

ORDINANCE # 22

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

AN ORDINANCE REPEALING ORDINANCE NUMBER #18 AND ENACTING IN LIEU THEREOF A NEW ORDINANCE PRESCRIBING MINIMUM REQUIREMENTS AND CONTROLS TO SAFEGUARD LIFE, PROPERTY OR PUBLIC WELFARE FROM THE HAZARDS OF FIRE AND EXPLOSION: KNOWN AS THE FIRE PREVENTION CODE: PROVIDING FOR THE ISSUANCE OF PERMITS, COLLECTION OF FEES, MAKING OF INSPECTIONS, PROVIDING PENALTIES FOR VIOLATIONS THEREOF:

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

SECTION 1. INCONSISTENT ORDINANCES REPEALED

Ordinance number # 18 of the Boles Fire Protection District of Franklin County, Missouri, and all other Ordinances or parts of Ordinances in conflict herewith is hereby repealed.

SECTION 2. ADOPTION OF FIRE PREVENTION CODE

That a certain document, three (3) copies of which are on file in the office of the Code Official of the Boles Fire Protection District of Franklin County, Missouri, being marked and designated as “*ICC International Building Code,*” 2006 Edition as published by the International Code Council, Inc., together with the standards which are reference in Chapter 35 (pp.555-573) and its appendices is hereby adopted as the Fire Code of the Boles Fire Protection District of Franklin County, Missouri, for control of buildings and structures as herein provided; and each and all of the regulations, provisions, penalties, conditions, and terms of the “*ICC, International Building Code,*” 2006 Edition, are hereby referred to, adopted and made a part hereof, as if more fully set out in this Ordinance, with the additions, insertions, deletions and changes prescribed in Section 4 of this Ordinance.

SECTION 3. THE INTERNATIONAL BUILDING CODE

The following shall be added to, inserted, deleted, or changed in **The International Building Code, 2006**, First Edition, as follows.

Chapter 1 Administration

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

These regulations shall be known as the Building Code of the **Boles Fire Protection District**, hereinafter referred to as “this Code”

B-101.2 Exception #2 (Page 1) Delete in its entirety. Insert:

Exceptions: 2. Existing buildings undergoing repair, alterations or additions and change of occupancy shall comply with either Chapters 1 through 33 or Chapter 34 of this code.

B-101.3 Intent (Page 1) Delete and insert the following:

The purpose of this code is to establish the minimum requirements to safeguard the public safety and general welfare through means of egress facilitates, and safety to life and property from fire and other hazards attributed to the built environment.

B-101.4.1 Electrical (Page 1) Delete and insert the following:

The provisions of the current International National Electrical Code, and its appendices shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures and fittings, and appurtenances thereto.

B-101.4.3 Mechanical (Page 1) Delete and insert the following:

The provisions of the International Mechanical Code shall apply to the installation, alterations, repairs, and replacement of mechanical systems, including equipment, appliance, fixtures, fittings and /or appurtenances, including ventilating, heating, air conditioning and incinerators:

B-101.4.4 Plumbing (Page 1) Delete in its entirety.

B-101.4.7 Energy (Page 1) Delete in its entirety.

B-102.5 Matters not Provided for (Page 1) Add a new section. Insert:

B-102.5 Matters not Provided for (Page 1) Insert the following:

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.

B-103.1 Creation of Enforcement Agency (Page 2) Delete and insert the following:

The department of fire prevention is hereby created and the official in charge thereof shall be known as the Fire Marshal, Fire Chief, or Fire Official.

B-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.**

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

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

B-103.4 Fire Marshal (Page 2) Insert a new paragraph:

Any where 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.

B-104.2 Applications and Permits (Page 2) Delete and insert the following:

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.

B-104.10 Modifications (Page 2) Delete and insert the following:

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 and 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.

B-104.12 Rule-Making Authority (Page 3) Add a new Section. Insert:

B-104.12 Rule-Making Authority (Page 3) Insert the following:

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

B-105.1 Required. (Page 3) Delete and insert the following:

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.

B-105.1.1 Annual Permit. (Page 3) Delete in its entirety.

B-105.1.2 Annual Permit Records. (Page 3) Delete in its entirety.

B-105.5 Expiration. (Page 4) 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 extension for the completion of 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. The permit may be re-issued one (1) time. After the permit has been re-issued one (1) time the applicant must reapply.

B-105.7 Placement of Permit (Page 5) Delete and insert the following:

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.

B-106.1.1 Application of Seals (Page 5) Add a new section. Insert:

B-106.1.1 Application of seals (Page 5) Insert the following:

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.

B-106.2 Site Plan (Page 5) Insert the following at the end of the first sentence: Also water main size and hydrant location.

