third False Alarm (Page 67) Insert the following new section:

A Fifty dollar (\$50.00) service charge for the third and any subsequent false alarms in any continuous twelve-month period.

F-408.4 Payment (Page 67) Insert the following new section:

Upon determination by the Fire Marshal that a false alarm has occurred, the Boles Fire Protection District shall send a notice of the determination to the alarm user directing the payment of the appropriate service charge, if any, within thirty (30) days.

F-408.5 Cancellation (Page 67) Insert the following new section:

The Boles Fire Protection District may cancel any notice or service charge upon satisfactory proof by the alarm user that a particular alarm incident falls within the exceptions enumerated in the foregoing sections.

F-408.6 Refusal (Page 67) Insert the following new section:

Willful refusal to pay any such charge within thirty (30) days on notice shall constitute a violation of this Ordinance.

F-408.7 Twelve (12) Month - No False Alarms (Page 67) Insert the following new section:

If the owner or occupant of a building continues through a twelve (12) month period without a faulty or false alarm, the owner shall begin at a new faulty or false alarm signal period.

F-408.8 New Systems (Page 67) Insert the following new section:

Newly installed systems shall have Sixty (60) days from the date of system installation to correct any problems that may activate a faulty or false alarm signal.

F-408.9 Multiple Fire Alarm Systems in one Complex or Building (Page 67) Insert the following new section:

If more than one fire alarm system is required or installed in a Complex or Building, the owners or tenants shall use one single alarm system. The location of the main fire alarm shall be in a location approved by the Fire Marshal.

Chapter 5 Fire Service Features

F-503.1.1 Building and Facilities (Page 69) Delete exceptions and insert the following:

Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road shall comply with the requirements of this section and shall extend to within 150 feet (45 720 mm) of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility.

F-503.1.2.1 Fire Lane (Page 69) Insert a new sub-section:

The Fire Marshal in his discretion based on the structure and type of occupancy may require up to a thirty (30) foot wide surface.

F-503.2.3 Surface (Page 70) Delete and insert the following:

Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus and shall be surfaced so as to provide all-weather driving capabilities. This access road must be constructed to carry a minimum load of 75,000 Gross Vehicle Weight. Further requirements found in D102.1.

F-503.2.5 Dead-ends (Page 70) Delete and insert the following:

Dead-end fire apparatus access roads in excess of 150 feet in length shall be provided with an approved area for turning around fire apparatus as required in Figure D103.1 and Table D103.4.

F-503.2.6.1 Load Limits (Page 70) Insert a new paragraph:

Bridges or elevated surfaces must be capable of carrying loads of 75,000 GVW.

F-503.2.7 Grade (Page 70) Delete and insert the following:

The grade of the fire apparatus access road shall not be steeper than 12 percent or less as established by the fire official based on the fire departments apparatus and local authority.

F-503.2.7.1 Turning Radius (Page 70) Insert a new section:

The minimum turn radius shall be 50 feet from center of the circle. The turning radius can be reduced with the approval of the Fire Marshal in some use groups but no less than 40 feet from the center of the circle with no parking signs posted.

F-503.3 Marking (Page 70) Delete and insert the following:

F-503.3 Parking on Fire Apparatus Access Roads (Page 70) Insert a new sub-section:

Parking on Fire apparatus access roads shall be allowed as follows:

1. Fire apparatus roads less than 18 feet 11 inches in width, parking is not allowed on either side of the street.
2. Fire apparatus roads 19 feet to 34 feet 11 inches in width, parking on one side of the street.
3. Fire Apparatus roads 35 feet or greater in width parking allowed on both sides.
4. Fire Apparatus roads and driveways exceeding five hundred (500) feet in length there shall be provided at least one (1) passing or staging area at a location approved by the Fire Marshal. The size of which shall be a minimum of twenty (20) feet in width and forty (40) feet in length. For every additional one thousand (1000) feet of road/driveway from the five hundred (500) feet passing area there shall be an additional passing area.

F-503.3.1 Signs (Page 70) Insert a new sub-section:

Where required by the Fire Marshal, fire apparatus access roads (Fire Lanes) shall be marked with permanent **NO PARKING – FIRE LANE** signs complying with Figure D103.6. Signs shall have a minimum dimension of 12 inches wide by 18 inches high and have red letters on a white reflective background. Signs shall be posted on one or both sides of the fire apparatus road (Fire Lane) as required in the following.

1. Fire apparatus roads less than 20 feet in width signs are required on both sides of the street.
2. Fire apparatus roads 20 feet to 34 feet 11 inches in width signs required on one side of street.
3. Fire apparatus roads 35 feet or greater in width signs are not required.

F-503.3.2 Location of Signs (Page 70) Insert a new sub-section:

NO PARKING – FIRE LANE Signs shall be located as follows:

1. On the side property line or in the road easement as approved by the fire official.
2. 300 feet spacing between signs or as directed by the fire official.
3. Signs must be mounted on an eight (8) foot post buried in the ground a minimum of two (2) feet.
4. Signs must face towards the traffic. Where the signs are required to change the side of the street there posted on, as required by the Fire Marshal, signs with arrows shall be added showing the starting and stopping of the fire lane.
5. Signs shall be located on the side of the street that fire hydrants are located.

F-503.3.3 Sign Maintenance (Page 70) Insert a new sub-section:

All fire lanes signs and markings shall be maintained in a clear and legible condition. This is the responsibility of the property owner or subdivision governing body.

F-503.4 Obstruction Of Streets Or Fire Apparatus Roads (Page 70) Delete and insert the following:

A person or persons shall not erect, construct, place or maintain any bumps, fences, gates, chains, bars, pipes, wood or metal horses or any other obstructions in or on any street, within the boundaries of the Boles Fire Protection District. The word street, as used in the ordinance, shall mean any roadway accessible to the public for vehicular traffic, including, but not limited to, private streets or access lanes, as well as all public streets and highways within the boundaries of the Boles Fire Protection District without the approval of the Fire Chief or the Directors of the Boles Fire Protection District.

F-503.4.2 Attended Vehicles (Page 70) Insert a new sub-section:

Where a person is discovered placing a vehicle in a fire lane in contravention of these ordinances, that person shall be the responsible party for such violation.

F-503.4.3 Unattended Vehicles (Page 70) Insert a new sub-section:

Where an unattended vehicle is discovered in a Fire Lane contravention of these ordinances; the registered owner of said unattended vehicle shall be responsible party for such violation. An unattended vehicle in a Fire Lane may be ticketed or may be towed from the Fire Lane at owners' expense.

F-503.5 Required Gates and Barricades (Page 70) Delete in its entirety and insert the following:

The Board of Directors of the Boles Fire Protection District must approval all proposals for gates and or barricade devises obstructing all public or private roads, public or private streets, and or fire service access roads. All proposals must meet the following criteria:

1. **Plans:** Plans, including a plat drawing showing the subdivision, must be filed with the Fire Marshal's office showing:
 - a. The location of the gate(s) to be installed;
 - b. The type of gate(s) to be installed;
 - c. Specifications for motor and quick release;
 - d. Location of the rapid entry switch;
 - e. All entrances to the gated community;
 - f. Type and location of power source.
2. **Set Back:** The gate shall be set at a minimum of 40 feet from the edge of a cross street from which the gated street is accessed.
 - i. Definition:
 - Cross Street: A road that intersects or connects with another road.
3. **Width of Gate:** If one gate is used, the gate must open the full width of the required street or road width. If two (2) gates are used, each gate must open a minimum width of 12 feet or the full width of the street or road if the street or road is less than twenty-four (24) feet in width.
4. **Gate(s):**
 - a. Only the following types of gates shall be approved:
 - i. Gates that swing open horizontally in the direction of vehicle travel;
 - ii. Gates that slide open in a perpendicular to the direction to vehicle travel.
 - b. Gate(s) shall be powered by electricity from the local utility company or by solar power.
 - c. If power is lost to the gate, the gate must be capable of opening with a battery backup system or manually and must be locked in the open position until the power is restored. Any type of battery backup system must be kept fully charged.
 - d. Gate(s) must be equipped with a rapid entry switch, which is approved by the Fire Marshal. The switch must be installed per the manufacturer's and directions and at the direction of the Fire Marshal. If a key is required it shall meet the Boles Fire protection District KNOX Box master key system.
 - e. Gate(s) must be opened with a quick release system that allows the gate(s) to be opened manually.

- f. The area of the fire apparatus access road measuring sixty (40) feet in both directions from the gate shall be designated as a fire lane and marked by signs in conformity with this code.
 - g. If the gate is found in a non-working condition it shall be locked in the open position.
 - h. Entrance gate(s) must be equipped with a siren-activated opener (SOS). This opener must open the by either electronic or mechanical (“Q”) siren.
 - i. A gate opened by a siren-opener (SOS) must remain in the open position for at least (15) MINUTES.
5. **Inclement Weather:** The gate(s) shall be kept open at all times when the fire apparatus access road is covered with snow or ice.
6. **Trustees or Property Management Company:** Property owners and or subdivision governing body to which a gate or barricade would be installed shall provide the district with written notification of any change of trustees or a property Management Company within ten (10) days of any such change.
7. **Inspections:** Authorized service provider must perform a yearly inspection. The subdivision or property Management Company has the responsibility to schedule and ensure completion of this inspection. This inspection must cover all moving parts of the gate(s), power supply, electric and or electronic controls, battery backup, and the general workings of the gate(s). A written copy of the inspection must be submitted to the Fire Marshal within ten (10) days of the inspection. The Fire Marshal shall make a semi-annual inspection.
8. **Petition:** A petition signed by all property owners and spouses must be presented with each application. Each signature must be accompanied by the individual’s legibly printed name and address. Each Page of the petition must state the following: “I agree with gate(s) being installed at all entrances of the subdivision; I understand that when the gate(s) is installed the fire department response can be lengthened by an extended period of time. I further agree not to hold any emergency service responder including but not limited to the Boles Fire Protection District, ambulance district, or law enforcement agency and personnel responsible for damages to persons or property due to additional response time. This agreement shall be considered a covenant running with the land.

F-503.5.1 Secured Gates and Barricades (Page 70) Delete in its entirety.

F-503.5.1.2 Gated Communities (Page 70) Insert a new sub-section:

Gated communities are allowed only after the following items have been met and approved by the **Board of Directors** of Boles Fire Protection District.

- 1. The subdivision streets do not connect with any other subdivision either by roadways or through an easement giving access to other streets or undeveloped land.

2. In an existing subdivision a petition stating: “I agree with a gate being installed at the entrance to all the streets to the subdivision, I understand that when this gate is installed the fire district response can be lengthened by as much as two additional minutes. I further will not hold the fire district responsible for loss of life or property due to the additional response time.” Must be signed by 100% of all residents within the subdivision.
3. **Plans:** Plans, including a plat drawing showing the subdivision, must be filed with the Fire Marshal’s office showing:
 - a. The location of the gate(s) to be installed;
 - b. The type of gate(s) to be installed;
 - c. Specifications for motor and quick release;
 - d. Location of the rapid entry switch;
 - e. All entrances to the gated community;
 - f. Type and location of power source.
4. **Set Back:** The gate shall be set at a minimum of 40 feet from the edge of a cross street from which the gated street is accessed.
 - i. Definition:
 1. Cross Street: A road that intersects or connects with another road.
5. **Width of Gate:** If one gate is used, the gate must open the full width of the required street or road width. If two (2) gates are used, each gate must open a minimum width of 12 feet or the full width of the street or road if the street or road is less than twenty-four (24) feet in width.
6. **Gate(s):**
 - a. Only the following types of gates shall be approved:
 - i. Gates that swing open horizontally in the direction of vehicle travel;
 - ii. Gates that slide open in a perpendicular to the direction to vehicle travel.
 - b. Gate(s) shall be powered by electricity from the local utility company or by solar power.
 - c. If power is lost to the gate, the gate must be capable of opening with a battery backup system or manually and must be locked in the open position until the power is restored. Any type of battery backup system must be kept fully charged.

- d. Gate(s) must be equipped with a rapid entry switch, which is approved by the Fire Marshal. The switch must be installed per the manufacturer's and directions and at the direction of the Fire Marshal. If a key is required it shall meet the Boles Fire protection District KNOX Box master key system.
- e. Gate(s) must be opened with a quick release system that allows the gate(s) to be opened manually.
- f. The area of the fire apparatus access road measuring sixty (40) feet in both directions from the gate shall be designated as a fire lane and marked by signs in conformity with this code.
- g. If the gate is found in a non-working condition it shall be locked in the open position.
- h. Entrance gate(s) must be equipped with a siren-activated opener (SOS). This opener must open the by either electronic or mechanical ("Q") siren.
- i. A gate opened by a siren-opener (SOS) must remain in the open position for at least (15) MINUTES.

F-503.6 Security Gates (Page 70) Delete in its entirety Also refer to F-503.5 & F503.5.1.2

F-503.7 Driveway (Page 70) Insert the following new section:

Any driveway that leads to one (1) or more dwelling units, that exceeds five hundred (500) feet in length, shall meet the approval of the Fire Marshal. Also see Section 7 of Ordinance # 25 Urban Wildland Interface Code.

F-503.8 Round-a-bout (Page 64) Insert a new section.

The Boles Fire Protection District firmly asserts that it is necessary to respond to all Fire Suppression, emergency medical and rescue service calls within an immediate, rapid and timely manner, and to answer all of said emergency calls without being impeded, obstructed or blocked by traffic within the boundaries of said District to comply with Statutory Regulations of Chapter 321 R.S.Mo.

That any and all new and creative designs by the State of Missouri by and through the State highway Department, Franklin County by the Franklin County Highway Department, any other jurisdiction, devolvement, or subdivision within said District must be designed so as to permit emergency fire suppression, medical and rescue service vehicles to transcend the highway, bi-ways and streets of the District in order to achieve a rapid and immediate response.

Round-a-bouts for the control of traffic for intersecting streets must have certain minimum standards in order to facilitate and accommodate the District's vehicles:

- 1. 110 foot inscribed diameter (outside);
- 2. 20' feet circulating roadway (one lane);
- 3. 8' foot truck aprons;

4. 54' foot central island diameter (27' radius);
5. No pedestrians, fixed object, fountains or sight distance obstructions are permitted in the center island;
6. 14' foot approach width pavement for both entry/exit lanes on both sides of island;
7. Control signs and pavement marking as per MUTED standards;
8. 15' foot entry throat width;
9. 50' foot separation to pedestrian crossing;

F-504.3.1 Roof Access (Page 70) Insert a new sub-section:

All structures with mechanical equipment on the roof must have a ladder access or stairway to the roof. The base of the ladder or stairs must begin at the level of walking surfaces. Hinged guards may be installed and locked in place, over the ladder for security reasons.

