

**COUNCIL BILL NO. 2019-356**

**ORDINANCE NO. 2019-047**

AN ORDINANCE amending Chapter 26 Buildings and Building Regulations by repealing and enacting a new Article III, Building Code, and setting a date when this ordinance shall become effective.

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF JOPLIN, MISSOURI, as follows:

Section 1. That Chapter 26, Buildings and Building Regulations, Article III Building Code, be repealed, and a new Chapter 26, Buildings and Building Regulations, Article III, Building Code, be enacted to read as follows:

“ARTICLE III BUILDING CODE\*

Sec. 26-61. - Building code adopted.

The 2018 Edition of the International Building Code including Appendix Chapters C, F, G, I, J, as supplemented or amended, is hereby adopted and made a part hereof by reference as the basic building code of the city. A copy of said code as supplemented or amended, duly certified, has been and now is filed in the office of the city clerk.

Sec. 26-62. - Amendments to the International Building Code.

The building code adopted by section 26-61 of this article is hereby amended, changed, and altered, as follows:

Section 101.1 is amended by inserting [City of Joplin, Missouri]

Section 105.2 - “Building Item 1” replace 120 square feet with 200 square feet.

Section 105.2 – “Building Item 2” Deleted in its entirety.

Chapter 13 Energy Efficiency is deleted in its entirety.

Section 1404.11 is amended by adding the following paragraph:

Material commonly known as "corrugated sheet iron"; "corrugated sheet steel", "strong barn", etc., will not be permitted to be used as an exterior finish on any commercial or residential building. It shall also not be permitted or allowed as roofing material on any type building or structure.

Section 1608 of the building code is hereby amended to provide that 30 pounds per square foot, non-reduced snow load be utilized in determining the design snow loads for roofs, in no case, shall the design roof snow load be less than 30 pounds per square foot.

Section 1612.3 is amended by inserting: [City of Joplin].

Section 1612.3 is amended by inserting: [The most current Effective Flood Insurance Rate Map].

Section 1809.5 is amended by adding the following paragraphs to the existing section.

The depth of footings for frost protection shall be 30 inches from finish grade to bottom of footing.

Accessory - residential or commercial storage type buildings with approved treated skids or the "portable" type for moving from one location to another, are exempt from the footing requirements if under 200 square feet but shall be required to be anchored or tied down in an approved manner to prevent possible overturning from a minimum 90 mph wind.

Sec. 26-63. - Penalties.

Notwithstanding any other provision of this article, a person violating any provisions of this article or obstructing its enforcement shall be deemed guilty of a misdemeanor, and upon conviction thereof in municipal court, shall be subject to punishment as provided in section 1-5 of the Joplin City Code.

Sec. 26-64. – Work by homeowners.

Nothing in this article shall prevent any bona fide home-owner from doing their own work in, or on, their own family residence in which they, or they and their family legally reside, providing that all materials and methods used comply with this article and other applicable codes, that the owner has a permit from the City of Joplin, that they personally, purchases all materials used and personally perform all labor, and that all required inspections are made and a certificate of completion issued by the building official or his designee.

Sec. 26-65. – Work by other than homeowners.

Work on any structure, other than work by bona fide homeowners as defined under section 26-64, shall be performed by permitted, licensed contractors.

Sec. 26-66. - Residential code adopted.

The 2018 Edition of the International Residential Code for One and Two Family Dwellings including Appendix Chapters A, B, C, D, H, I, J, M, N, O, P, as supplemented or amended, is hereby adopted and made a part hereof by reference as the basic residential building code of the city. A copy of said code as supplemented or amended, duly certified, has been and now is filed in the office of the city clerk and the same is incorporated as if fully set out at length in this article.

Sec. 26-67. - Amendments to the International Residential Code.

The [residential] building code adopted by section 26-66 of this article is hereby amended, changed, and altered, as follows:

Section R101.1 is amended by inserting: [City of Joplin, Missouri.].

Section R104.11 is amended by adding the following paragraph to the existing section:

The alternative method commonly known as "pole barn" or "laminated pole" type structures shall be limited to commercial buildings and accessory buildings only and not for residential dwelling units.

Section R105.2 is amended by deleting item 2 in its entirety.

Section R105.2 is amended by deleting item 5 in its entirety.

Table R301.2 (1) is amended by inserting:

GROUND SNOW LOAD	30 psf
WIND SPEED	90 mph
TOPOGROPHIC EFFECTS	NO
SPEACIAL WIND REGION	NO
SEISMIC DESIGN CATEGORY	A
WEATHERING	Severe
FROST LINE DEPTH	30 inches
TERMITE	Moderate to heavy
WINTER DESIGN TEMP	9 degrees
ICE BARRIER UNDERLAYMENT REQUIRED	No
FLOOD HAZARDS	December 8, 1976 November 2, 2012
AIR FREEZING INDEX	500
MEAN ANNUAL TEMP	55 degrees F

Section R403.1.1 is amended by adding wording: "All footings for residential construction are to be at least 16 inches in width and eight inches in thickness."