B-107.2 Conformance (Page 6) Delete and insert the following:

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-107.3 Temporary Power (Page 6) Delete and insert the following:

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-108.2 Schedule of Permit Fees (Page 6) Delete and insert the following:

B-108.2 Schedule of Permit Fees (Page 6) Insert the following:

The permit fee for all work done in the Boles Fire Protection District shall be as shown in Table 108.2.

B-108.2.1 Inspection and Permit Fees (Page 6) Insert the following:

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

B-108.2.2 Inspection Fees:**Table B-108.2**

	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 B-108.2.3.2	\$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 Stands	Temporary Stands \$1.50 per sq. ft. Permanent 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 B-108.2.3.3	\$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 B-108.2.3.4	\$25.00
18	Request for a Variance	\$100.00
19	Residential Permits (Two Family Dwelling and Accessory Buildings) See B-108.2.3.1	\$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	Special Permits	\$75.00
22	Sprinkler Systems	\$250.00 per Riser
23	Storage of Explosives	\$150.00 per Year, per Location
24	Subdivision Plot Reviews	Large Plot (20 homes or more) \$75.00 Small Plot (20 homes or less) \$25.00
25	Tents or Membrane Structures	\$35.00 for each Structure 100 sq. foot or Larger with the Exception to Camping Tents
26	Work Commencing without a permit from the Boles Fire Protection District	Double Permit Fee

B-108.2.3 Calculating Fees (Page 6) 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.

B-108.2.3.1 Residential Building Permit (Page 6) 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.

B-108.2.3.2 Commercial Building Permits (Page 6) 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.

B-108.2.3.3 Commercial Occupancy Permits (Page 6) Add a new section:

\$50.00 for the first ten thousand (10,000) square feet, plus one dollar (\$1.00) for each additional one thousand square feet or fraction thereof.

B-108.2.3.4 Re-Inspections (Page 6) 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.

B-108.4 Work Commencing Before Permits Issuance (Page 6) Delete in its entirety and insert the following:

B-108.4 Work Commencing Before Permits Issuance (Page 6) Insert the following:

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.

B-108.4.1 Definition (Page 6) Insert the following:

Start of construction is defined as follows:

- 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.

B-109.3.1 Footing or Foundation Inspection. (Page 7) Delete in its entirety and add a new section:

B-109.3.1 Inspections Required and Inspection Placard (Page 7) Insert the following: 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, he will remove the job inspection card.

B-109.3.1.1 Inspection Sequence and Approval (Page 7) 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 110 of the Building Code. Failure to obtain a final inspection before occupancy will constitute a violation of the Building Code, subject to the penalties as described in Section 113.4. 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 B-109.3.2.1 and B-109.3.2.2.

B-109.3.2 Concrete Slab or Under-Floor Inspection (Page 7) Delete and insert the following: 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.

B-109.3.2.1 Framing or Rough-In Inspection (Page 7) Add a new Section. Insert:

B-109.3.2.1 Framing or Rough-In Inspection (Page 7) Insert the following:

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.

B-109.3.2.2 Supplemental Inspections (Page 7) Add a new Section. Insert:

B-109.3.2.2 Supplemental Inspections (Page 7) Insert the following:

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 Code and to properly enforce the rules promulgated by this Code.

B-109.3.5 Lath or Gypsum Board Inspection (Page 7) Delete and insert the following:

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.

B-109.3.7 Energy Efficiency Inspection (Page 7) Delete in its entirety:

B-109.3.10 Final Inspection (Page 7) Delete and insert the following:

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

B-110.3 Certificate Issued (Page 8) Delete and insert the following:

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.

B-110.4 Revocation (Page 8) Delete in its entirety insert:

B-110.4 Revocation (Page 8) Insert the following:

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.

B-110.5 Certificate Required (Page 8) Add a new Section. Insert:

B-110.5 Certificate Required (Page 8) Insert the following:

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 and shall subject said owner or tenant to the penalties prescribed in Section 113.4.

B-110.5.1 Fee Required (Page 8) Add a new Section. Insert:

B-110.5.1 Fee Required (Page 8) Insert the following:

The fee for a Certificate of Occupancy shall be as stated in Table 108.2.

B-112 Board of Appeals (Page 8) Delete in its entirety and insert the following:

B-112 Means of Appeals (Page 8) 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.

B-113.4 Violation Penalties (Page 8) 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.

B-113.5 Unlawful Continuances (Page 8) Add a new section. Insert:

B113.5 Unlawful Continuance (Page 8) Insert the following:

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 B-113.4 of this Ordinance.

B-113.6 Civil Action (Page 8) Add a new section. Insert:

B-113.6 Civil Action (Page 8) Insert the following:

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.

B-115.1 Conditions (Page 9) Delete and insert the following:

Structures or existing equipment that are, or 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 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.