F-505 Premises Identification (Page 70) Delete in its entirety and Insert the following:

Approved numbers or addresses shall be provided for new and existing buildings in such a position as to be clearly visible and legible from the street or roadway fronting the property.

F-505.1 Residential Property (Page 70) Insert a new section:

A Residential Building shall be clearly marked with its Numerical Address. Minimum Height is three (3) inches. Written and or Script Type Numbers are prohibited Color of numbers must be contrasting to exterior of the building. No Gold, Silver, or Brass numbers are acceptable. Numbers must be permanently affixed. No stick-on or Velcro numbers accepted. Numbers must be located either over the garage door or within six (6) feet of the front door. If not visible from the street, the address must be posted next to the street by the driveway on a post not less than four (4) feet high and low enough to be read by a person of average height, or as approved by the Fire Marshal.

F-505.1.1 Address identification –remote exits (Page 70) Insert the following new section:

Address identification shall be provided at all remote exit doors in all occupancies.

Exception: Detached structures constructed in accordance with the *International Residential Code*.

F-505.2 Commercial Property (Page 71) Insert a new section:

Commercial Buildings shall be clearly marked with their Numerical Address. Location and Type of Numbers shall be approved by the Fire Marshal. Minimum Height of Numbers shall be four (4) to six (6) inches or larger. All Commercial Building access doors shall also be clearly marked with the address numbers on the rear doors. Script and/or written type numbers shall not be accepted. No Gold, Silver, or Brass numbers accepted. Stick-on numbers are allowed when installed on glass.

F- 505.3 Street Address Number Signs-Remote Exit (Page 71) Insert a new section:

In addition to the street address number sign required by Section 505, additional street address number signs shall be provided at all remote exit doors in occupancies of all Use Groups.

Exception: Detached structures of Use Group R-3.

F-505.4 New Construction (Page 71) Insert a new section:

Street address number signs shall be installed on all new structures of all Use Groups. Street address number signs shall be installed prior to the final inspection and issuance of the certificate of occupancy.

Exception: Builders of detached structures of Use Group R-3 shall be permitted to provide the purchaser with a copy of these requirements and new owner shall install the required street address number sign within fifteen (15) days of occupancy.

F-505.5 Remodel or Renovations (Page 71) Insert a new section:

Street address number signs shall be installed on existing structures of all Use Groups at any time the structure is increased in height or area when any alteration, modification or remodeling costing more than One Thousand Dollars (\$1,000.00) is made to such existing structure.

F-505.6 Existing Structures (Page 71) Insert a new section:

Street address number signs shall be installed on all existing structures of all Use Groups within fifteen (15) days of written notification by the Fire Official. Notification shall be accomplished either personally or by United States Mail certified or registered mail with the returned receipt requested to the real property owner and/ or occupant, or their agent, or by posting such notice upon the premises.

F-505.7 Re-occupancy (Page 71) Insert a new section:

Street address number signs shall be installed on all existing structures of all Use Groups upon re-occupancy of any such existing structure and after proper notification to the Boles Fire Protection District of Franklin County, Missouri.

Exception: Buildings of Use Groups R-2 and R-3.

F-505.8 Street Name (Page 71) Insert a new sub-section:

Before any private or dedicated street can be named, the Fire Marshal shall be notified of the proposed name, and approved by the Fire Marshal.

F-505.9 Street Name Signs (Page 71) Insert a new sub-section:

All street name signs shall be installed prior to the beginning of construction of structures.

F-505.10 Address identification – remote exits (Page 71) Insert a new sub-section

Address identification shall be provided at all remote exit doors in all occupancies.

Exception: Detached structures constructed in accordance with the *International Residential Code*.

F-506.1 Knox-Boxes and Rapid Entry Systems (Page 71) Delete in its entirety and Insert the following new section:

Where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life-saving or fire-fighting purposes, the Fire Marshal or designate is authorized to require a Knox Box that is to be installed in an accessible location. The Knox Box shall be of an approved type and shall contain keys to gain access as required by the Fire Marshal.

F-506.1.1 Cost: (Page 71) Insert the following new section:

The cost of purchase, installation and maintenance of the Knox-Box Security System shall be the responsibility of the owner or occupant.

F-506.1.2 Key Boxes for nonstandardized fire service elevator keys (Page 71) Insert the following new section:

Key boxes provided for nonstandardized fire service elevator keys shall comply with section 506.1 and all of the following:

1. The key box shall be compatible with an existing rapid entry key box system in use in the jurisdiction and approved by the fire code official.
2. The front cover shall be permanently labeled with the words “Fire Department Use Only—Elevator Keys.”
3. The key box shall be mounted at each elevator bank at the lobby nearest to the lowest level of fire department access.
4. The key box shall be mounted 5 feet 6 inches (1676 mm) above the finished floor to the right side of the elevator bank.
5. Contents of the key box are limited to fire service elevator keys. Additional elevator access tools, keys and information pertinent to emergency planning or elevator access shall be permitted when authorized by the fire code official.
6. In buildings with two or more elevator banks, a single key box shall be permitted to be used when such elevator banks are separated by not more than 30 feet (9144 mm). Additional key boxes shall be provided for each individual elevator or elevator bank separated by more than 30 feet (9144 mm).

Exception: A single key box shall be permitted to be located adjacent to a fire command center or the non-standard fire service elevator key shall be permitted to be secured in a key box used for other purposes and located in accordance with Section 506.1.

F-506.1.3 Requirements: (Page 71) Insert the following new section:

All owners of such buildings as set out in this section shall provide a Knox Box for ingress of the Boles Fire Protection District.

F-506.1.4 Use Groups: (Page 71) Insert the following new section:

Buildings in all use groups shall be equipped with a Knox-Box. In Group R-3 only if a central alarm system is installed. All gates blocking fire department access shall be equipped with Knox Locks or system.

F-506.1.5 Size: (Page 71) Insert the following new section:

All owners shall install a Knox-Box of adequate size so that all keys needed to gain access to the exterior and interior designated areas (such areas designated for common use and/or all service equipment area) shall be accessible at all times to the Boles Fire Protection District. The owner shall clearly mark all keys within the Lock-Box and shall indicate doors to which such keys belong. In the event that more than one (1) key is within the Lock-Box system, the owner designating the door location and corresponding key tag must provide a floor plan. All tags, marking systems, location, and size of lock-box, shall be at the discretion of and with the approval of the Fire Marshal.

F-506.1.6 Installation: (Page 71) Insert the following new section:

The owner of said building shall install the Knox-Box system as directed in the following:

1. **Recessed mount:** This type of box shall be installed a minimum of 4 to 5 feet above finished grade.
2. **Surfaced mount:** This type of box shall be installed a minimum of 4 to 5 feet above finished grade.
3. **Key Switch:** This switch shall be located as approved by the Fire Marshal.
4. **Residential Box:** This type of box shall be mounted at a location close to the front door or mounted on the front door as approved by the Fire Marshal. This box shall only be used on a residential property.
5. **Fire Department Alert Decal:** One decal shall be mounted on each exterior door in the corner of the glass or on the doorframe as directed by the Fire Marshal.

F-506.1.7 Key Changes: (Page 71) Insert the following new section:

The owner of said building shall be responsible for any key changes and additions to the plan or plat filed with the Fire Protection District, and it shall be the responsibility of the owner to notify the Fire Marshal, in writing, of any changes or additions required in Knox Box.

F-506.1.8 Records: (Page 71) Insert the following new section:

The Fire Marshal of the Boles Fire Protection District, shall keep and maintain records, in his sole and exclusive possession, regarding the location of such Lock-Box keys, except in the case

of an emergency situation, any officer of the Boles Fire Protection District shall be authorized and empowered to keep and maintain or use said records of Knox-Box keys to open the necessary Knox-Box's.

F-506.1.9 Voluntary Participation in the Lock-Box Security Program: (Page 71) Insert the following new section:

In the event of any owner of buildings within the Boles Fire Protection District, not specifically required to install a Knox-Box system, is desirous of installing such system, such owner may submit a written request to the Fire Marshal of the Boles Fire Protection District to participate in such security systems set out above. Upon review of such request and acceptance of same by the Fire Marshal, such owner shall comply fully with all the provisions of this Ordinance.

F-507.5.1.1 Hydrant for fire department connections (Page 72) Delete in its entirety and insert the following:

A fire hydrant shall be located within 100 feet of the fire department connection.

Exception: The distance shall be permitted to be greater than 100 feet when approved by the fire marshal.

F-507.5.5 Clear Space around hydrants (Page 72) Delete in its entirety

F-507.5.5 Clear Space around hydrants (Page 72) Insert the following new section:

There shall be no obstructions, planting, bushes, trees, signs, light standards, etc. within six (6) feet of any fire hydrant in all directions.

F-507.6 Public Fire Hydrants (Page 72) Insert the following new section:

Fire hydrants installed shall be located and installed as directed by the Fire Official of the Boles Fire Protection District. All hydrants shall conform to the standards of the Boles Fire Protection District. No fire hydrant shall be installed on a water main less than four inches in diameter. A hydrant installed on 2" main shall be used for flushing purposes only, and shall be color-coded black on the bonnet.

F-507.6.1 Applicability (Page 72) Insert the following new section:

Notwithstanding anything to the contrary herein below stated, Section F-507 of this ordinance shall apply only where a public water supply is available. If public water is not available see the Boles Fire Protection District Section 7 of Ordinance # 25 Urban Wildland Interface Code.

F-507.6.2 New Structures (Page 72) Insert the following new section:

No person shall commence construction of any new structure, or building, or addition to any structure or building, or new subdivision, within or upon any real property within the district, unless such person shall first have submitted to the Fire Official a plat or drawing of the property whereon such building, structure, new subdivision, or addition is located, which plat or drawing has indicated thereon the nearest existing fire hydrant, and if there are no existing fire hydrants within such a distance as approved by the Fire Official, then the proposed location of installation

of a new fire hydrant or hydrants. The number of fire hydrants to be installed if any shall be installed on no less than a six inch (6") water main. Further, public water systems shall be installed at the commencement of construction and no such construction shall be commenced until the aforementioned plans and specifications are complied with entirely, with such determination of compliance to be in the sole discretion of the Code Official.

F-507.6.3 Installation of Other New Fire Hydrants (Page 72) Insert the following new section:

No person shall install or have installed any fire hydrant within the District, unless the manner of installation and location thereof, the design and type of hydrant, including but not limited to the threads and outlets thereof, shall first have been approved by the Code Official.

F-507.6.4 New Subdivisions (Page 72) Insert the following new section:

No person shall commence construction of any new building or structure of any kind in any subdivision within the District, unless such person shall have first submitted to the Code Official a plot of the aforesaid subdivision, indicating the proposed installation of the fire hydrants within such subdivision, and unless the installation and locations proposed for such fire hydrants, and the number of hydrants, shall be approved by the Code Official. Further, no such construction shall be commenced unless the aforementioned plans and proposals are complied with completely, with such compliance being in the sole discretion of the Code Official.

F-507.6.5 Access (Page 72) Insert the following new section:

The commencement of construction of any new subdivision, building, structure, new subdivision, or addition, within the District, shall signify the permission by such person for entry upon such property by the water company, or other water supplier, for the single purpose of installation of any such fire hydrant and water main leading thereto, and further signify permission for the District and members of its staff and equipment to gain access to any fire hydrant, which may be located upon any such subdivision.

F-507.6.6 Building Permits (Page 72) Insert the following new section:

The Fire Official of the District shall not approve nor issue building permits for the construction of any new subdivision or new building or structure or addition, so long as the owner thereof shall fail to provide for fire hydrants or to permit access to any land of any subdivision according to the specifications of this section enumerated herein and no such construction of any building shall be commenced before said permit is duly issued by the Code Official.

F-507.6.7 Exceptions/Variance (Page 72) Insert the following new section:

If the installation of a fire hydrant is not reasonable and practicable, the applicant may apply to the Board of Directors for an exemption. In determining whether or not the installation of a fire hydrant is reasonable and practicable, many factors are considered including, but not limited to, the degree of fire hazard to the building site and those occupying the building site, the cost of installation of the fire hydrant and the number of individuals who would share the benefits of the fire hydrant. If under the circumstances, the Fire Official determines that the installation of a fire hydrant is not reasonable and practicable, the Fire Marshal shall issue a building permit conditioned upon the applicant otherwise complying with this code and encumbering the land of

the proposed building site with covenant to install a fire hydrant at the time when the installation of a fire hydrant would be reasonable and practicable, with such a time to be designated by the Fire Official. On the application of any person, the Board of Directors of the District may grant exception to the requirements of this section for hydrant installations, where there is no water supply reasonably available for the installations of hydrants.

F-507.6.8 Existing Building and Structures (Page 72) Insert the following new section:

Upon inspection of any building or structure within the District, and if the Fire Marshal of the District shall find it necessary that a fire hydrant be installed, and that there is an available water supply upon which can be mounted one or more fire hydrants, then the Fire Marshal may hand deliver, or send by mail, notice to the owner of any such building or structure, specifying a time within which the owner shall install one or more fire hydrants, as the Fire Marshal may determine are necessary for adequate fire fighting and fire safety. If the owner shall fail to cause such installation to begin within thirty (30) days following the receipt of such notice, or if the owner shall cause or shall permit such installation to be delayed or shall not proceed with said installation with due diligence in the installation of any and all fire hydrants as ordered by the Fire Official, then the Fire Marshal may revoke the occupancy and use permits of such building or structure until such fire hydrant(s) are installed and in proper working order. Such revocation shall be in the sole discretion of the Fire Marshal. Upon application of any owner, the Board of Directors of the District may extend time for completion of installation of any hydrant(s), upon proof by the owner that the proper installation of any and all fire hydrants will be faithfully executed.

F-507.6.9 Fire Hydrant Placement (Page 72) Insert the following new sections:

Hydrants shall be placed and color-coded as follows:

F-507.6.10 Color Coding Of Public and Private Fire Hydrants (Page 72) Insert the following new section:

All public and private fire hydrant barrels are to be painted yellow. All fire hydrant bonnets are to be painted as follows:

COLOR	WATER GPM
Blue	1500 or greater
Green	1000 to 1499
Orange	500 to 999
Red	Less than 500

F-507.6.11 Fire Hydrant Spacing (Page 72) Insert the following new section:

Spacing of fire hydrants along a public way shall be regulated by the use group classification of the development that abuts the existing and/or proposed public way.