R403.1.6 Foundation anchorage. Replace "...anchor bolts spaced a maximum of 6 feet on center" with "anchor bolts spaced a maximum of four (4) feet on center".

Section R 404.1.2.1 Masonry foundation walls is amended to read as follows:

"R 404.1.2.1 Masonry foundation walls. Concrete masonry and clay masonry foundation walls shall be constructed as set forth in Table R404.1.1(1), R404.1.1(2), R404.1.1(3) or R404.1.1(4) and shall comply with applicable provisions of Sections R606. In buildings assigned to Seismic Design Categories D0, D1 and D2, concrete masonry and clay masonry foundation walls shall also comply with Section R404.1.4. Rubble stone masonry foundation walls shall be constructed in accordance with Sections R404.1.8 and R606.4.2. Rubble stone masonry walls shall not be used in Seismic Design Categories D0, D1 and D2.

Regardless of the height of unbalanced backfill referenced in the tables, every masonry foundation shall have a minimum of one #4 reinforcing bar a maximum of every 4' on center that is securely anchored in the supporting footing under the wall. The block cells that contain the reinforcing steel and the anchor bolts shall be filled with concrete. If the tables require more than this minimum, then the requirements of the tables shall apply."

Section R802.11 Roof tie-down. is amended to read by adding the following paragraph:

"All trusses and rafters shall be fastened to the supporting wall assembly by mechanical connections capable of providing the resistance required in Table R802.11. In no case shall the connections be made by solely toenailing."

Chapter 11 Energy Efficiency is deleted in its entirety and replaced with the Chapter 11 provisions

of the 2006 International Residential Code.

Exception: The insulation requirement for floors shall not be required.

Section P3008.1 Backwater Valves is amended to read as follows:

the building  
"All plumbing fixtures shall be protected by a backwater valve installed in drain."

Section E3406.11.1, Exception is amended to read:

"Splices shall be permitted within surface-mounted raceways that have removable covers, subject to fill requirements."

Section E3608 shall be amended by adding the following paragraph at the beginning:

"The primary grounding electrode for all new construction shall be a concrete-encased electrode as defined by section E 3608.1.2"

Sec. 26-68. - Mechanical code adopted.

The 2018 Edition of the International Mechanical Code including Appendix Chapters A, as supplemented or amended, is hereby adopted and made a part hereof by reference for the purpose of regulating and controlling the installation of mechanical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings, and/or appurtenances thereto, including ventilating, heating, cooling, air conditioning and refrigeration systems, incinerators and other energy related systems. A copy of said code as supplemented or amended has been and now is filed in the office of the city clerk and the same is incorporated as if fully set out at length in this division.

Sec. 26-69. - Amendments to the International Mechanical Code.

The mechanical code adopted by section 26-68 of this article is hereby amended, altered, and changed as follows:

Section 101.1 is amended by inserting the name of this jurisdiction, "City of Joplin, Missouri."

Section 106.5.2 is amended to read as follows:

106.5.2 Fee Schedule: The permit fees for all mechanical work shall be as indicated in section Article IV of Chapter 26 of the Joplin City Code.

Section 106.5.3, Fee Refunds, is deleted.

Section 108.4 is amended to read as follows:

108.4 Violation Penalties: Any person who shall violate a provision of this code or who shall fail to comply with any of the requirements thereof, or who shall install mechanical work in violation of an approved plan or directive of the Building Official or his designee or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor, punishable as provided in section 1-5 of the Joplin City Code.

Section 108.5 is amended to read as follows:

108.5 Stop Work Orders: Any person who shall continue any mechanical work in or about the structure after having been served with a stop work order, except such work as he/she is directed to perform to remove a violation or unsafe conditions, shall be subject to punishment as provided in section 1-5 of the Joplin City Code.

Sec. 26-70. – Fuel and Gas Code adopted.

The 2018 Edition of the International Fuel Gas Code including Appendix Chapters A, B, C, as supplemented or amended, is hereby adopted and made a part hereof by reference for the purpose of regulating and governing fuel gas systems and gas fired appliances in the city. A copy of said code as supplemented or amended, duly certified, has been and now

is filed in the office of the city clerk and the same is incorporated as if fully set out at length in this chapter.

Sec. 26-71. - Amendments to the International Fuel and Gas Code.