Chapter 2 Definitions

B-202.0 General Definitions (Page 11) Insert the following:

Family day care home: Add a new definition as follows:

- **Family day care home:** A family home occupied as a permanent residence by the day care provider, in which family-like care is given for more than four (4) children, but not more than ten (10) children, not related to the day care provider, for any part of the twenty-four (24) hour day.

Change of Occupancy 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.

All words and phrases and their definitions as set out in Section 2 of the “International Building Code” 2006, First Edition, are hereby adopted by reference as though fully set out herein with the following exceptions:

Chapter 3 Use and Occupancy Classification

B-308.3 Group I-2 (Page 33) Delete in its entirety. Insert the following:

B-308.3 Group I-2 (Page 33) This occupancy shall include buildings and structures used for medical, surgical, psychiatric, nursing or custodial care on a 24-hour basis of more than five persons who are not capable of self-preservation. This group shall include, but not be limited to, the following:

1. Hospitals

2. Nursing homes (both intermediate-care facilities and skilled nursing facilities)
3. Mental hospitals
4. Detoxification facilities

A facility such as the above with five or fewer persons shall be classified as Group R-3 or shall comply with the *International Residential Code* in accordance with B-101.2. A family day care home shall be classified as a residential use group.

CHAPTER 4 Special Detailed Requirements Based on Used and Occupancy

B-402.7.2 Tenant Separations (Page 38) Delete in its entirety. Insert:

B-402.7.2 Tenant Separations (Page 38) Insert the following:

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 space and a mall, except for occupancy separations required elsewhere in this code.

B-403.2.1 Secondary Water Supply (Page 40) 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.

B-406.1.3 Garages and Carports (Page 43) Delete and insert the following:

Private garages and carports shall be separated from the residence and its attic area by means of minimum 5/8-inch fire rated drywall applied to the garage side. 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 the garage and the residence shall be equipped with either solid wood door not less than 1 3/4 inches thick or steel door meeting a rating requirement of 20 minutes. This type of door must have a label on the door stating the hourly rating. Opening from a private garage directly into a room used for sleeping purposes shall not be permitted. Exposed duct work and plumbing is prohibited in the garage. Such materials must be covered with 5/8-inch fire rated drywall. Floor surfaces shall be of approved noncombustible material. The area of floor used for parking of automobiles or other vehicles shall be sloped to facilitate the movement of liquids to a drain towards the main vehicle entry doorway.

B-406.1.4 Separation Shall Comply with the following (Page 43) Delete the and insert the following

B-406.1.4 Separations Shall Comply with the following (Page 43) Insert the following:

1. The private garage shall be separated from the dwelling unit and its attic area by means of a minimum 5/8-inch Type X gypsum board 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 Type X gypsum board or equivalent. Door openings between a private garage and the dwelling unit shall be equipped with either solid wood doors or solid or honeycomb core steel doors not less than 1 3/4 inches thick, or doors in compliance with Section 715.4.3. 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 from the garage shall be constructed of a minimum 0.019-inch (0.48 mm) sheet steel and shall have no openings into the garage.

B-415.8.1 General (Page 66) Delete in its entirety and insert the following:

B-415.8.1 General (Page 66) Delete and insert the following:

Electrical equipment and devices within the fabrication area shall comply with the current NFPA 70 National Electrical Code. The requirements for hazardous locations need not be applied where the average air change is at least four (4) times that set forth in Section B-415.9.2.6 and where the number of air changes at any location is not less than three (3) times that required by Section B-415.9.2.6 the use of re-circulated air shall be permitted.

Chapter 5 General Building Height and Areas

B-501.1.1 General (Page 75) insert the following new section:

The following words and terms shall, for the purposes of this chapter and as stated elsewhere in this code, have the meanings shown herein.

- **Street address number sign:** A sign which designates the street number assigned to a particular house, building or structure.
- **Re-occupancy:** Any change in ownership, occupancy or use of the structure which would necessitate the issuance of a new certificate of occupancy under any other provision of this code.

B-501.2 Premises Identification (Page 75) Delete in its entirety:

B-501.2 Premises Identification (Page 75) 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.

B-501.2.1 Residential Property (Page 75) Insert a new sub-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.

B-501.2.2 Commercial Property (Page 75) Insert a new sub-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.

B- 501.2.3 Street Address Number Signs-Remote Exit (Page 79) Add a new sub-section:

In addition to the street address number sign required by Section 501, 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.

B-501.2.4 New Construction (Page 75) Add a new sub-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.

B-501.2.5 Remodel or Renovations (Page 75) Add a new sub-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.

B-501.2.6 Existing Structures (Page 75) Add a new sub-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 Code 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.

B-501.2.7 Re-occupancy (Page 75) Add a new sub-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.

Chapter 7 Fire Resistance Rated Construction

B-708.4 Continuity (Page 100) Insert the following:

Exceptions: exceptions 4, 5, and 6 delete in its entirety.