F-507.6.12 Single Family Residential (Page 72) Insert the following new section:

In use groups R-3 and R-4 single-family residential developments, fire hydrant spacing shall not exceed six hundred (600) feet, hydrant to hydrant, or as special site conditions may require in the sole discretion of the Fire Official. (Local conditions may be such that this distance may vary as much as 100 feet in either direction.)

F-507.6.13 Multi-Family Residential (Page 72) Insert the following new section:

In use groups R-2 multi-family residential developments, fire hydrant spacing shall not exceed four hundred (400) feet, hydrant to hydrant, or as special site conditions may require in the sole discretion of the Fire Official. (Local conditions may be such that this distance may vary as much as 100 feet in either direction.)

F-507.6.14 High Hazard Development (Page 72) Insert the following new section:

In use group H, high hazard developments, fire hydrant spacing shall not exceed three hundred (300) feet, hydrant to hydrant, or as special site conditions may require in the sole discretion of the Fire Official. (Local conditions may be such that this distance may vary as much as 100 feet in either direction.)

F-507.6.15 Other Use Groups (Page 72) Insert the following new section:

In all other groups, fire hydrant spacing shall not exceed four hundred (400) feet, hydrant to hydrant, or as special site conditions may dictate in the sole discretion of the Fire Official. (Local conditions may be such that this distance may vary as much as 100 feet in either direction.)

F-507.6.16 Areas to Be Provided With Fire Hydrants (Page 72) Insert the following new section:

Fire hydrant and water mains shall be placed along the full length of the property to be developed that abuts an existing and/or a proposed improved public way. Variances may be required by the water agency because of water quality considerations.

F-507.6.17 Fire Hydrant Spacing (Page 72) Insert the following new section:

Spacing of fire hydrants along a public way shall be regulated by the use group classification of the development that abuts the existing and/or proposed public way.

F-507.6.18 Private Fire Hydrants (Page 72) Insert the following new section:

Where a development, other than use group R-3 or R-4, is greater than one hundred fifty (150) feet from an existing and/or proposed improved public way, measured along the drivable access, additional private fire hydrants shall be required on said developed property, private street,

and/or parking lots, at a spacing between fire hydrants as required by that use group as set forth herein above.

F-507.6.19 No Parking Area At Fire Hydrant (Page 72) Insert the following new section:

Where fire hydrants are required to be installed in areas where vehicles would be parked or standing, said vehicle parking shall be restricted for ten (10) feet in each direction from the fire hydrant to the center of the public or private passageway.

F-507.6.20 Unacceptable Locations For Fire Hydrants (Page 72) Insert the following new section:

The following locations for hydrants are not acceptable:

- A. Within twenty-five feet (25') of an intersection or cross street
- B. Within a cul-de-sac, eye-brow or within fifty feet (50') of either such construction; and,
- C. At any location where the fire hydrant could be damaged by vehicular traffic.
- D. All fire hydrants shall be set back from the curb or edge of the payment no further than twelve (12) feet.

F-507.6.21 Required Locations (Page 72) Insert the following new section:

A fire hydrant must be placed within 100 feet of the entrance of a subdivision. All fire hydrants must be located on the side property line or as permitted by the Fire Official.

F-507.6.22 Minimum Fire Flow - Single Hydrant (Page 72) Insert the following new section:

The minimum fire flow from a single fire hydrant in any Use Group except R-3 shall be fifteen hundred (1500) gallons per minute at twenty (20) psi residual pressure unless the new hydrant is ordered on a pre-existing main. Any R-3 use groups shall have a minimum of 1,000 gallons per minute at 20 psi residual pressure.

F-507.6.23 Minimum Fire Flow - Next Two Hydrants (Page 72) Insert the following new section:

The minimum fire flow from the next two fire hydrants in any Use Group except R-3 shall be a cumulative fifteen hundred (1500) gallons per minute at twenty (20) psi residual pressure. Any R-3 use groups shall have a minimum of 1,000 gallons per minute at 20 psi residual pressure.

Exception: Detached buildings of Use Groups R-3 and R-4.

F-507.6.24 Fire Hydrant Connection Height (Page 72) Insert the following new section:

Fire hydrant shall be installed a minimum of fourteen inches (14") and a maximum of thirty-six inches (36") above finished grade, measured from the center of the steamer connection.

F-507.6.25 Fire Hydrant Type (Page 72) Insert the following new section:

All fire hydrants shall be approved by the American Water Works Association (AWWA) and/or water district having jurisdiction and the discretion of the Fire Official.

F-507.6.26 Relocation of Fire Hydrants (Page 72) Insert the following new section:

Relocation of fire hydrants requested by property owner and/or developer shall be relocated within the sole discretion of the Fire Official.

F-507.6.27 Water Flow Test of Fire Hydrants (Page 72) Insert the following new section:

Water flow tests shall be conducted between the hours of 9:00 am and 2:00 pm, Monday through Friday by the fire chief, fire marshal, or fire official when available.

F-509.4.1.1 Separation and Protection (Page 109) Insert the following new section to Table 509:

Any storage areas more than 100 sq. ft. (10x10) in a business occupancy shall have a 1 hour rated fire barrier or an automatic sprinkler.

Chapter 6 Building Services and Systems

F-605.11.1.1.1 Emergency Solar Panel Disconnect Switch (Page 82) Insert the following new section:

An emergency DC UL approved disconnect switch shall be installed near the main disconnect switch that shuts down all DC power coming from the solar panels. This switch shall disconnect all DC cables from the voltage source and facilitates firefighting without an electric hazard. A weather proof sign shall be placed near the emergency switch. The signage and the location of the switch shall be approved by the Fire Marshal.

F-607.1.1 Elevator emergency operations testing (Page 86) Insert the following new section:

All elevators that are equipped with emergency elevator operations in accordance with ASMEvA17.1 listed in Chapter 80 shall be tested at least once a year in all phases of emergency functions. An approved elevator service company shall conduct the test and submit all test papers to the Boles Fire Protection District Fire Marshal Office.

F- 607.1.2 Elevator Location Recall on a Fire Alarm: (Page 86) Insert the following new section:

When any fire or suppression system alarm is activated in a newly constructed or remodeled building, the elevator shall report to the main exit floor level or the alternate floor and open.

F-609.5 Makeup Air (Page 89) Insert the following new section:

Makeup air shall be supplied during the operations of commercial kitchen exhaust systems that are provided for commercial food heat-processing appliances. The amount of makeup air supplied shall be approximately equal to the amount of exhaust air. The makeup air shall not reduce the effectiveness of the exhaust system. Makeup air shall be provided by gravity or

mechanical means or both. The make-up air shall automatically shut off at the time of discharge of the fire extinguishing systems.

Chapter 7 Fire and Smoke Protection Features

F-703.1.4 Roof Covering (Page 91) Insert the following new section:

Where an existing roof is being covered with materials forming an attic or new attic, the old roof covering materials and /or steel decking shall be removed as approved by the Fire Marshal.

F-703.1.5 Carport and Garage Separations (Page 91) Insert the following new section:

Separations shall comply with the following:

1. The private garage shall be separated from the dwelling unit and its attic area by means of a type X gypsum board, not less than 5/8 inch (15.9 mm) Type X in thickness, applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than a 5/8-inch (15.9 mm) Type X gypsum board or equivalent. A 5/8-inch (15.9 mm) Type X gypsum board must also be applied to structures supporting the separation from habitable rooms above the garage. Drywall seams along walls must be taped with nail heads covered. Garage door supports and brackets must be installed over the drywall. Door openings between a private garage and the dwelling unit shall be equipped with either solid wood doors solid or honeycomb core steel doors not less than 1 and 3/8 inches (34.9 mm) in thickness, or by a door otherwise in compliance with Section 716.5.3 with a fire protection rating of not less than 20 minutes. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Doors shall be self-closing and self-latching.
2. Ducts in a private garage and ducts penetrating the walls or ceilings separating the dwelling unit, including its attic area, from the garage shall be constructed of sheet steel of not less than 0.019 inches (0.48 mm), in thickness, and shall have no openings into the garage.
3. A carport that is entirely open on two or more sides on a Group R-3 and U, shall have a one hour separation between the residence from floor to roof line.
4. The area of floor used for parking of automobiles or other vehicles shall be slopped to facilitate the movement of liquids to drain towards the main vehicle entry doorway.

Chapter 8 Interior Finish, Decorative Materials and Furnishings

F-806.1.1 Restricted Occupancies (Page 99) Delete and insert the following:

Natural cut trees shall be prohibited in all occupancies except R-3 Use Groups.

Chapter 9 Fire Protection Systems

F-901.6.2 Records (Page 104) Delete in its entirety and insert the following new section:

Records of all system inspections, test, and maintenance required by the referenced standards shall be maintained on the premises for a minimum of three (3) years or for the required testing frequency if greater than three (3) years and shall be made available to the code official upon

request. Accurate logs shall be maintained indicating the number, location and type of device tested. Any defect, modification or repair shall be logged. A copy of all testing papers shall be sent to the Boles Fire Protection District Fire Marshal's office upon request.

F-903.2.8 Group R (Page 108) State of Missouri Sprinkler Option:

The builder of a one or two family dwelling or townhouse within the District shall offer to any purchaser, on or before the time of entering into the purchase contract, the option, at the purchaser's cost, to install or equip fire sprinklers in the dwelling or townhouse, No purchaser of a one or two family dwelling shall be denied the right to choose or to decline to install a fire sprinkler system in such dwelling or townhouse being purchased. The provisions of this section shall expire on December 31, 2019.

F-903.2.8.3.2 Attics not used for living purpose, storage or fuel-fired equipment: (Page 108) Delete and insert the following new section:

Attics not used for living purpose, storage or fuel-fired equipment shall be protected throughout with an automatic sprinkler system installed in accordance with section 903.3.1.2.

F-903.3.1.2.1.2 Concealed Areas (Page 111) Insert the following new section:

Concealed spaces, attics, and similar enclosures, wholly or partly by exposed combustible construction shall be protected by an automatic sprinkler system in accordance with NFPA 13-99. Section 5-1-1. with the following exceptions

1. Spaces fire blocked in accordance with Section B-717.
2. Spaces draft stopped in accordance with Section B-717.
3. Flat roofs with solid joint construction provided the joist form and approved draft stop.

F-903.3.7.1 No parking Areas at Fire Department Connections (Page 111) Insert the following new section:

When fire department connections are located in an area where vehicles may be parked or standing, said parking or standing shall be restricted for ten (10) feet in each direction from the fire department connection.

F-903.4.1 Monitoring (Page 112) Delete in its entirety and insert the following

Alarm, supervisory and trouble signals shall be distinctly different and shall be automatically transmitted to an approved supervising station. All systems shall be sent to the Central Station with point of contact information.

Exceptions:

1. Underground key or hub valves in roadway boxes provided by the municipality or public utility are not required to be monitored.
2. Backflow prevention device test valves located in limited area sprinkler system supply piping shall be locked in the open position. In occupancies required to be equipped with a

fire alarm system, the backflow preventer valves shall be electrically supervised by a tamper switch installed in accordance with NFPA 72 and separately annunciated.

Supervisory service is not required for automatic sprinkler systems in one- and two-family dwellings.

F-903.4.1.1 Signals (Page 112) Insert the following new section:

Alarm, supervisory and trouble signals shall be distinctly different and shall be automatically transmitted to an approved central station as defined in NFPA 72.

F-903.4.2.1 Fire Suppression Systems (Page 112) Insert the following new section:

All automatic fire suppression system control valves and automatic fire suppression system flow alarms shall be supervised by one of the following methods:

Approved central station, approved proprietary system, or approved remote-station system in accordance with NFPA 72 listed in Chapter 80.

Exceptions:

1. Underground gate valves and roadway boxes.
2. Halogenated extinguishing systems that are not an integral part of a required automatic fire suppression system.
3. Carbon dioxide extinguishing systems that are not an integral part of a required fire suppression system.
4. Dry and Wet chemical extinguishing systems unless a fire alarm is in the building.
5. Limited area sprinkler systems

F-903.5.1 Water Flow Tests (Page 112) Insert the following new section:

Water flow tests for automatic sprinkler systems shall be conducted between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday. Tests shall be within the last twelve (12) months.

F-903.5.2 Water Flow Safety Factor (Page 112) Insert the following new section:

A safety factor shall be applied to all flow tests for automatic sprinkler systems. A parallel curve shall be drawn to the actual flow test curve that has been reduced by 20% of the static pressure. An automatic sprinkler system design shall not exceed the 20% curve.

F-903.7 Post Indicator Valves (Page 112) Insert the following new section:

All sprinkler systems, except limited area sprinkler systems, shall have installed an approved post indicator valve that shall control the water supply to all automatic fire sprinkler systems in the building.

F-903.8 Sprinkler Riser Locations (Page 112) Insert the following new section:

All automatic sprinkler risers shall be accessible without having to enter a residential space. All automatic sprinkler risers' locations shall be approved by the fire marshal.

F-904.2.2.1 Stove Top Protection (Page 112) Add a new section and insert the following:

Any type of permanently installed stove top with burners, being used in a commercial building, shall be protected with an automatic fire-extinguishing system.

F-904.14.1 Acceptance Tests (Page 116) Insert the following new section:

All alternative automatic fire extinguishing systems shall be tested in accordance with this section. A complete system shall be tested by a discharge of expellant gas through the piping and nozzles. Observations for gas leakage and for continuity of piping with free unobstructed flow shall be made. Observations shall be made of the flow of expellant gas through all nozzles. The identification of devices with proper designations and instructions shall be checked. All dry-chemical and wet-chemical extinguishing systems shall also be tested by a discharge of the approved testing agent or extinguishing agent as per the manufacturer of the system. Discharge quantities shall be in accordance with the manufacture's installation information manual. After testing, all piping and nozzles shall be blown clean using compressed air or nitrogen, and the system shall be properly charged and placed in the normal "set" condition.

F-904.14.2 Safety Requirements (Page 116) Add a new section insert the following:

Where persons will be exposed to an alternative automatic fire extinguishing system discharge, warning signs and discharge alarms and lights shall be provided. The 5"x7" sign shall be red background with white letters. The sign shall be able to be washable so the occupants can remove any grease or dirt without damaging the sign.