The Fuel Gas Code adopted by section 26-70 of this article is hereby amended, changed, and altered, as follows:

Section-101.1. Insert: [City of Joplin].

Section 106.6.2. Insert: [Fee schedule from Article IV of Chapter 26 of the Joplin City Code].

Section 106.6.3 Fee Refunds is deleted.

Section 108.4 is hereby amended to read as follows:

108.4 Violations and Penalties: Any person who shall violate a provision of this code, fail to comply with any of the requirements thereof or erect, install, alter or repair work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor, punishable as provided in Section 1-5 of the Joplin City Code.

Section 108.5 is hereby amended to read as follows:

108.5 Stop work orders: Any person who shall continue any fuel gas work in or about the structure after having been served with a stop work order, except such work as he/she is directed to perform to remove a violation or unsafe conditions, shall be subject to punishment as provided in section 1-5 of the Joplin City Code.

Sec. 26-72. - Plumbing code adopted.

The 2018 Edition of the International Plumbing Code including Appendix Chapters B, D, E, as supplemented or amended, is hereby adopted and made a part hereof by reference for the purpose of prescribing regulations governing plumbing. A copy of said code as supplemented or amended has been and now is filed in the office of the city clerk and the same is incorporated as if fully set out at length in this division.

Sec. 26-73. - Amendments to the International Plumbing Code.

The plumbing code adopted by section 26-72 of this article is hereby amended, altered, and changed in the following respects:

Section 101.1 is amended by inserting: [City of Joplin, Missouri].

Section 106.6.2 is amended to read as follows:

106.6.2 Fee Schedule. The permit fees for all plumbing work shall be as indicated in Article IV of Chapter 26 and 118-235 of the Joplin City Code.

Section 106.6.3, Fee Refunds, is deleted.

Section 108.4 is amended to read as follows:

108.4 Violation Penalties: Any person who shall violate a provision of this code or who shall fail to comply with any of the requirements thereof or who shall install plumbing work in violation of an approved plan or directive of the plumbing official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor punishable as provided in Section 1-5 of the Joplin City Code.

Section 108.5 is amended to read as follows:

108.5 Stop Work Orders: Any person who shall continue any plumbing work in or about the structure after having been served with a stop work order, except such work as he is directed to perform to remove a violation or unsafe conditions, shall be subject to punishment as provided in Section 1-5 of the Joplin City Code.

Section 701.2 is added to read as follows:

701.2 Connection to Sewer Required: See Section 118-83, et seq., of the Joplin City Code pertaining to availability of sanitary sewer.

Section 714 is amended to read as follows:

-714.1 Sewage backflow: All plumbing fixtures shall be protected by a backwater valve installed in the building drain.

Section 903.1 is amended by inserting: [12 inches].

Sec. 26-74. Electrical code adopted.

The 2017 Edition of the National Electrical Code for electrical wiring and apparatus as recommended by the National Fire Protection Association, as supplemented or amended, is hereby adopted and made a part hereof by reference. A copy of said code as supplemented or amended has been and now is filed in the office of the city clerk and the same is incorporated as if fully set out at length in this division.

Sec. 26-75. – Reserved.

Sec. 26-76. Soil Testing for lead and cadmium prior to building permit issuance in designated areas.

In areas of the city designated as potentially contaminated with soil lead or cadmium, no building permit shall be

Issued pursuant to this chapter on any property to be used for a residential dwelling or dwelling unit, child

Occupied facility including, but not limited to, day care centers, preschools or kindergartens, or recreational areas

Such as parks or ball fields where children are likely to congregate, until after testing of soil has been conducted

and results indicate less than 400 parts per million (ppm) lead and less than 75 (ppm) cadmium.

In the area of the city designated as the expedited debris removal (EDR) area, no building permit shall be issued

for any property to be used for a residential dwelling or dwelling unit, child occupied facility including, but not

limited to, day care centers, preschools or kindergartens, or recreational areas such as parks or ball fields where

children are likely to congregate, until after testing of soil has been conducted and results indicate less than 400

ppm lead and 75 ppm cadmium if such property is more than 50 percent of the value of the structure at the time of

destruction or if additions to any structure are going to be made that require soil excavation.

In the event testing indicates 400 ppm lead or more, or 75 ppm cadmium or more, no building permit shall be

issued on such property until such time as a remediation plan approved by the Jasper County Health Department

has been completed and a certificate of approval has been issued for the property.

Failure to comply with any provisions of this section or the provisions of the Jasper County Health Department

Shall be punishable as provided in section 1-5 of the Code of Ordinances of the City of Joplin. Further, no

occupancy permit for affected property may be issued if a violation of this section is in place.