B-708.4.1 Residential Occupancies (Page 100) 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.
5. Openings in the roof shall not be located within five (5) feet of the firewall.

B-717.2.5.1 Fire Stopping of Type III, IV, and V Construction (Page 114) Add a new section:

All openings around vents, pipes copper and plastic, wiring and conduit and at each penetration of the top or bottom plate of wood frame construction. Materials used must resist the free passage of flame and products of combustion. When metal flashing is used it must be tight to the pipe or caulked with an approved fire caulk. When caulk is used it must be placed in the annular space around the pipe, duct, or wire. Materials approved are metal flashing and a fire rated caulk designed to stop the spread of flame and smoke as stated in the UL design manual.

B-717.3.1 Draftingstopping Materials (Page 114) Delete in its entirety:

B-717.3.1 Draftstopping Materials (Page 114) Insert the following:

Draft stopping material shall not be less than ½ inch gypsum board or 3/8 inch plywood as approved by the Fire Marshal.

Chapter 9 Fire Protection Systems

B-903.3.7.2 No Parking Areas at Fire Department Connections (Page 177) Add a new Section. Insert:

B-903.3.7.2 No parking Areas at Fire Department Connections (Page 177) Insert the following:

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.

B-903.4.1 Signals (Page 178) Delete in its entirety:

B-903.4.1 Signals (Page 178) insert the following:

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

B-903.4.2.1 Fire Suppression Systems (Page 178) Add a 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 35.

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.
5. Limited area sprinkler systems
6. Occupancies in Use Group R complying with Section 903.3.1.2 and supervised in accordance with NFPA 13R listed in Chapter 35.

B- 903.5.3 Water Flow Test (Page 178) Add a new Section. Insert:

B-903.5.3 Water Flow Tests (Page 178) Insert the following:

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.

B-903.5.3.1 Water Flow Safety Factor (Page 178) Add a new Section. Insert:

B-903.5.3.1 Water Flow Safety Factor (Page 178) Insert the following:

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.

B-903.6 Post or Wall Indicator Valves (Page 178) Add a new section:

All automatic sprinkler systems, except limited area sprinkler systems, shall be provided with a post or wall indicator valve that shall control the water supply to all automatic sprinkler systems in that building.

B-904.11.7 Safety Requirements (Page 180) Add a new Section. Insert:

B-904.11.7 Safety Requirements (Page 180) Insert the following:

Where persons will be exposed to an alternative automatic fire-extinguishing system discharge, warning signs and discharge alarms shall be provided.

B-904.11.8 Acceptance Test (Page 180) Add a new section. Insert:

B-904.11.8 Acceptance Tests (Page 180) Insert the following:

All alternative automatic fire-extinguishing systems shall be tested in accordance with this section. A completed 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 extinguishing agent or factory advised agent. Discharge quantities shall be in accordance with the manufacturer's installation information. 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.

B-907.14 Monitoring (Page 180) Delete in its entirety. Insert:

B-907.14 Monitoring (Page 180) Insert the following:

All fire alarm and detection systems shall be monitored by an approved central station as defined in NFPA 72.

Exception: Supervisory service is not required for:

1. Automatic sprinkler systems in one- and two-family dwellings.

B-907.2.1 Group A (Page 182) Delete in its entirety. Insert:

B-907.2.1 Group A (Page 182) Insert the following:

A manual fire alarm system shall be installed in Group-A occupancies having an occupant load of 300 or more. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

B-907.2.2 Group B (Page 182) Delete in its entirety:

B- 907.2.2 Group B (Page 182) Insert the following:

A manual fire alarm system shall be installed in Group B occupancies having an occupant load of 500 or more persons or more than 100 persons above or below the lowest level of exit discharge.

B-907.2.3 Group E (Page 182) Delete in its entirety:

B- 907.2.3 Group E (Page 182) Insert the following:

A manual fire alarm system 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.

B-907.2.4 Group F (Page 183) Delete in its entirety:

B-907.2.4 Group F (Page 183) Insert the following:

A manual fire alarm system shall be installed in Group F occupancies that are two or more stories in height and have an occupant load of 500 or more above or below the lowest level of exit discharge.

B-907.2.6.3.3 Smoke Detectors (Page 183) Delete in its entirety:

B-907.2.6.3.3 Smoke Detectors (Page 183) Insert the following

An approved automatic smoke detection system shall be installed throughout residential housing areas, including sleeping areas and contiguous day rooms, group activity spaces and other common spaces normally accessible to residents.

Exceptions:

1. Other approved smoke-detection arrangements providing equivalent protection including, but not limited to placing detectors in exhaust ducts from cells or behind protective guards listed for the purpose are permitted when necessary to prevent damage or tampering.
2. Sleeping rooms in Use Conditions 2 and 3.