F-905.12 Secondary Water Supply (Page 118) Add a new section insert the following:

In addition to the main water supply a secondary on site water supply equal to the hydraulically calculated sprinkler design demand plus 100 gallons per minute (0.0063 m³/s) additional for the total standpipe system shall be provided. This supply shall have a duration of 30 minutes.

F-907.1.4 Device Labeling (Page 121) Insert the following new section:

The loop and device address shall be placed on each addressable device or module in an approved manner.

F-907.2.1 Group A (Page 121) Delete in its entirety and insert the following new section:

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies where the occupant load due to the assembly occupancy is 49 or more. Group A occupancies not separated from one another in accordance with Section 707.3.10 of the International Building Code shall be considered as a single occupancy for the purposes of applying this section. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

F-907.2.1.1.1 Group A Automatic Smoke Detection System (Page 121) Add a new section insert the following:

An automatic smoke detection system shall be installed in all A Occupancy with a total occupant load of more than 50. The system shall meet all of the requirements of Section 907.

F-907.2.2 Group B (Page 121) Delete in its entirety and insert the following:

A manual fire alarm system shall be installed in Group B occupancies where one of the following conditions exists:

1. The combined Group B occupant load of all floors is 500 or more.
2. The Group B occupant load is more than 100 persons above or below the lowest level of exit discharge.
3. The fire area contains an ambulatory care facility.

F- 907.2.2.1 Ambulatory care facilities (Page 121) Delete in its entirety and insert the following new section:

Fire areas containing ambulatory care facilities shall be provided with an electronically supervised automatic smoke detection system installed within the ambulatory care facility and in public use areas outside of tenant spaces, including public corridors and elevator lobbies.

F-907.2.3 Group E (Page 121) Delete in its entirety and insert the following new section:

A manual fire alarm system that initiates the occupant notification signal utilizing an emergency voice/alarm communication system meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall be installed in Group E occupancies. When automatic sprinkler systems or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system.

Exceptions:

1. Emergency voice/alarm communication systems meeting the requirements of section 907.5.2.2 and installed in accordance with section 907.6 shall not be required in Group E occupancies with occupant loads of 100 or less, provided that activation of the manual fire alarm system initiates an *approved* occupant notification signal in accordance with section 907.5.

F-907.2.4 Group F (Page 122) Delete in its entirety and insert the following new section.

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group F occupancies where both of the following conditions exist:

1. The Group F occupancy is two or more stories in height; and
2. The Group F occupancy has a combined occupant load of 500 or more above or below the lowest level of exit discharge.

907.2.6.1 Group I-1 (Page 122) Delete in its entirety and insert the following new section.

An automatic smoke detection system shall be installed in corridors, waiting areas open to corridors and habitable spaces other than sleeping units and kitchens. The system shall be activated in accordance with Section 907.5.

Exceptions:

1. Smoke detection is not required for open exterior balconies.

F-907.2.7 Group M (Page 123) Delete in its entirety and insert the following new section:

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group M occupancies where one of the following conditions exists:

1. The combined Group M occupant load of all floors is 500 or more persons.
2. The Group M occupant load is more than 100 persons above or below the lowest level of exit discharge.

Exceptions:

1. A manual fire alarm system is not required in covered or open mall buildings complying with Section 402 of the International Building Code.

F-907.2.8.1 Manual fire alarm system (Page 123) Delete in its entirety and insert the following new section

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed and monitored in all Group R-1 occupancies.

F-907.2.11.2 Groups R-2, R-3, R-4 and I-1 (Page 225) Delete in its entirety and insert the following:

Single or multiple-station smoke alarms shall be installed and maintained in Groups R-2, R-3, R-4 and I-1 regardless of occupant load at all of the following locations:

1. On the ceiling or wall outside of each separate sleeping area in the immediate vicinity but no more than within ten (10) feet of each bedroom door.
2. Within each room used for sleeping purposes. Where sleeping rooms ceilings slope is greater than one (1) foot rise in eight (8) foot rise horizontal, the upper edge of the smoke detector shall be located within (3) three feet of the highest point of the ceiling.
3. In each story within a dwelling unit including basements and cellars but not including crawl spaces and uninhabitable attics.
4. Additional smoke alarms may be required by the Fire Marshal or designate, due to additional walls or ventilation systems being added.

When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner the actuation of one alarm will activate all of the alarms in the individual unit. The alarm shall be clearly audible in all

bedrooms over background noise levels with all intervening doors closed. All smoke alarms shall be listed and installed in accordance with the provisions of this code and the household fire warning equipment provision of NFPA 72.

907.6.3 Initiating Device Identification (Page 131) Delete in its entirety and insert the following new section

The fire alarm system shall identify the specific initiating device address, location, device type, floor level (where applicable) and status including indication of normal, alarm, trouble and supervisory status, as appropriate.

F-907.10 Monitoring Signals (Page 132) Insert the following section:

Alarm, supervisory, and trouble signals shall be distinctly different and shall be automatically transmitted to an approved central station as defined in NFPA 72. All systems shall be (point to point) notification to (Central Station monitoring companies).

F-908.7.1.1 Carbon Monoxide Detectors: (Page 132) Insert the following new Section:

Upon the change of ownership or tenant of a single-family residential building or structure which is heated by a fossil fuel powered heating unit fully contained within the interior of the building or contains an attached or enclosed garage. Not less than one (1) UL approved carbon monoxide detector must be installed outside the area of sleeping rooms prior to issuance of a Certificate of Compliance.

F-912.2 Location (Page 142) Delete and Insert the following section:

With respect to hydrants, driveways, buildings and landscaping, fire department connections shall be so located that fire apparatus and hose connected to supply the system will not obstruct access to the buildings for other fire apparatus. The location of fire department connections shall be located on the front of the building unless an alternative location is approved by the fire marshal.

F-912.2.2 Fire Department Connection Signs (Page 143) Delete in its entirety and insert the following new section:

A metal sign with raised letters at least 6 inch in size shall be mounted on all fire department connections serving automatic sprinklers, standpipes or fire pump connections. Such signs shall read: AUTOMATIC SPRINKLERS or STANDPIPES or TEST CONNECTION or a combination thereof as applicable. Where the fire department connection does not serve the entire building, a sign shall be provided indicating the portions of the building served.

The Sign shall have white reflective background with the minimum of 6 inch red letters that shall read "FDC" or what the Fire Marshal approves and shall be placed above all fire department connections in a location approved by the Fire Marshal.

F-912.8 Use Groups R-2 Supply Systems (Page 143) Insert the following new section:

In use group R-2 multi-family residential developments, when there are three (3) or more dwelling units within one (1) building or structure, water supply systems shall be provided.

F-912.9 Use Groups R-3 and R-4 Supply Systems (Page 143) Insert the following new section:

In use groups R-3 and R-4 single family residential developments when the density is one (1) unit per ten thousand square feet (10,000 sq. ft.) of developed property or less, or there are two (2) or more dwelling units in a single development, water supply systems shall be provided.

Chapter 10 Means of Egress

F-1004.3 Posting of Occupant Load (Page 152) Delete in its entirety and insert the following:

Every room or space that is used for an assembly or educational occupancy shall have the occupant load of the room or space posted in a conspicuous place, near the main exit or exit access doorway from the room or space. Posted signs shall be of an approved legible permanent design and shall be maintained by the owner or authorized agent.

F-1008.3 Emergency power for illumination (Page 157) Delete in its entirety and insert the following:

The power supply for means of egress illumination shall normally be provided by the premises' electrical supply.

In the event of power supply failure, an emergency electrical system shall automatically illuminate all of the following areas:

1. Aisles and unenclosed egress stairways in rooms and spaces that require two or more means of egress.
2. Corridors, interior exit stairways and ramps and exit passageways in buildings required to have two or more exits.
3. Exterior egress components at other than their levels of exit discharge until exit discharge is accomplished for buildings required to have two or more exits.
4. Interior exit discharge elements, as permitted in Section 1027.1, in buildings required to have two or more exits.
5. Exterior landings as required by Section 1008.1.6 for exit discharge doorways in buildings required to have two or more exits.
6. Restrooms, Mechanical Rooms or any other areas where emergency exiting could be an issue shall be installed at the fire marshals discretion.

The emergency power system shall provide power for a duration of not less than 90 minutes and shall consist of storage batteries, unit equipment or an on-site generator. The installation of the emergency power system shall be in accordance with Section 604.

F-1010.1.9.3 Locks and latches (Page 164) Delete in its entirety and insert the following:

Egress doors shall be readily open-able from the egress side without the use of a key or special knowledge or effort.

Exceptions:

1. Places of detention or restraint.

2. In buildings in occupancy Group A having an occupant load of 300 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 thumb turn-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 thumb turn-operated locking device is revokable 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 are openable 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.

F-1010.1.9.4 Bolt Locks (Page 164) Delete in its entirety and insert the following:

Manually operated flush bolts or surface bolts are not permitted.

Exceptions:

1. On doors not required for egress in individual dwelling units.
2. Where a pair of doors serves a storage or equipment room, manually operated edge or surface-mounted bolts are permitted on the inactive leaf.
3. Existing buildings that have flush bolts or surface bolts are permitted with the approval of the Fire Marshal.

F-1010.1.9.4.1 Gate Locks (Page 164) Insert a new sub-section:

All gates that are locked at any time of the year must be equipped with a rapid entry lock or Knox Lock as approved by the Fire Marshal or designate.

F-1010.1.9.4.2 Educational Uses (Page 167) Insert the following:

School grounds are permitted to be fenced and gates therein are permitted to be equipped with locks, provided that safe dispersal areas based on 3 square feet per occupant are located between

the school and the fence. Such required safe dispersal areas shall not be located less than 50 feet from school buildings. See Knox Box requirements F-506.1

F-1010.1.9.9 Electromagnetically locking egress doors (Page 166) Delete in its entirety and insert the following new section:

Doors in the means of egress in buildings with an occupancy in Group A, B, E, M, R-1 or R-2, and doors to tenant spaces in Group A, B, E, M, R-1 or R-2, shall be permitted to be electromagnetically locked if equipped with listed hardware that incorporates a built-in switch and meet the requirements below:

1. The listed hardware that is affixed to the door leaf has an obvious method of operation that is readily operated under all lighting conditions.
2. The listed hardware is capable of being operated with one hand.
3. Operation of the listed hardware directly interrupts the power to the electromagnetic lock and unlocks the door immediately.
4. Loss of power to the listed hardware automatically unlocks the door.
5. Where panic or fire exit hardware is required by Section 1010.1.10, operation of the listed panic or fire exit hardware also releases the electromagnetic lock.
6. Activation of the building automatic sprinkler or fire detection system, if provided, shall automatically unlock the doors. The doors shall remain unlocked until the fire alarm system has been reset.
7. The locking system units shall be listed in accordance with UL 294

F- 1010.1.9.11 Stairway doors (Page 166) Delete in its entirety and insert the following:

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 in accordance with Section 403.5.3 of the 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 a key is provided to be installed in a Knox Box.

F-1030.4 Operational Constraints (Page 194) Delete its entirety and insert the following:

Emergency escape and rescue openings shall be operational from the inside of the room without the use of keys or tools.

Chapter 23 Motor Fuel-Dispensing Facilities and Repair Garages

F-23.04.3.3.1 Main Emergency Control (Page 230) Insert the following new section:

The main emergency control shall be a manual fire alarm station that will provide the emergency control function and transmit an alarm to an approved central-station system.

F-2304.3.8 Fire suppression system: (Page 230) Insert a new section:

The dispensing area (pump islands, canopy and adjacent ground area) shall be provided with an *approved automatic fire-extinguishing system*.

Chapter 24 Flammable Finishes

F-2404.5.3 Heating (Page 248) Insert the following new section:

Heating shall be indirect means utilizing low-pressure steam, hot water, or warm air.

Exception:

Electric or fuel-fired heaters approved for use in hazardous (Classified) location which are installed and operated in accordance with the applicable provisions of the current NFPA 70 National Electrical Code.

Chapter 31 Tents And Other Membrane Structures

F- 3103.12.9 Weather Radio: (Page 283) Insert a new section:

An AC type NOAA weather radio with a battery backup shall be placed in all temporary and/or permanent tents or membrane structures. The weather radio shall be monitored at all times.

F-3103.12.10 Emergency Evacuation Plan (Page 283) Insert a new section:

An emergency evacuation plan shall be submitted to the fire prevention office when submitting a permit application to operate or install a temporary and/or permanent tent or membrane structures.

Chapter 50 Hazardous Materials-General Provisions

F-5003.5 Hazardous Signage Required (Page 324-325) Delete in its entirety and insert the following:

Any occupancy required by this code and/or state law to provide material safety data sheets, shall provide visible markings on the outside of buildings, rooms and containers where hazardous substances are present. These markings shall be in a location approved by the code official. These markings shall conform to the NFPA 704 marking system or with other federal laws or regulations, or in the case of containers, may as an option comply with Safety and Health Administration Hazard Communication Rule, 29 CFR 1910.1200(f). To avoid duplication of markings, marking requirements of the United States Department of Transportation shall satisfy the requirements in regard to motor vehicles, rolling stock and aircraft.

F-5003.5.1.1 Main Entrance (Page 325) Insert the following new section:

Where required by Section F-5003.5, all buildings shall have a placard located on the main entry door a minimum of 18" from the bottom edge of the door. This placard shall have a minimum dimension of 5". This placard is not to be lettered or numbered.

F-5003.5.1.2 Other Doors (Page 325) Insert the following new section:

All other doors shall have a placard with a minimum dimension of 10" located in an approved location that identifies the worst hazard category of the product(s) in that area. This placard shall be provided with numerals in accordance with section F-5003.5.