#### Sec. 26-77. – Swimming Pool Code Adopted

The 2018 Edition of the International Swimming Pool and Spa Code as supplemented or amended, is hereby adopted and made a part hereof by reference for the purpose of prescribing regulations governing swimming pools and spas. A copy of said code as supplemented or amended has been and now is filed in the office of the city clerk and the same is incorporated as if fully set out at length in this division.

Sec. 26-78. - Amendments to the International Swimming Pool and Spa Code.

The swimming pool and spa code adopted by section 26-77 of this article is hereby amended, altered, and changed in the following respects:

Section 101.1 is amended by inserting: [City of Joplin, Missouri].

Section 101.5 is added by adding the following paragraph:

Locations. Private swimming pools shall not encroach on any front or side yard required by the basic code, abridged code or the governing zoning law, except by specific rules of the community in which it may be located. No wall of a swimming pool shall be located less than three feet from any rear or side property line, 12 feet from any primary or accessory structure, or ten feet from any street property line, except by specific rules of the community in which it may be located.

Section 105.6.2 is amended to read as follows:

105.6.2 Fee Schedule. The permit fees for all swimming pools and spas shall be as indicated in Article IV of Chapter 26 of the Joplin City Code.

Section 105.6.3, Fee Refunds, is deleted.

Section 107.4 is amended to read as follows:

107.4 Violation Penalties: Any person who shall violate a provision of this code or who shall fail to comply with any of the requirements thereof or who shall install swimming pool or spa work in violation of an approved plan or directive of the building official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor punishable as provided in Section 1-5 of the Joplin City Code.

Section 107.5 is amended to read as follows:

107.5 Stop Work Orders: Any person who shall continue any work on or about the structure after having been served with a stop work order, except such work as he is directed to perform to remove a violation or unsafe conditions, shall be subject to punishment as provided in Section 1-5 of the Joplin City Code.

Section 301.2 Consult the current operational pool ordinance for lifeguard requirements and other

considerations. (residential pools excluded)

Section 307.1.2 is amended as follows:

307.1.2 Colors and finishes. The colors, patterns, or finishes of the pools and spa interiors shall

Be white or light pastel in color such that from the pool deck a bather is visible on the pool floor.

The finish shall be at least 6.5 on the Munsell color value scale. Exceptions shall be made for the

following:

- 1.) Residential pools and spa's
- 2.) Competitive lane markings
- 3.) Dedicated competitive diving well floors
- 4.) Step or bench edge markings
- 5.) Pools shallower than 24 inches (61.0 cm)
- 6.) Water line tiles
- 7.) Wave pool and surf pool depth change indicator tiles
- 8.) Depth markings and lines
- 9.) Other approved designs

Section 307.1.5 is amended as follows:

307.1.5 Floor transition line. For pools, other than residential pools and spas, deeper than 5 feet (1.5 m), a line of contrasting color, not less than 2 inches (5.1 cm) and not more than 6 inches (15.2 cm) in width, shall be clearly and permanently installed on the pool floor at the shallow side of the break in the floor slope, and extend up the pool walls to the waterline.

Sec.409.5 Shallow-to-deep-end rope and float line. Where a pool has a water depth ranging from less than 5 feet to greater than 5 feet, a rope and float line shall be located 1 foot horizontally from the 5- foot depth location, toward the shallow end of the pool.

#### Sec 26-79- Existing Building Code Adopted

The 2018 Edition of the International Existing Building Code including appendix B as supplemented or amended, is hereby adopted and made a part hereof by reference for the purpose of prescribing regulations governing energy conservation requirements. A copy of said code as supplemented or amended has been and now is filed in the office of the city clerk and the same is incorporated as if fully set out at length in this division.

#### Sec. 26-80. – Amendments to the Existing Building Code

The Existing building code adopted by section 26-79 of this article is hereby amended, changed, and altered, as follows:

Section 101.1 is amended by inserting [City of Joplin, Missouri]

Section 113.4 is hereby amended to read as follows:

113.4 Violations and Penalties: Any person who shall violate a provision of this code, fail to comply with any of the requirements thereof or erect, install, alter or repair work in violation of the approved construction

documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor, punishable as provided in Section 1-5 of the Joplin City Code.

Secs. 26-81 – 26-90. Reserved.

Section 2. This ordinance shall become effective April 8, 2019.

PASSED BY THE COUNCIL OF THE CITY OF JOPLIN, MISSOURI, this 18th day of March 2019 by a vote of 8-0.

\_\_\_\_\_  
Gary L. Shaw, Mayor

ATTEST:

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Barbara J. Gollhofer, City Clerk

APPROVED AS TO FORM

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Jordan L. Paul, Assistant City Attorney