B-907.2.7 Group M (Page 184) Delete in its entirety:

B- 907.2.7 Group M (Page 184) Insert the following:

A manual fire alarm system shall be installed in Group M occupancies having an occupant load of 500 or more persons or more than 100 persons above or below the lowest level of exit discharge. The initiation of a signal from a manual fire alarm box shall initiate alarm notification appliances as required by Section 907.9.

B-907.2.10.1.1 Group R-1 (Page 185) Delete in its entirety:

B-907.2.10.1.1 Group R-1 (Page 185) Insert the following.

Single-or multiple-station smoke alarms shall be installed in all of the following locations in Group R-1:

1. In sleeping areas.
2. In every room in the path of the means of egress from the sleeping area to the door leading from the guestroom or suite.
3. In each story with the guestroom or suite including basements

B-907.2.10.1.2 Groups R-2, R-3, R4 and I-1 (Page 185) Delete locations insert the following:

1. Outside each sleeping area on the ceiling or wall and 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.

B-907.2.10.1.2.1 Additional Standards (Page 185) Add a new section:

Where sleeping room ceilings slope greater than one (1) foot rise per right eight (8) foot, (1 M rise per 8 M) horizontal, smoke detector shall be located at the high side of the room.

B-912.6 No Parking Areas at Fire Department Connections (Page 199) Add a new section:

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

B-912.7 Fire Hydrant to Fire Department Connection (Page 210) Add a new section:

There shall be a fire hydrant within one hundred fifty (150') of all fire department connection.

B-912.8 Fire Department Connection Signs (Page 199) Add a new section:

A white reflective sign with the minimum of 6 inch red letters that shall read "FDC" and shall be placed above all fire department connections in a location approved by the Fire Marshal.

B-913.0 Public Fire Hydrants (Page 199) Add a new section:

Fire hydrants installed shall be located and installed as directed by the Fire Official. All hydrants shall conform to the standards of the 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.

B-913.1 Applicability (Page 199) Add a new section:

Notwithstanding anything to the contrary herein below stated, Section B-913.0 shall apply only where a public water supply is available.

B-913.2 New Structures (Page 199) Add a new section:

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

B-913.3 Installation of other New Fire Hydrants (Page 199) Add a 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.

B-913.4 New Subdivisions (Page 199) Add a 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 of the Boles Fire Protection District a plot of the aforesaid subdivision, indicating the location of the proposed installation of the fire hydrants within such subdivision, and the number of hydrants, shall be approved by the Code Official. Further, no such construction shall be commenced unless the aforementioned plats and proposals are complied with completely, with such compliance being in the sole discretion of the Code Official.

B-913.5 Access (Page 199) Add a new section:

The commencement of construction of any new subdivision, building, structure 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.

B-913.6 Building Permits (Page 199) Add a new section:

The Fire Official of the District shall not approve nor issue building permits for the construction of any new subdivision, new building, 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.

B-913.7 Exceptions/Variance (Page 199) Add a 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 Boles Fire Protection 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.

B-913.8 Existing Building and Structures (Page 199) Add a new section:

Upon inspection of any building or structure within the District, if the Fire Marshal of the District shall find that it is necessary that a fire hydrant be installed, and that there is available within the distance from such building or structure, (indicated by the standard hydrant spacing practices of the District) a water supply 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 a fire hydrant, or hydrants, is necessary for adequate fire fighting at such building or structure, 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 cause to be installed one or more fire hydrants, as the Fire Marshal may determine are necessary to 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 as ordered by the Fire Official, then the Fire Marshal may revoke the occupancy and use permits or 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.

B-913.9 Fire Hydrants (Page 199) Add a new section:

Fire hydrants shall be color coded in accordance with Section B-913.10.

B-913.10 Color Coding of Public and Private Fire Hydrants (Page 199) Add a 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

B-913.11 Obstructions (Page 199) Add a new section:

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

B-913.11.1 Minimum Fire Flow - Single Hydrant (Page 199) Add a new Section. Insert:

B-913.11.2 Minimum Fire Flow - Single Hydrant (Page 199) Insert the following:

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.

B-913.11.3 Minimum Fire Flow - Next Two Hydrants (page 199) Add a new Section. Insert:

B-913.11.4 Minimum Fire Flow - Next Two Hydrants (Page 199) Insert the following:

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.

B-913.12 Fire Hydrant Placement (Page 199) Add a new section:

B-913.13 Single Family Residential (Page 199) Add a 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.)

B-913.14 Multi-Family Residential (Page 199) Add a 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.)

B-913.15 High Hazard Development (Page 199) Add a 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.)

B-913.16 Other Use Groups (Page 199) Add a 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.)

B-913.17 Area to be Provided with Fire Hydrants (Page 199) Add a new section:

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

B-913.18 Fire Hydrant Spacing (Page 199) Add a 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.