Chapter 56 Explosives and Fireworks

F-5601.2.1.1 Permit Requirements (Page 361) Insert the following new section:

Application for such permit to possess, store, stock, use or hold for sale those items not prohibited as stated in F-5601.3 shall contain the following information:

1. Name of Applicant
2. Address of Applicant
3. Place and Name of Business
4. Name of responsible person.
5. Certification Number
6. Location of blasting site
7. Name of Insurance Co. and proof of insurance
8. If for storage, amount of each kind of explosives, blasting agents or blasting caps applicant intends to stock or store at any one time and the location and type of construction of magazine or storage place of same.
9. Emergency contact number, day, or night.
10. Type of agents.
11. Distance to closest structure.
12. Pre blast survey

F-5601.2.1.2 Permit Shall Be Granted When (Page 361) Insert a new sub-section:

A person shall be entitled to a permit to store, stock or use explosives, or blasting agents in the district who has met the following requirements:

1. File an application as provided in F-5601.2.1.1
2. Secured whatever construction, occupancy, or other permits which each applicant may otherwise be required by law to obtain.
3. Obtain the proper storage facility for storage of such explosives as the same may be required by this chapter.

F-5601.2.4 Financial Responsibility (Page 361-362) Delete and insert the following:

In addition to the above information, the following shall be required and attached to the application for a permit a certificate of liability insurance in the minimum amount of one million dollars (\$1,000,000.00) for injury to persons and property resulting from the blasting operations. Such insurance shall be carried in a form of corporation, which has been duly licensed or permitted to carry on such business, in the State of Missouri and shall be kept and maintained continuously in force and effect for the duration of the blasting permit.

F-5601.2.4.2 Fireworks Display (Page 362) Delete and insert the following:

The permit holder shall furnish a bond or certificate of insurance in the amount of \$1,000,000.00 dollars for the payment of all potential damages to a person or persons or to property by reason of the permitted display, and arising from any acts of the permit holder, the agent, employees, or subcontractors.

F-5601.4 Qualifications (Page 362) Delete and insert the following:

Persons in charge of magazines, blasting, fireworks display or pyrotechnic special effect operations shall not be under the influence of alcohol or drugs which impair sensory or motor skills, shall be at least 21 years of age, and shall demonstrate knowledge of all safety precautions related to the storage, handling or use of explosives, explosive materials or fireworks. Any person requesting a blasting permit must be licensed with the State of Missouri.

F-5601.8.1.1.1 Limits Of Storage (Page 362) Insert the following new section:

The limits for the storage of explosives and blasting agents shall be the limits established by the Franklin County, Missouri Zoning Ordinances.

F-5602.1 Definitions (Page 364-365) Insert the following to this section:

- **Controlled Structure:** is defined as any structure that is owned or controlled by the explosive user.
- **Scaled Distance:** Shall mean the actual distance (in feet) to the nearest structure, divided by the square root of the maximum explosive weight (in pounds) per millisecond (or greater) delay. If delay intervals less than 8 milliseconds are employed or if instantaneous blasting is employed, scaled distance shall be computed by dividing the actual distance (in feet) by the square root of the total explosive weight in pounds.
- **Uncontrolled Structures:** shall mean any building not owned or controlled by the explosive user.

F-5607.1.1 Explosives Delivered To Site (Page 375) Insert a new sub-section:

Excessively large amounts of explosives shall not be delivered to the loading area at one time. If deliveries of explosives are made by truck, the quantity permitted at or near the loading operation shall be limited to one truckload. Other trucks loaded with explosives shall wait or be unloaded in separate safe place away from the loading operations.

F-5607.1.2 Caps (Page 375) Insert a new sub-section:

Caps shall be brought to the loading area not attached to detonating fuse until all is in readiness for the blast.

F-5607.1.3 Blasting Records (Page 375) Insert a new sub-section:

A blasting record known as a log shall be kept on the site of any blasting operation. This log shall be made available to the Fire Marshal or his authorized agents on demand. This record shall be maintained available for inspection for a period of one (1) year after such blasting operations are completed.

F-5607.1.4 Falsification (Page 375) Insert a new sub-section:

Any falsification alteration or misrepresentation of any records of blasting operations will be cause for suspension or revocation of blasting permit as well as other penalty provisions of this Ordinance.

F-5607.1.5 Permit For Storage (Page 375) Insert a new sub-section:

Permits to store explosives or blasting agents shall expire at the expiration of twelve (12) months from date of issuance, or when location of magazine is changed.

F-5607.1.6 Permit To Blast (Page 375) Insert a new sub-section:

A permit to blast shall expire on the date specified on the permit issued by the Fire Marshal, but may be extended by the Fire Marshal.

F-5607.1.7 Suspension (Page 375) Insert a new sub-section:

All permits issued pursuant to this Ordinance may be suspended by the Fire Marshal for good cause shown.

F-5607.1.8 Feet To Roadway (Page 375) Insert a new sub-section as follows:

When the point of explosion is within three hundred and fifty (350) feet of a roadway, the responsible person shall, just prior to the blast, designate a sufficient number of employees of the operation, each carrying a red warning flag, to stop all vehicular and pedestrian traffic on each possible route of travel within three hundred fifty (350) feet of the point of explosion until the blast has been fired or at a distance required by the Fire Marshal, whichever is greater.

F-5607.1.9 Sounding Of Horn: (Page 375) Insert a new sub-section as follows:

The sounding of a horn shall be required when any blasting is being done. The horn or horns shall be sounded two (2) minutes prior to the blast or as required by the Fire Marshal. The distance that the horn must be heard shall be a minimum of 1,000 feet except further distances may be required by the Fire Marshal. The sound of the horn must be a distinctive sound different than other horns used in the area. The length of the horn sounding shall be thirty seconds, 2 minutes prior to the blast.

F-5607.1.10 Restricted Hours (Page 375) Insert a new sub-section as follows:

It shall be unlawful for any person to explode, or cause to be exploded, any gunpowder, dynamite, giant powder, cotton gun, or other explosives as herein defined for any purpose during the hours of 5:00 p.m. to 10:00 a.m., except that a special permit to use explosives during the hours of 5:00 p.m. to 10:00 a.m. may be issued by the Fire Marshal when the Fire Marshal determines that conditions beyond the control of the person seeking a special permit, prevents such person from using explosives during normally

permitted hours. Special permission must be granted before any blasting operations are conducted on either Saturday or Sunday. This can only be given by the fire marshal.

F-5607.1.11 Air Blast: (Page 375) Insert a new section:

Air blast shall be controlled so that it does not exceed the maximum limits specified below at any uncontrolled structure:

1.

LOWER FREQUENCY LIMITS OF MEASURING SYSTEM, HZ+3DB	MAXIMUM LEVEL IN DB LEVEL IN DB
0.1Hz or lower- flat response	134 peak
2 Hz or lower- flat response	133 peak
6 Hz or lower- flat response	129 peak
C-weighted- slow response	105 peak DBC

2. All measuring systems used shall have a flat frequency response of at least 200 Hz at upper end.
3. Those permitted persons may satisfy the provisions of this section by meeting any of the four (4) specifications herein or this section; provided however, the 0.1 Hz or lower flat response or C-weighted slow response can only be used if approved by the Fire Marshal.

F-5607.1.12 Vibrations (Page 375) Insert a new sub-section as follows:

1. **Ground Vibrations:** In all blasting operations, except as hereinafter otherwise provided, the maximum peak particle velocity of any one of the three mutually perpendicular Components of the ground motion in the vertical and horizontal directions shall not exceed two (2) inches per second. Less than two (2) inches per second can be required from the Fire Marshal at any time during term of permit. When blasting operations are contemplated which result in ground vibrations that would have a particle velocity of any of three (3) mutually perpendicular components in excess or two (2) inches per second, blasting operations may proceed after receiving written consent from the property owner or owners affected and the Fire Marshal.
2. **Instrumentation:** Instrumentation shall be required in good operating condition and be properly calibrated with a current (within one year of date of use) calibration sticker affixed to each instrument. If an instrument is found to be not operating properly or out of calibration, blasting operations shall be halted until the appropriate repairs or re-calibration are performed or a proper instrument is proved. Seismograph operator shall be trained in the use of that instrument.
3. **Seismograph:** Seismograph shall be required on all blast sites. The Seismograph shall be placed at or near the closest uncontrolled structure.
4. **Reading Daily:** The Fire Marshal may require a written report of the daily seismograph reading.
5. **Pre-blast Survey:** All property owners within 500 feet of a blasting site shall be notified by certified mail that blasting operations will be taking place and that pre-blast surveys are being offered at the blasters expense. A list of homes surveyed must be made available to the Fire Marshal at the time of permit application. Approval can be granted without pre-blast survey when in writing from the property owner and the Fire Marshal. A pre-blast survey may not be required if the Scaled Distance is less than 30. "Scaled distance" means the actual distance in feet divided

by the square root of the maximum explosive weight in pounds that is detonated per delay period for delay intervals of eight (8) milliseconds or greater. If delay intervals less than eight (8) milliseconds are employed or if instantaneous blasting is employed. Scaled Distance shall be computed by dividing the actual distance in feet by the square root of the total explosive weight in pounds.

F-5607.1.13 Quarry Operations: (Page 375) Insert a new sub-section as follows:

When ground motion characteristics for any given quarry operation have been determined by the Fire Marshal, based on instrumentation data submitted by the Operator, the allowable quantity distance relations between the amount of explosives used in primary blasting and the distance from blast area shall be determined from the accepted results of instrumentation at the given blast operation for the various weights of explosives used. The maximum amplitudes shall not exceed those given in the table of F-3007.1.68.

F-5607.1.14 Buffer: (Page 375) Insert a new sub-section as follows:

A buffer of 1,200 feet shall be maintained between quarry blasting operations and all occupied uncontrolled structures. In addition, a minimum distance of 400 feet to any other property line, except property lines owned by the owners of the quarry shall be maintained.

F-5607.3 Blasting In Congested Areas (Page 376) Delete and insert the following:

When blasting is done in a congested area or in close proximity to a structure, railway, or highway, or any other installations, precautions shall be taken to minimize earth vibrations and air blast effects. Blasting matting (which may include earth) shall be required when blasting operations / or geological conditions create fly rock that could damage or injure persons or property, or at the decision of the Fire Marshal.

F-5610.1 Retail Display And Sale (Page 377) Insert the following sections:

F-5610.2 Scope (Page 377) Add a new sub-section:

The manufacture of fireworks is prohibited within the Boles Fire Protection District (hereafter referred to as the district). The sale, distribution, possession, and use of fireworks within the District without a permit are also prohibited.

F-5610.3 Permit Required (Page 377) Add a new sub-section:

Before any permit shall be issued for any fireworks stand and or tent, the applicant shall pay the permit fee, determined according to the floor dimensions of the fireworks stand as measured by the outside dimensions of the stand and or tent, and calculated at the rate of one dollar and fifty cent (\$1.50) per square foot for Temporary Fireworks stand or tent.

F-5610.4 Fees For Fireworks Displays (Page 377) Add a new sub-section:

Any person wishing to discharge fireworks within the district, which are used for exhibition purposes at fairs, celebrations, or any other public gathering, shall pay to the district a fee of \$200.00 for a six month permit or \$400.00 for a one year permit prior to the discharge of any fireworks subject to this provision.

F-5610.5 Permit Application (Page 377) Add a new sub-section:

Application for permit shall be made in writing. The sale, possession, uses, and distribution of fireworks for such display shall be lawful under the terms and conditions approved with the permit and for that purpose only. A permit granted hereunder shall not be transferable, nor shall any such permit be issued to a person under eighteen (18) years of age. All applications shall be accompanied by:

1. Written proof of ownership of property or valid lease or rental agreement permitting operations thereon.
2. One copy of plot plan showing:
 - a. The location of the place that the operation will take place
 - b. Lot lines
 - c. Existing structures
 - d. Distance from structures to lot lines and operation
 - e. Spectator viewing area
 - f. Parking areas for public and emergency vehicles
 - g. Distance from stand to lot lines
 - h. Emergency evacuation plan
3. One application must be filled out for each stand or tent.
4. Furnish a bond or certificate of insurance in the amount of (one million dollars) (\$1,000,000.00) for payment of all potential damages to persons or to property by reason of the permitted display, and arising from any acts of the permit holder, agent, employees or subcontractors.

F-5610.5.1 Displays (Page 377) Add a new sub section:

A display shall require a permit and the application shall have the following information included on the site plan:

- A. Dimensions of the discharge and fallout areas
- B. Location of fireworks storage areas and time of the event
- C. Spectator viewing area
- D. Significant building area
- E. Parking for emergency vehicles and public parking
- F. North Arrow
- G. Primary Operator License
- H. Display personnel licenses, permits, certificates of fitness.
- I. Insurance –minimum of \$100,000,000.00 (one Million Dollar Coverage).
- J. Number of shells, size, and type.

- K. Design of rack being used.
- L. Emergency evacuation plan

F-5610.6 Definitions (Page 377) Add a new sub-section:

- **Display:** An exhibition to the general public, either with or without fee or admission charge, which presents for public entertainment, or for patriotic purpose, an exhibition of fireworks arrangements and detonation, and which is created, set up and detonated or discharged by a person or organization which is in the business or handling, setting up, providing, and detonation or discharging fireworks for public as a regular or usual occupation.
- **Distributor:** A person engaged in the business of selling fireworks to wholesalers, jobbers, seasonal retailers, other persons, or governmental bodies that possess the necessary permits, including any person that imported fireworks of any kind in any manner in the district.
- **Fireworks Season:** The period between the twentieth (20th) day of June through the tenth (10th) day of July and period between the twentieth (20th) day of December through the second (2nd) day of January of each year, shall be the only periods of time that seasonal retailers may be permitted to sell fireworks.
- **Jobber:** Any person engaged in the business of making sales of fireworks at wholesale or retail, within the district to non-licensed buyers from outside the State of Missouri for use and distribution outside the State of Missouri during a calendar year from the first day of January through the thirty-first day of December.
- **Manufacturer:** Any person engaged in the making, manufacturing assembly or construction of fireworks of any kind.
- **Sale:** An exchange of articles of fireworks for money, including barter, exchange, gift or offer thereof, and each such transaction made by any person whether as a principal proprietor, salesman, agent, association, co-partnership, or one or more individuals.
- **Seasonal Retailer:** Any person within the district engaged in the business of making sales of fireworks in the district during the fireworks season and may be defined by this code or the revised statutes of the State of Missouri.
- **Wholesales:** Any person engaged in the business of making sale of fireworks to any other person engaged in the business of making sale of fireworks at retail within the district.
- **Prohibited Fireworks:** All items of special UN1.36 commercial type saluted known as “cherry bombs”, “M80’s”, and various tabular salutes which exceed the limits of permitted D.O.T. Class UN 1.46 common fireworks items as to explosive composition designed to produce an audible effect and expressly prohibited from shipment into, manufacture, possession, sale and use within the district for any purpose.