B-913.19 Private Fire Hydrants (Page 199) Add a 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 drive able 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.

B-913.20 No Parking Area at Fire Hydrant (Page 199) 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.

B-913.21 Unacceptable Locations for Fire Hydrants (Page 199) Add a new section:

1. Within twenty-five feet (25') of an intersection or cross street
2. Within a cul-de-sac or eye-brow or within fifty feet (50') of either such construction
3. At any location where the fire hydrant could be damaged by vehicular traffic.

B-913.22 Required Locations (Page 199) Add a 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.

B-913.23 Supply Systems: (Page 199) Add a new section where required:

B-913.24 Use Groups R-2 (Page 199) Add a 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.

B-913.25 Use Groups R-3 and R-4 (Page 199) Add a 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.

B- 913.26 Prohibited Locations (Page 199) Add a new Section. Insert:

B-913.26 Prohibited Locations (Page 199) Insert the following:

A fire hydrant shall not be placed at any location where the fire hydrant could be damaged by vehicular traffic.

B-913.27 Relocation of Fire Hydrants (Page 199) Add a new section:

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

B-913.28 Fire Hydrant Set Back Distance (Page 199) Add a new section:

All fire hydrants shall be set back from the curb or edge of pavement no further than twelve feet (12').

B-913.29 Fire Hydrant Connection Height (Page 199) Add a 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.

B-913.30 Fire Hydrant Type (Page 199) Add a 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.

B-913.31 Obstructions (Page 199) Add new section:

There shall be no obstructions including the planting of bushes or trees or the installation of signs, light standards, etc., within six feet (6') of any fire hydrant in any direction.

B-913.32 Water Flow Test (Page 199) Add a 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.

Chapter 10 Means of Egress

B-1004.3 Posting of Occupant Load (Page 203) Delete in its entirety:

B-1004.3 Posting of Occupant Load (Page 203) 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.

B-1003.5 Elevation Change (Page 203) Delete in its entirety.

B-1006.3 Illumination Emergency Power (Page 205) Delete in its entirety:

B-1006.3 Illumination Emergency Power (Page 205) Insert the following:

Exit signs shall be illuminated at all times. To ensure continued illumination for duration of not less than 90 minutes in case of primary power loss, the exit signs shall be connected to an emergency electrical system provided from storage batteries, unit equipment or an on-site generator. The installation of the emergency power system shall be in accordance with the current NFPA 70 National Electrical Code.

Exception: Approved exit signs that provide continuous illumination independent of external power sources for duration of not less than 90 minutes, in case of primary power loss, are not required to be connected to an emergency electrical system.

B-1013 Guards. (Page 217) Delete all except the exceptions and insert the following:

Guards shall be located along open-sided walking surfaces, mezzanines, industrial equipment platforms, stairways, ramps and landings which are located more than 30 inches above the floor or grade. Guards shall also be located along glazed sides of stairways, ramps, and landings that are located more than 30 inches above the floor or grade below.

B-1008.1.8.3 Locks and latches (Page 210) 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. Where egress doors are used in pairs, approved automatic flush bolts may be used, provided that the door leaf having the automatic flush bolts has no doorknob or surface-mounted hardware. The unlatching of any leaf shall not require more than one operation.
3. Doors from individual dwelling units and guestrooms of Group R occupancies having an occupant load of 10 or less may be equipped with a night latch, dead bolt or security chain, provided that such devices are open able from the inside without the use of a key or tool.
4. Existing occupancies with double cylinder dead bolts may be permitted with the approval of the Fire Marshal.

Exception:

- A. Residential occupancies are not allowed double cylinder dead bolt.

B-1008.1.8.4 Bolt Locks (Page 211) 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.

B-1008.1.8.4.1 Gate Locks (Page 210) 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.

B-1008.1.8.7 Stairway doors (Page 211) Delete in its entirety and insert the following:

Interior stairway means of egress doors shall be open able from both sides without the use of a key or special knowledge or effort.

Exceptions:

1. Stairway discharge doors shall be open able 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 B-403.11.
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 open able from the egress side and a key is provided to be installed in a Knox Box.

B-1014.6 Egress Through Intervening Spaces (Page 220) Insert a new section:

Egress from a room or space shall not pass through adjoining or intervening rooms or areas, except where such adjoining rooms or areas are accessory to the area served; are not high-hazard occupancy; and provide a demarcated minimum 44-inch wide aisle to an exit. A maximum of one exit access shall be permitted to pass through a kitchen, storeroom, restroom, closet or similar space provided that passage through such space is not the only means of access to an exit. An exit access shall not pass through a room subject to locking. Means of egress from dwelling units, or sleeping areas shall not lead through other sleeping areas, toilet rooms or bathrooms. Means of egress are not prohibited through adjoining or intervening rooms or spaces in Group H occupancy when the adjoining or intervening rooms or spaces are the same or lesser hazard occupancy group.

B-1025.11 Assembly Aisles Walking Surfaces (Page 231) Delete in its entirety.

B1025.12 Seat Stability (Page 231) Delete in its entirety.

B-1026.4 Operational Constraints (Page 233) Delete 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 11 Accessibility (Page 235-247) Delete this entire chapter exclusive of the following:

B-1102.0 Definitions (Page 235)

Chapter 12 Interior Environment Delete this entire Chapter exclusive of the following:

B-1201 General (Page 249)

B-1202 Definitions (Page 249)

B-1205.4 Stairway illumination (Page 251)

B-1205.4.1 Controls (Page 251)

B-1205.5 Emergency egress lighting (Page 251)

B-1206 Yards or Courts (Page 251)

B-1208 Interior space dimensions (Page 251).

B-1209 Access to Unoccupied Spaces (Page 252)

B-1209.2 Attic Spaces (Page 252) Delete 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 252) 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-1210 Surrounding Materials (Page 252) Delete in its entirety.

Chapter 13 Energy Efficiency (Page 253) Delete in its entirety.

Chapter 14 Exterior Walls (Page 255) Delete all except the following sections:

B-1401 General (Page 255)

B-1402 Definitions (Page 255)

B-1406 Combustible Materials on the Exterior Side of Exterior Walls (Page 260)

B-1407 Metal Composite Materials (MCM) (Page 261) Delete all except the following:

B-1407.1 General (Page 261)

B-1407.8 Fire-Resistance Rating (Page 261)

B-1407.9 Surface Burning Characteristics (Page 272)

B-1407.10 Types I, II, III, and IV construction (Page 261)

B-1407.10.2 Thermal Barriers (Page 261)

B-1407.10.3 Thermal Barrier not Required (Page 261)

B-1407.10.4 Full-Scale Tests (Page 262)

B-1407.11 Alternate Conditions (Page 262)

B-1407.11.1 Installations up to 40 feet in Height (Page 262)

B-1407.11.1.2 Fire Separation Distance (Page 262)

B-1407.11.2 Installations up to 50 feet in Height (Page 262)

B-1407.11.2.2 Limitations (Page 262)

B-1407.12 Type V Construction (Page 262)

B-1407.13 Labeling (Page 262)

Chapter 15 Roof Assemblies and Rooftop Structures (Page 263) Delete all except the following:

B-1501 General (Page 263)

B-1502 Definitions (Page 263)

B-1505 Fire Classifications (Page 265)

B-1506 Materials (Page 265)

B-1507.8 Wood Shingles (Page 271)

B-1507.8.4 Material Standards (Page 271)

B-1507.9 Wood Shakes (Page 272)

B-1507.9.5 Material Standards (Page 273)

B-1509 Rooftop Structures (Page 275)

B-1510 Re-Roofing (Page 276) Delete in its entirety and insert the following sections:

B-1510.1 Attic Space (Page 276) 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-1510.2 Attic Access (Page 276) Insert a new sub-section.

Access to the attic area must meet the requirements found in 1208.2

B-1510.3 Sprinkler System (Page 276) 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 16 Structural Design (Page 277-326) Delete in its entirety.

Chapter 17 Structural Tests and Special Inspections (Page 327) Delete all sections exclusive of the following:

B-1701 General (Page 327)

B-1702 Definitions (Page 327)

B-1703 Approvals (Page 328)

B-1704.10 Sprayed Fire-Resistant Materials (Page 335)

B-1704.10.1 Structural Member Surface Conditions (Page 335)

B-1704.10.2 Application (Page 335)

B-1704.10.3 Thickness (Page 335)

B-1704.10.3.1 Floor, Roof, and Wall Assemblies (Page 336)

B-1704.10.3.2 Structural Framing Members (Page 336)

B-1704.10.5 Bond Strength (Page 336)

B-1704.10.5.1 Floor, roof, and wall assemblies (Page 336)

B-1704.10.5.2 Structural framing members (Page 336)

B-1704.14 Special Inspection for Smoke Control (Page 336)

B-1704.14.1 Testing Scope (Page 336)

B-1704.14.2 Qualifications (Page 336)

Chapter 18 Soils and Foundations (Page 343-371) Delete in its entirety:

Chapter 19 Concrete (Page 373-383) Delete in its entirety:

Chapter 20 Aluminum (Page 385) Delete in its entirety.