- **Permissible Fireworks:** It shall be unlawful for any person to possess, sell or use within the district, or ship into the district, except as provided for special fireworks, any pyrotechnics commonly known as fireworks other than items now or hereafter classified as class UN 1.46 common fireworks, by the United States Department of Transportation or those items that comply with the construction, commercial composition, and labeling regulations promulgated by the United States Consumer Protection Safety Commission and permitted for use by the general public under their regulations. Items prohibited shall include items which are not classified by the United States Department of Transportation as “Common Fireworks” but identified under the regulations as trick noise makers, toy novelties, toy smoke devices, and sparklers, and shall include toy snakes, snappers, auto burglar alarms, smoke balls, smoke novelty items and wire sparklers containing any chlorate or pre-chlorate salts may not exceed five grams of composition per item. Matches, toy pistols, toy canes, toy guns, party popper’s, or other devices in which paper caps containing twenty five hundred grains or less of explosive compound provided that they are so constructed that the hand cannot come into contact with the cap when in place for use, and toy pistol paper caps which contain less than twenty five hundred grains of explosive mixture shall be permitted for sale and use at all times and shall not be regulated by the provision of this ordinance.

F-5610.7 Special Fireworks: (Page 377) Insert a new sub-section as follows:

Nothing in this code shall be construed to apply to the shipping, sale possession and use of special fireworks for public display by holders of a permit for public display to be conducted in accordance with the rules and regulations governing this type of fireworks by the Alcohol, Tobacco and Firearms Division of the United States Treasury Department. Possession and sale of special fireworks shall be limited to a holder of a federal license or permit issued for display of fireworks. Possession of special fireworks for resale to holders of a permit for public display shall be confined to holders of a manufacturer’s or distributor’s permit only.

F-5610.8 Seizure Of Fireworks (Page 377) Insert a new sub-section as follows:

The Fire Marshal shall seize, take, or remove or cause to be removed at the expense of the owner, all stock of fireworks offered or exposed for display or sale, stored, or held in violation of this ordinance.

F-5610.9 Sale of Fireworks: (Page 377) Insert a new sub-section as follows:

No person, corporation, or other entity of any kind shall conduct, or cause to be conducted, or keep or maintain or operate any stand or store or other place for the sale, or for offering for sale, or any fireworks, within the district. Any person, corporation, or their entity shall first obtain from the Fire Marshal a permit therefore, before issuing any such permit, the Fire Marshal shall issued such permit only if satisfied after such investigation, that the conduct of such stand in that location will be in complete compliance with the applicable provisions of the ordinance of the district and the revised Statutes of the State of Missouri.

F-5610.10 Permissible Items Sold When (Page 377) Insert a new sub-section as follows:

Permissible items of fireworks may be sold at retail by holders of a permit during the selling periods of the twentieth (20th) day of June through the tenth (10th) day of July and the twentieth (20th) day of December through the second (2nd) day of January.

F-5610.11 Egress (Page 377) Insert a new sub-section as follows:

All stands shall provide not less than two (2) means of egress.

F-5610.12 Required Documentation (Page 377) Insert a new sub-section as follows:

At all times that the stand is open for business; invoices, bills of sale, or shopping tickets, for all items on sale in the stand shall be available for inspection by the Fire Marshal at any time, so that the Fire Marshal may be informed on what is being offered for sale. Items not for sale may deviate from this rule only with permission of the Fire Marshal after inspection thereof.

F-5610.13 Restricted Locations (Page 377) Insert a new sub-section as follows:

It shall be unlawful to expose fireworks to direct sunlight through glass to the merchandise display, except where the fireworks are in the original package. All fireworks, which the public may examine, shall be kept for sale in original package, except where an attendant is on duty at all times. Fireworks shall be kept out of reach of the public when an attendant is not on duty.

F-5610.14 Approved Locations of Buildings, Stands or Tents (Page 377) Insert a new sub-section as follows:

No stand, tent or building used for the sale of any fireworks, shall be permitted within any residence or within any commercial building of any other use group. Each stand, tent or building shall be located no closer than fifty (50) feet of any structure or occupancy. Fireworks shall not be stored, kept or sold within fifty (50) feet of any gasoline pump, gasoline filling station, gasoline bulk station, or any building in which gasoline or volatile liquids are sold in quantities in excess of one gallon.

F-5610.15 Sleeping Within Stand (Page 377) Insert a new sub-section as follows:

Sleeping within a fireworks stand, warehouse, storage, or place of sale of fireworks is prohibited.

F-5610.16 Fire Safety Requirements (Page 377) Insert a new sub-section as follows:

The operator of any stand shall closely cut and remove all weeds, grass and similar vegetation and all dry or flammable residues from such cuttings. All trash, empty cartons, paper or other debris or flammable material from an area of twenty five (25) feet in all directions surrounding the outside of any stand as well as inside of all stands.

F-5610.17 Trash Containers (Page 377) Insert a new sub-section as follows:

The operator shall also provide in the premises immediately adjacent to such stand, not less than two- (2) trash receptacles, of a kind and size approved by the Fire Marshal. The operator shall not less than hourly remove all trash, paper, and flammable debris of any kind from the stand and, which extends and one hundred (100) feet from the outside edge of the stand.

F-5610.18 Heating Units: (Page 377) Insert a new sub-section as follows:

No heating unit of any kind, nor any other device which emits flames or heat shall be kept or used within the stand.

F-5610.19 Electrical Wiring: (Page 377) Insert a new sub-section as follows:

Standard electrical lighting which conforms to the electrical system requirements of the current NFPA 70 National Electric Code and as follows:

1. Electric service to stand may be #14 awg minimum 3 wire (type sj). Sjt. or approved heavy-duty rubber or thermo-plastic cord and 3 prong plug. Cord shall terminate inside stand in junction box adjacent externally locked door.
2. Junction box should contain two (2) switches, one to operate external rain tight security light at externally locked door and one to operate interior lighting and on duplex receptacle.
3. There shall be no external wiring, fixtures, or devices except security light attached to fireworks stand. General interior lighting should not exceed 3 watts per square foot. Any broken bulbs shall be replaced immediately. Miniature lamp holders are not permitted for interior or exterior lighting.
4. Electrical supply for external lighting or remote signs may be taken from remote electrical service and area not to be "within reach" of the general public. All cords supplying such lighting shall be approved for usage sized to carry the load and may except at the point of attachment, be "within reach" of the general public.

F-5610.20 Remote Electrical Service (Page 377) Insert a new sub-section as follows:

1. Maximum size of service shall be rated 240 volt (Edison three wire) 30 amp and conform to latest Union Electric publication regarding such service.
2. Main service disconnecting means shall be readily accessible, encased in rain tight enclosure, sized to carry the load and shall disconnect all under- ground conductors.
3. Service ground shall be bare #8 awg copper wire attached to 5/8 x 8 foot copper weld ground rod by means of approved clamp; ground wire to rod connection shall be left exposed for inspection purposes.
4. Branch circuits shall be limited to two (2) duplex receptacles rated at fifteen (15) amp minimum encased in rain tight enclosure with rain tight covers. All new branch circuits shall be ground fault protected.

F-5610.21 No Smoking Provision: (Page 377) Insert a new sub-section as follows:

One or more signs reading (Fireworks, No Smoking) shall be displayed at all places where fireworks are stored or sold, with letters not less than four (4) inches in heights. Signs shall be displayed to be visible from all sides of the stand. It shall be unlawful to permit the presence of

lighted cigars, cigarettes, pipes or any other open flame within twenty five (25) feet of where fireworks are offered for sale.

F-5610.22 Storage Of Fireworks (Page 377) Insert a new sub-section as follows:

No passenger automobile shall be used on the location as a conveyance or storage place for any fireworks, nor any conveyance or vehicle of any kind can be used for storage or transportation of fireworks within fifty (50) feet of any fireworks stand.

Exceptions: During the actual period of time when merchandise is being unloaded from the conveyance or vehicle and stored within the stand, or is being taken by the customer, which should be done expeditiously.

F-5610.23 Storage Area Required To Be Locked (Page 377) Insert a new sub-section as follows:

When not actually in use by personal or the operator therein, every such stand shall be locked in a manner approved by the Fire Marshal. All conveyances or vehicles on the stand premises, which are used for storage or transportation of fireworks by the operator, shall be closed and locked except when loading or unloading.

F-5610.24 Fire Extinguisher's (Page 377) Insert a new sub-section as follows:

At least two, two and one half (2 1/2) gallon-pressurized water fire extinguishers shall be kept within each such stand at all times one immediately adjacent to each exit. There shall be kept two (2) fifty-five (55) gallon drums filled with water at all times, with at least two (2) buckets hanging on each one, one drum shall be located at each exit of each such stand. Size of stand may require additional fire extinguishers.

F-5610.25 Discharge Of Fireworks (Page 377) Insert a new sub-section as follows:

It shall be unlawful to explode or ignite fireworks within six hundred (600) feet of where fireworks are stored, sold or offered for sale. This shall apply to any pump dispensing devices. No person shall ignite or discharge any permissible articles of fireworks within or throw the same from a motor vehicle or at or near any person or group of people.

Nothing in this ordinance shall be constructed to prevent owner of stand or tent from demonstrating or testing fireworks. Any such demonstrating or testing shall require the notification and written approval of the Fire Marshal.

F-5610.26 Location of Gas Generators for tents (Page 377) Insert a new sub-section as follows:

All generators shall be a minimum distance of twenty-five (25) feet from any tent or structure. Gas cans shall be kept in a different location at least twenty-five (25) feet from the generator and tent.

Appendix C Fire Hydrants Locations and Distribution (Page 481) Delete in its entirety and insert the following:

C-101.1 Scope (Page 481) Delete and insert the following:

Fire Hydrants shall be provided in accordance with this appendix for the protection of buildings, or portions of buildings, hereafter constructed. All fire hydrants shall be approved by the American Water Works Association (AWWA) and or the water district having jurisdiction and meet the approval of the fire marshal.

C-101.2 New Structures (Page 481) Insert a new sub-section as follows:

No person shall commence construction of any new structure, building, or addition to any structure or building, within or upon any real property with the Fire Protection District unless such person shall first have submitted to the Fire Marshal a plat or drawing of the property whereon is located such building, structure, or addition, which plat or drawing has indicated thereon the nearest existing Fire Hydrant. If there is no Fire Hydrant within such distance as approved by the Fire Marshal, then the proposed installation of a new Fire Hydrant or Hydrants, and also the particular location proposed for such Fire Hydrants and the number of Fire Hydrants to be installed, if any, shall be approved by the Fire Marshal. All Fire Hydrants are to be installed on Four-inch (4") or larger water mains. All new water mains shall not be less than 6-inch (6") or larger as required by F-507.6 and F-507.6.2 Public Water Systems shall be installed at the commencement of construction.

C-101.3 Building Permits (Page 481) Insert a new sub-section as follows:

The Fire Marshal of the Fire Protection District shall not approved, issue building permits or, not permit the construction of any such new subdivision or new building or structure where the owner thereof shall fail to provide fire hydrants, to perform conditions of this Ordinance, or to permit access according to this section.

C-101.4 Existing Buildings And Structures (Page 481) Insert a new sub-section as follows:

At any building or structure within the Boles Fire Protection District where the Fire Marshal shall find it is necessary that Fire Hydrants be installed, as indicated by the standard fire hydrant spacing directives of the Boles Fire Protection District; that a water supply is available upon which can be mounted one or more Fire Hydrants; that the lack of such Fire Hydrants constitutes a fire hazard, endangering fire safety of any such building or structure; and that the provision of such Fire Hydrant or Fire Hydrants is necessary to adequate fire fighting at such building or structure, then the Fire Marshal may deliver or serve by mail, notice on the owner of any such building or structure, stating a time within which the owner shall cause to be installed one or more Fire Hydrants as the Fire Marshal may determine are necessary. If the owner shall fail to cause such installation to begin within the next thirty (30) days following the given of such notice, or if the owner shall cause or shall permit such installation to be delivered, or shall not proceed with such installation with due diligence, in any manner, then the Fire Marshal may revoke the occupancy and use permit of such building or structure until such Fire Hydrant, or Fire Hydrants are installed and in proper working order, in the discretion of the Fire Marshal. Every owner upon whom such notice shall be served shall cause installation of any such Fire Hydrant or Hydrants to be commenced within thirty (30) days following the given of notice, and

shall cause the completion of installation to be made promptly, but, on application of any such owner, the Board of Directors of the Boles Fire Protection District may extend the time for completion of the installation of any Fire Hydrant or Hydrants, if the owner proves to the satisfaction of the Board of Directors, that such extension of time is necessary for reason beyond the control of the owner.

C-102.2 Area To Be Provided With Water Mains (Page 481) Insert a new sub-section as follows:

Water Mains shall be placed along the full length of the property to be developed that abuts existing and /or a proposed improved public way. Any portion of the subdivision or the tract of real estate from which it is subdivided is within three thousand (3000) feet of an existing public water supply water main and hydrants must be installed. A variance may be required by the Water Agency because of terrain and/or water quality consideration.

C-102.2.1 Exceptions/Variance (Page 481) Insert a new sub-section as follows:

If any installation of a Fire Hydrant is not reasonable and practicable, the applicant may apply to the Board of Directors for a variance from the Ordinance. In determining whether or not the installation of a fire hydrant is reasonable and practicable many factors are considered including, but not limited to the degree of fire hazard to the building site and those occupying the building site. The cost of installation of a Fire Hydrant and the number of individuals who would share the benefits of the Fire Hydrants If under the circumstance the installation of a Fire Hydrant is not reasonable and practicable, the Fire Marshal shall issue a Building Permit conditioned upon the applicant otherwise complying with the Fire Prevention Code and encumbering the land with a Land Agreement in the form designated by the Board of Directors. The Land Agreement is a covenant to install a Fire Hydrant when installation would be reasonable and practicable. On the application of any person, the Board of Directors of the Boles Fire Protection District may grant the variance to the requirements of this section for Fire Hydrant installations where there is no water supply reasonably available for the installation of Fire Hydrants.

C-102.3 Fire Hydrant Spacing (Page 481) Insert a new sub-section as follows:

Spacing of Fire Hydrants along a public way shall be regulated by the Use Group classification of the development that abuts the existing and/or proposed public way.

C-102.4 Required Locations (Page 481) Insert a new sub-section as follows:

A Fire Hydrant must be placed within one hundred (100) feet of the entrance of subdivision. All Fire Hydrants must be located on the side property line or as permitted by the Fire Marshal.