Chapter 21 Masonry (Page 387-416) Delete all Sections exclusive of the following:

B-2101.1 Scope (Page 387)

B-2101.3.1 Fireplace Drawings (Page 387)

B-2102 Definitions and Notations (Page 387)

B-2111 Masonry Fireplaces (Page 408)

B-2112 Masonry Heaters (Page 411)

B-2113 Masonry Chimneys (Page 411)

B-2114.1 Installation and Inspection of Pre-fabricated Fireplaces (Page 415) Insert 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 415) Insert 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 22 Steel (Page 417-419) Delete all sections exclusive of the following:

B-2202 Definitions (Page 417)

Chapter 23 Wood (Page 421-494) Delete all sections exclusive of the following:

B-2302 Definitions (Page 421)

B-2303.2 Fire-Retardant Treated Wood (Page 423)

B-2303.2.1 Labeling (Pages 424)

B-2303.2.3 Exposure to Weather, Damp or Wet Locations (Page 424)

B-2303.2.4 Interior applications (Page 424)

B-2303.2.6 Type I and II Construction Applications (Page 424)

B-2304.9.5 Fasteners in Preservative-Treated and Fire-Retardant-Treated Wood (Page 430)

B-2304.10 Heavy Timber Construction (Page 430)

Chapter 24 Glass and Glazing (Page 495-500) Delete all sections exclusive of the following:

B-2405.4 Framing (Page 497)

B-2407 Glass in Handrails and Guards (Page 500)

Chapter 25 Gypsum Board and Plaster (Page 501-506) Delete all sections exclusive of the following:

B-2501.1.1 General (Page 501)

B-2502 Definitions (Page 501)

B-2506.2 Standards (Page 502)

B-2507.2 Standards (Page 502)

B-Table 2508.1 (Page 502)

Chapter 29 Plumbing Systems (Page 521) Delete in its entirety:

Chapter 30 Elevators and Conveying Systems (Page 525) delete all Sections exclusive of the following:

B-3001.2 Referenced Standards (Page 525)

B-3002 Hoistway Enclosures (Page 525)

B-3003 Emergency Operations (Page 525)

B-3004 Hoistway Venting (Page 526)

B-3005.2.1 Enclosure (Page 526)

B-3005.3.1 Enclosure (Page 526)

B-3006.1 Access (Page 527)

B-3006.2 Venting (Page 527)

B-3006.3 Pressurization (Page 527)

B-3006.4 Machine Rooms and Machinery Spaces (Page 527)

B-3006.5 Shunt trip (Page 527)

Chapter 31 Special Construction (Page 529)

B3105.1 General (Page 531) 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.

B-3107 Signs (Page 532) delete in its entirety.

B-3108 Radio and Television Towers (Page 532) delete all sections exclusive of the following:

B-3108.5 Grounding (Page 532) Towers shall be permanently and effectively grounded per current NFPA 70 National Electrical Code.

B-3109 Swimming Pools Enclosures and Safety Devices (Pages 532 – 534) delete in its entirety.

Chapter 32 Encroachments into the Public Right-Of-Way (Page 535) Delete in its entirety.

Chapter 33 Safeguards During Construction (Page 537) delete all sections exclusive of the following:

B-3301.2 Storage and Placement (Page 537)

B-3302 Construction Safeguards (Page 537)

B-3303.3 Means of Egress (Page 539)

B-3308.1.1 Obstructions (Page 539)

B-3309 Fire Extinguishers (Page 539)

B-3310 Exits (Page 539)

B-3311 Standpipes (Page 539)

B-3312 Automatic Sprinkler Systems (Page 540)

Chapter 34 Existing Structures (Page 541-553) Delete all sections exclusive of the following:

B-3403.2 Structural (Page 541) Delete in its entirety.

B-3409 Accessibility for Existing Buildings (Pages 543 – 545) Delete in its entirety.

B-3410.2 Applicability (Page 545) Insert **June 28, 1974, as [DATE TO BE INSERTED BY THE JURISDICTION]**

Appendix A Employee Qualifications (Page 575) Delete in its entirety.

Appendix B Board of Appeals (Page 577) Delete in its entirety.

Appendix D Fire Districts (Page 581) Delete in its entirety.

Appendix E Supplementary Accessibility Requirements (Page 585-590) Delete in its entirety.

Appendix F Rodent Proofing (Page 591) Delete in its entirety.

Appendix G Flood Resistant Construction (Page 593-598) Delete in its entirety.

Appendix I Patio Covers (Page 603) Delete in its entirety.

Appendix J Grading (Page 605-608) Delete in its entirety.

Appendix K ICC Electrical Code (Page 609-636) Delete in its entirety.

SECTION 4 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 5 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 6 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, phase 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 7 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 effect 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 8th day of February, 2007.

August R. Holthaus, CHAIRMAN
BOARD OF DIRECTORS

ATTEST:

Michael F. Casey Jr., SECRETARY/TREASURER
BOARD OF DIRECTORS

(SEAL)

APPROVED:

August R. Holthaus, Chairman

Lloyd Harfst, Vice-Chairman

Michael F. Casey Jr. Secretary/Treasurer