C-102.5 Fire Hydrant to Fire Department Connections (Page 481) Insert a new sub-section as follows:

There shall be a Fire Hydrant within one hundred fifty (150) feet of the Fire Department connection.

C-102.6 Relocation of Fire Hydrants (Page 481) Insert a new sub-section as follows:

Relocation of Fire Hydrants requested by the property owners and/or developer shall be relocated within the sole discretion of the Fire Marshal.

C-102.7 Setback Distance (Page 481) Insert a new sub-section as follows:

All Fire Hydrants shall be set back from the curb or edge of the pavement no further than Twelve (12) feet.

C-105.1 Hydrant Spacing (Page 482) Delete and insert the following:

The average spacing between fire hydrants shall not exceed that listed in Boles Ordinance Sections F-507.6.11 to F-507.6.15.

Exception: The Fire Marshal is authorized to accept a deficiency of up to 10 percent where existing fire hydrants provide all or a portion of the required fire hydrant service. Regardless of the average spacing, fire hydrants shall be located such that all points on streets and access roads adjacent to a building are within the distances listed in Boles Ordinance Sections F-507.7.6.11 to F-507.6.15.

Table C-105.1 Number and Distribution of Fire Hydrants (Page 482) Insert the table

C-106.0 Unaccepted Location for Fire Hydrants (Page 482) Insert a new Section as follows:

The following locations for hydrants are not acceptable:

1. Within twenty-five feet (25') of an intersection or cross street.
2. Within a cul-de-sac, eye-brow or within fifty feet (50') of either such construction; and,
3. At any location where the fire hydrant could be damaged by vehicular traffic.
4. All fire hydrants shall be set back from the curb or edge of the payment no further than twelve (12) feet.

Exception: Fire Hydrants are allowed if directed by the water company or Public Water Supply District.

C-106.1 Fire Hydrant Damage (Page 482) Insert a new sub-section as follows:

At any location where the fire hydrant could be damaged by vehicular traffic, such as in parking lots and like areas ballads or curbs shall be installed to protect the fire hydrant.

C-107.0 No Parking Area at Fire Hydrant (Page 482) Add a new section:

Where fire hydrants are required to be installed in areas where vehicles would be parked or standing, said vehicle parking shall be restricted for ten (10) feet in each direction from the fire hydrant to the center of the public or private passageway.

C-107.1 Fire Hydrant Locations (Page 482) Insert a new sub-section as follows:

Where fire hydrants are required to be installed in areas where vehicles would be parked or standing, said vehicle parking or standing shall be restricted in the following locations:

C-107.1.1 Rear (Page 482) Insert a new sub-section as follows:

Within three (3) feet to the rear of the Fire Hydrant.

C-107.1.2 Sides (Page 482) Insert a new sub-section as follows:

Ten (10) feet from side to side.

C-107.1.3 Front (Page 482) Insert a new sub-section as follows:

From the Fire Hydrant to the center of the public or private way.

C-107.2 Fire Department Connections (Page 482) Insert a new sub-section as follows:

When fire department connections are located in an area where vehicles may be parked or standing, said vehicles shall be restricted from ten (10) feet in each direction from the fire department connection.

C-108.0 Obstructions (Page 482) Insert a new Section as follows:

C-108.1 Planting Of Bushes Or Trees (Page 482) Insert a new sub-section as follows:

There shall be no planting of bushes or trees within ten (10) feet of any fire hydrant in any direction.

C-108.2 Fences (Page 482) Insert a new sub-section as follows:

Fences shall not be constructed or placed within three (3) feet of the rear of the fire hydrant and ten (10) feet from side to side.

C-109.0 Installation Height (Page 827) Insert a new sub-section as follows:

C-109.1 Fire Hydrant Height (Page 482) Insert a new sub-section as follows:

Fire Hydrants shall be installed a minimum of twenty (20) inches and a maximum of thirty-six (36) inches above finished grade, measured from the center of the streamer connection.

C-109.2 Type And Size Of A Fire Hydrant (Page 482) Insert a new sub-section:

All newly installed hydrants shall be 3-way type. One outlet to be a 4 ½" and the other two outlets to be 2 ½" with National Standard Thread.

C-110.0 Color Coding Fire Hydrants (Page 482) Insert a new sub-section:

C-110.1 Scope (Page 482) Insert a new sub-section as follows:

All fire hydrants shall be painted to match the following requirements after installed by the contractor. The caps shall be coated with approved grease as required by the code official and the public water district. The paint must be a good grade and applied with either a brush or sprayer.

C-110.2 Barrels (Page 482) Insert a new sub-section as follows:

All Fire Hydrants barrels are to be painted Chrome yellow.

C-110.3 Bonnets (Page 482) Insert a new sub-section as follows:

All Fire Hydrants bonnets (top flange of the fire hydrant) are to be painted as follows:

COLOR	WATER GPM
Blue	1500 or greater
Green	1000 to 1499
Orange	500 to 999
Red	Less than 500

Appendix D Fire Apparatus Access Roads (Page 483) Delete the following and insert:

D-103.5 Fire Apparatus Access Road Gates (Page 484): Delete in its entirety and insert the following:

The Board of Directors of the Boles Fire Protection District must approve proposals for gates and or barricade devices obstructing any public or private roads, public or private streets, and or fire service access roads. All proposals must meet the following criteria:

1. **Plans:** Plans, including a plat drawing showing the subdivision, must be filed with the Fire Marshal's office showing:
 - a. The location of the gate(s) to be installed;
 - b. The type of gate(s) to be installed;
 - c. Specifications for motor and quick release;
 - d. Location of the rapid entry switch;
 - e. All entrances to the gated community;
 - f. Type and location of power source.

2. **Set Back:** The gate shall be set at a minimum of 40 feet from the edge of a cross street from which the gated street is accessed.

g. Definition:

- Cross Street: A road that intersects or connects with another road.

3. **Width of Gate:** If one gate is used, the gate must open the full width of the required street or road width. If two (2) gates are used, each gate must open a minimum width of 12 feet or the full width of the street or road if the street or road is less than twenty-four (24) feet in width.

4. **Gate(s):**

- a. Only the following types of gates shall be approved:
 - i. Gates that swing open horizontally in the direction of vehicle travel:
 - ii. Gates that slide open in a perpendicular to the direction to vehicle travel.
 - b. Gate(s) shall be powered by electricity from the local utility company or by solar power.
 - c. If power is lost to the gate, the gate must be capable of opening with a battery backup system or manually and must be locked in the open position until the power is restored. Any type of battery backup system must be kept fully charged.
 - d. Gate(s) must be equipped with a rapid entry switch, which is approved by the Fire Marshal. The switch must be installed per the manufacturer's and directions and at the direction of the Fire Marshal. If a key is required it shall meet the Boles Fire protection District KNOX Box master key system.
 - e. Gate(s) must be opened with a quick release system that allows the gate(s) to be opened manually.
 - f. The area of the fire apparatus access road measuring sixty (40) feet in both directions from the gate shall be designated as a fire lane and marked by signs in conformity with this code.
 - g. If the gate is found in a non-working condition it shall be locked in the open position.
 - h. Entrance gate(s) must be equipped with a siren-activated opener (SOS). This opener must open the by either electronic or mechanical ("Q") siren.
 - i. A gate opened by a siren-opener (SOS) must remain in the open position for at least (15) MINUTES.
5. **Inclement Weather:** The gate(s) shall be kept open at all times when the fire apparatus access road is covered with snow or ice.

6. **Trustees or Property Management Company:** Property owners and or subdivision governing body to which a gate or barricade would be installed shall provide the district with written notification of any change of trustees or a property Management Company within ten (10) days of any such change.
7. **Inspections:** Authorized service provider must perform a yearly inspection. The subdivision or property Management Company has the responsibility to schedule and ensure completion of this inspection. This inspection must cover all moving parts of the gate(s), power supply, electric and or electronic controls, battery backup, and the general workings of the gate(s). A written copy of the inspection must be submitted to the Fire Marshal within ten (10) days of the inspection. The Fire Marshal shall make a semi-annual inspection.
8. **Petition:** A petition signed by all property owners and spouses must be presented with each application. Each signature must be accompanied by the individual's legibly printed name and address. Each Page of the petition must state the following: "I agree with gate(s) being installed at all entrances of the subdivision; I understand that when the gate(s) is installed the fire department response can be lengthened by an extended period of time. I further agree not to hold any emergency service responder including but not limited to the Boles Fire Protection District, ambulance district, or law enforcement agency and personnel responsible for damages to persons or property due to additional response time. This agreement shall be considered a covenant running with the land.

SECTION 6 Additions and Deletions of the International Building Code

Chapter 4 Special Detailed Requirements Based on Use and Occupancy

B-402.4.2.1.1 Tenant separations (Page 54) Add a new section:

Each tenant space shall be separated from other tenant spaces by a *fire barrier* having a fire-resistance rating of not less than 1 hour. The *fire barrier* shall extend from the top of the fire resistance rated floor/ceiling below to the underside of the floor or roof slab or deck above and shall be securely attached thereto. These walls shall be continuous through all concealed spaces such as the space above a suspended ceiling.

A wall is not required between any tenant spaces in a mall, except for occupancy separations required elsewhere in this code.

Chapter 7 Fire and Smoke Protection Features

B-708.4 Continuity (Page 128) Delete in its entirety and Insert the following:

Fire partitions shall extend from the top of the foundation or floor/ceiling assembly below to the underside of the floor or roof sheathing, slab or deck above or to the fire-resistance-rated floor/ceiling or roof/ceiling assembly above, and shall be securely attached thereto. In combustible construction where the fire partitions are not required to be continuous to the sheathing, deck or slab, the space between the ceiling and the sheathing, deck or slab above shall be fire blocked or draft stopped in accordance with Sections 718.2 and 718.3 at the partition line. The supporting construction shall be protected to afford the required fire-resistance rating of the

wall supported, except for walls separating tenant spaces in covered and open mall buildings, walls separating dwelling units, walls separating sleeping units and corridor walls, in buildings of Type IIB, IIIB and VB construction.

Exceptions:

1. The wall need not be extended into the crawl space below where the floor above the crawl space has a minimum 1-hour fire-resistance rating.
2. Where the room-side fire-resistance-rated membrane of the corridor is carried through to the underside of the floor or roof sheathing, deck or slab of a fire-resistance-rated floor or roof above, the ceiling of the corridor shall be permitted to be protected by the use of ceiling materials as required for a 1-hour fire-resistance-rated floor or roof system.
3. Where the corridor ceiling is constructed as required for the corridor walls, the walls shall be permitted to terminate at the upper membrane of such ceiling assembly.

B-708.4.1 Residential Occupancies (Page 128) Add a new sub-section:

In occupancies in Use Group R-2 and R-3, the wall shall be continuous to the underside of the roof sheathing or deck in Types 3, 4, and 5 construction where all of the following conditions are met:

1. The wall is properly fire blocked at the deck.
2. The roof sheathing or deck is constructed of approved noncombustible materials, fire retardant-treated wood, a distance of four (4) feet on both sides of the wall, or such room sheathing or deck is constructed with 5/8 inch type X water resistant or deck, using minimum two (2) inch ledgers attached to the sides of the roof framing members, for a minimum distance of four (4) feet on both sides of the fire wall.
3. Combustible material does not extend through the wall.
4. The roof covering has a minimum of a Class C Rating.

Openings in the roof shall not be located within five (5) feet of the firewall or Separation wall.

Chapter 12 Interior Environment

B-1209.2 Attic Spaces (Page 315) Delete in its entirety and insert the following:

An opening not less than 22 ½ inches by 30 inches shall be provided to any attic area having a clear height of over 30 inches. A 30-inch minimum clear headroom in the attic space shall be provided at or above the access opening. Where complete access is not obtained throughout the attic, additional attic access shall be necessary, as required by the Fire Marshal or designate.

B-1209.2.1 Closets (Page 315) Insert a sub-section:

Attic access may not be located in any closet unless the dimensions of the closet are greater than eight (8) feet by ten (10) feet (finished dimensions). When access is located in a closet area, the access must be centrally located.

B-1209.2.1.1 Attic Access Signage (Page 315) Insert the following new section:

A sign shall be installed at the attic access when the access is not visible. The sign design and location shall be at the discretion of the fire marshal.

Chapter 15 Roofing

B-1510.1.1 Attic Space (Page 348) Insert a new sub-section.

When an existing roof is being covered with material forming an attic or new attic the old roof covering materials and plywood or steel decking must be removed.

B-1510.1.2 Attic Access (Page 348) Insert a new sub-section.

Access to the attic area must meet the requirements found in B-1209.2.

B-1510.1.3 Sprinkler System (Page 349) Insert a new sub-section. In lieu of removing the existing roof covering materials and plywood or steel decking, this area may be protected with an approved NFPA 13 sprinkler system.

Chapter 21 Masonry

B-2114.1 Installation and Inspection of Pre-fabricated Fireplaces (Page 467) Insert the following new section:

All pre-fabricated fireplaces shall be approved and listed by underwriter laboratories or any other nationally recognized testing agency, installed in accordance with the manufactures instructions and, in addition thereto:

1. All pre-fabricated fireplaces shall be set on approved non-combustible material, which shall extend from the back of the unit to the outer edge of the hearth before any finish materials are installed.
2. All pre-fabricated fireplaces chases shall be protected on the inside of the chase walls and ceilings with one layer of 5/8" type X drywall or equivalent all as approved by the Fire Official. Drywall shall extend to the ceiling level except when the chase extends more the 1 story of floor then drywall shall be installed in addition to the above to the chase wall next to the building unit the chase extends past any attic area.
3. Attic insulation shields shall be installed on all manufactured chimneys or in lieu thereof a chase meeting the requirements in "B" above shall be used in the attic area.
4. All chimney chases shall be fire stopped at each floor/ceiling line and all chimney chases shall be closed off to all attic areas of concealed spaces.

B-2114.2 Solid Fuel Burning Appliances (Page 467) Insert the following new section:

All solid fuel burning appliances shall be installed as follows:

1. All solid fuel burning appliances installed in manufacture homes (homes built in compliance with the Federal Manufactured Home Construction and Safety Standards-24 CFR 3280) shall comply with the manufacturer's installation instructions.

2. All solid fuel burning appliances installed in one and two family dwellings shall be listed by a nationally recognized testing agency, and shall be installed per the manufacturer's installation instructions or installed per the NFPA 211 standard.
3. All solid fuel burning appliances installed in modular homes (Factory built homes to be placed on a permanent foundation and constructed of a national recognized model or prescriptive code) shall be installed as in "B" above.
4. All solid fuel burning appliances installed in all other use groups shall be installed as permitted by appropriate sections of the fire code. All solid fuel burning appliances shall be listed by a nationally recognized testing agency, shall be installed per the manufacturer's installation instructions or installed per the NFPA 211 standard.

Chapter 31 Special Construction

B-3103.5 Temporary Structures Conformance (Page 584) Insert the following new section:

Temporary structures and uses shall conform to fire safety and means of egress requirements of this code as necessary to ensure the public safety and general welfare.

B-3103.6 Temporary Power for Temporary Structures (Page 584) Insert the following new section:

The Fire Marshal is authorized to give permission to temporarily supply and use power in part of an electric installation before such installation has been fully completed and shall comply with the requirements specified for temporary lighting, heat, or power in the current NFPA 70 National Electric Code.

B-3105.1 General (Page 586) Delete in its entirety and insert the following:

Awnings or canopies shall comply with the requirements of this section and other applicable sections of this code. The minimum height of all canopies shall be twelve (12) feet six (6) inches from finished grade to the lowest member. This is not required when a vehicle is not intended to drive under the canopy.

SECTION 7 Additions and Deletions of the International Wildland-Urban Interface

Chapter 4 Wild land-Urban Interface Area Requirements

402.1.2 Subdivision Water Supply (Page 15) Delete in its entirety and Insert the following:

New subdivisions with five or more building sites as determined by this jurisdiction shall be provided with water supply in accordance with Section 404.

402.2.2 Exceptions (Page 15) Delete Paragraph 1 of the exceptions.

403.2 Driveways (Page 15) Delete in its entirety and insert the following:

Driveways shall be provided when any portion of an exterior wall of the first story of a building is located more than 150 feet (45 720 mm) from a fire apparatus access road. Driveways shall provide a minimum unobstructed width of 12 feet (3658 mm) and a minimum unobstructed

height of 13 feet 6 inches (4115 mm). Driveways in excess of 150 feet (45 720 mm) in length shall be provided with turnarounds. Driveways in excess of 200 feet (60 960 mm) in length and less than 20 feet (6096 mm) in width shall be provided with turnouts in addition to turnarounds.

“A driveway shall not serve in excess of one (1) single-family dwelling unit and accessory buildings.”

Exception: When such driveways meet the requirements for an access road in accordance with the International Fire Code. Driveway turnarounds shall have inside turning radius of not less than 30 feet (9144 mm) and outside turning radius of not less than 45 feet (13 716 mm). Driveways that connect with a road or roads at more than one point may be considered as having a turnaround if all changes of direction meet the radius requirements for driveway turnarounds. Driveway turnouts shall be an all-weather road surface at least 10 feet (3048 mm) wide and 30 feet (9144 mm) long. Driveway turnouts shall be located as required by the code official. Vehicle load limits shall be posted at both entrances to bridges on driveways and private roads. Design loads for bridges shall be established by the code official.

403.6 Address Markers (Page 16) Delete in its entirety and insert the following:

All buildings shall have a permanently posted address, which shall be placed at each driveway entrance and be visible from both directions of travel along the road. In all cases, the address shall be posted at the beginning of construction and shall be maintained thereafter, and the address shall be visible and legible from the road on which the address is located. Address signs along one-way roads shall be visible from both the intended direction of travel and the opposite direction. Where multiple addresses are required at a single driveway, they shall be mounted on a single post, and additional signs shall be posted at locations where driveways divide. Where a roadway provides access solely to a single commercial or industrial business, the address sign shall be placed at the nearest road intersection providing access to that site. “Address Markers” shall also be posted at the entrance to each individual driveway.”

404.1 General (Page 16) Delete in its entirety and insert the following:

An approved water source shall have an adequate water supply for the use of the fire protection service to protect buildings and structures from exterior fire sources or to suppress structure fires within the wildland-urban interface area of the jurisdiction in accordance with this section.

Exception: Buildings containing only private garages, carports, sheds and agricultural buildings with a floor area of not more than 600 square feet (56 m²).

404.2 Water Sources (Page 16) Delete in its entirety and insert the following:

The point at which a water source is available for use shall be located not more than 1,000 feet (305 m) from the building “*or other location authorized by the Fire Marshal*” and be approved by the code official. The distance shall be measured along an unobstructed line of travel.

Water sources shall comply with the following:

1. Man-made water sources shall have a minimum usable water volume as determined by the adequate water supply needs in accordance with Section 404.5. This water source

shall be equipped with an approved hydrant. The water level of the water source shall be maintained by rainfall, water pumped from a well, water hauled by a tanker, or by seasonal high water of a stream or river. The design, construction, location, water level maintenance, access, and access maintenance of man-made water sources shall be approved by the code official.

2. Natural water sources shall have a minimum annual water level or flow sufficient to meet the adequate water supply needs in accordance with Section 404.5. This water level or flow shall not be rendered unusable because of freezing. This water source shall have an approved draft site with an approved hydrant. Adequate water flow and rights for access to the water source shall be ensured in a form acceptable to the code official.
3. At the request of the code official, an engineer study can be required to prove the availability of the man made or natural water supplies.

404.5 Adequate Water Supply (Pages 17) Delete in its entirety and insert the following:

Adequate water supply shall be determined for purposes of initial attack and flame front control as follows:

1. **One and two-family dwellings.** The required water supply for one- and two-family dwellings having a fire area that does not exceed 3,600 square feet (334 m²) shall be 1,000 gallons per minute (63.1 L/s) for a minimum duration of 30 minutes (unless otherwise approved by the Fire Marshal and/or Board of Directors in writing.) The required water supply for one and two-family dwellings having a fire area in excess of 3,600 square feet (334 m²) shall be 1,500 gallons per minute (95 L/s) for a minimum duration of 30 minutes (unless otherwise approved by the Fire Marshal and/or Board of Directors in writing.)
2. **Exception:** A reduction in required flow rate of 50 percent, as approved by the code official, is allowed when the building is provided with an approved automatic sprinkler system.
3. **Buildings other than one and two-family dwellings.** The water supply required for buildings other than one and two-family dwellings shall be as approved by the code official but shall not be less than 1,500 gallons per minute (95 L/s) for a duration of two hours (unless otherwise approved by the Fire Marshal and/or Board of Directors in writing).

Exception: A reduction in required flow rate of up to 75 percent, as approved by the Fire Marshal, is allowed when the building is provided with an approved automatic sprinkler system. The resulting water supply shall not be less than 1,500 gallons per minute (94.6 L/s).

404.5.1 Additional Water Supply Requirements (Pages 17) Insert the following new section:

In the event that a man made or natural water supply is unable to maintain the required storage as listed in Section 404 then an addition water supply will be required and must be approved by the Fire Marshal.

404.10 Reliability (Page 17) Delete the provisions of **404.10 Reliability** in its entirety.

405 Fire Protection Plan (Page 17) Delete the provisions of **405 Fire Protection Plan** in its entirety

SECTION 8 MISSOURI NEW LAW FOR FIRE DISTRICTS REGARDING RESIDENTIAL PROPERTIES

For the protection of the citizen of the State of Missouri, an act establishing fire protection district's position as advisory entities to other political subdivisions.

1. As used in this section, the term "residential construction" shall mean new construction and erection of detached single-family or two-family dwellings, or the development of land for detached single-family or two-family dwellings

2. As used in this section, the term "residential construction regulatory system" means any bylaw,

ordinance, order, rule, or regulation pertaining to residential construction, the implementation or enforcement of any permitting system or program relative to residential construction, including the

use or occupancy by the initial occupant thereof, or the implementation or enforcement of any system or program for the inspection of residential construction. A "residential construction regulatory system" may also mean a nationally recognized model code, with or without amendments specific to that jurisdiction.

3. Notwithstanding the provisions of any other law to the contrary, in the event a city, town, village, or county adopts or has adopted, implements or has implemented, or enforces a residential

construction regulatory system or any portion thereof applicable to residential construction within

its jurisdiction, any residential construction regulatory system adopted by the fire protection district

or its board shall be interpreted to be as an advisory regulatory system and shall be without power,

authority, or privilege to enforce or implement a residential construction regulatory system or any

portion thereof applicable to or pertaining to residential construction within the jurisdiction of such

city, town, village, or county.

4. Fire Protection Districts may conduct inspections but may not collect a fee for the inspection or

regulation of the alteration, enlargement, replacement or repair of a detached single family or two

family dwelling.

5. A Fire Protection District representative, to be designated by the Fire Chief of the Fire

Protection District, shall be given the opportunity to comment directly to the appropriate political subdivision on any proposed residential construction regulatory system that regulates street widths,

placement of fire-hydrants, sizing of water mains, or placement of fire lanes within a residential development for a county or municipality within the jurisdiction of the Fire Protection District.

SECTION 9 CONFLICTING AND INCONSISTENT PORTIONS OF THE ORDINANCE

In case of conflict between any section of the designated Fire Prevention Code of the Boles Fire Protection District of Franklin County, Missouri, this ordinance, or any other ordinance of the Boles Fire Protection District of Franklin County, Missouri, the most rigid requirement(s) shall apply. Where portions of the code are inconsistent with one another, those portions are hereby revoked and repealed as of no effect.

SECTION 10 SAVINGS CLAUSE

Nothing in this ordinance hereby adopted shall be construed to affect any pending proceeding or suit in any court, or any rights acquired, or liability incurred, or any cause of action acquired or existing, under any act or ordinance hereby repealed, if any; nor shall any just or equitable or legal right or remedy of any character be lost, impaired or affected by this ordinance.

SECTION 11 SEVERABILITY

If any section, subsection, sentence, clause, phrase, or portion of this ordinance is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such section, sub-section, sentence, clause, phrase or portion of this ordinance shall be deemed a separate, distinct, and independent provision and such holding shall not affect the validity of the remaining section, subsection, sentence, clause, phrase, or portion of this ordinance.

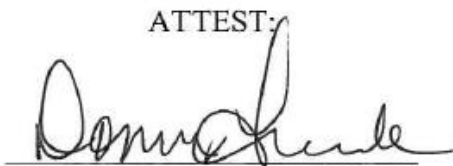
SECTION 12 EMERGENCY ENACTMENT

It being deemed that the situation intended to be met by this ordinance constitutes an emergency directly affecting the lives, safety, and health of the inhabitants of the area encompassed by this ordinance, and the protection of property within those areas, this **ordinance shall take effect and be in full force and effective immediately from and after the enactment of same.** This ordinance having been duly considered and voted upon by the board of directors of the **Boles Fire Protection District** of Franklin County, Missouri, the ordinance is enacted as an ordinance of the **Boles Fire Protection District** of this 1st day of July, 2016

Lloyd Harfst, CHAIRMAN

BOARD OF DIRECTORS

ATTEST:

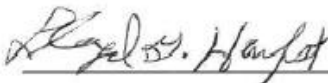


Donna Hrenak., SECRETARY/TREASURER

To the BOARD OF DIRECTORS

(SEAL)

APPROVED:



Lloyd Harfst, Chairman



Harvey Dubbs, Vice
Chairman



Eric Shoemaker, Vice
Chairman

ORDINANCE NO. 26

AN ORDINANCE AMENDING ORDINANCE NO. 25, THE BOLES FIRE PREVENTION CODE OF THE BOLES FIRE PROTECTION DISTRICT, BY REVISING CERTAIN SECTIONS OF THE OF FIRE PREVENTION CODE DEALING WITH CONCEALED AREAS.

WHEREAS, based upon the recommendation of the staff, the Board of Directors believes it to be in the best interests of the residents of the Boles Fire Protection District to revise the Concealed Areas for the safety of the residents.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE BOLES FIRE PROTECTION DISTRICT, FRANKLIN COUNTY, MISSOURI, AS FOLLOWS:

SECTION 1, AMENDMENTS TO THE ICC INTERNATIONAL FIRE PREVENTION CODE/2015 AND ORDINANCE NUMBER 25.

The ICC International Fire Code/2015 and Ordinance Number 25 which adopts same, is hereby amended by deleting section F-903.3.1.2.1.2 in its entirety and inserting the following lieu thereof:

F-903.3.1.2.1.2 Concealed Spaces (Page 111) insert the following new section:

Concealed spaces, attics, and similar enclosures, wholly or partly by exposed combustible construction shall be protected by an automatic sprinkler system in accordance with NFPA 13-13 Section 5-1-1.

SECTION 2. REMAINDER OF ICC INTERNATIONAL FIRE CODE/2015 AND ORDINANCE NUMBER 25 WHICH ADOPTS SAME.

All other provisions of the ICC International Fire Code/ 2015 and Ordinance Number 25 which adopts same shall otherwise remain in full force and effect.

SECTION 3. SAVING CLAUSE.

Nothing in this Ordinance shall be construed to effect any suite or proceeding pending in any Court, or rights acquired or liability incurred, or any causes of action acquired or existing under any act or ordinance hereby repealed, as sited herein; nor shall any just or legal right of remedy or any character be lost, impaired or effected by this Ordinance.

SECTION 4. VALIDITY.

If any Section, subsection, provisions, sentence, clause or phrase of this Ordinance or of the ICC International Fire Prevention Code, 2015 or Amendments to the 2015 Edition of the ICC International Fire Code, is, for any reason, held to be unconstitutional or invalid, such decision shall not affect the validity of the remaining portions of this Ordinance or of said Code, and the Boles Fire Protection District hereby declares that it would have passed the same, even though such portions so held to be unconstitutional and not been included therein.

SECTION 5. DATE OF EFFECT

This Ordinance Number 26 having been duly considered and voted upon by the Board of Directors of the Boles Fire Protection District of Franklin County, Missouri, was duly enacted as an Ordinance of said Fire Protection District on the 13th day of

July, 2017, and the effective date of the Ordinance shall be at 12:01 a.m.

on the July 26, 2017

Lloyd Harfst, CHAIRMAN

BOARD OF DIRECTORS

ATTESTED:



Donna Hrenak., SECRETARY/TREASURER

To the BOARD OF DIRECTORS

(SEAL)



Lloyd Harfst, Chairman



Harvey Dubbs, Vice
Chairman



Eric Shoemaker, Vice
Chairman