

ORDINANCE NO. 11358

**AN ORDINANCE AMENDING CHAPTER 6, "BUILDINGS", OF THE CODE
OF THE CITY OF LIBERTY, CLAY COUNTY, MISSOURI**

BE IT ORDAINED by the City Council of the City of Liberty, Clay County, Missouri, as follows:

SECTION I

Chapter 6, "Buildings", of the Code of the City of Liberty, Clay County, Missouri, shall be and the same is hereby amended as follows:

Article XII through Article XVII of Chapter 6, "Buildings", of the Code of the City of Liberty, Clay County, Missouri are hereby repealed in their entirety. A new Article XII through Article XVIII of Chapter 6, "Buildings", of the Code of the City of Liberty, Clay County, Missouri is hereby established as follows:

ARTICLE XII. INTERNATIONAL BUILDING CODE

Sec. 6-105. Adopted.

The provisions of the International Building Code, 2018 edition, including appendix as reference, is for all intents and purposes incorporated in this chapter as though more fully set out herein, except as stated below, and is hereby adopted as the official building code of the city, and all provisions thereof shall be in full force and effect in this city in the form of that particular and specific printed volume to be permanently retained as a part of the official records of this city on file in the office of the deputy city clerk and to be construed, applied and enforced, as modified and supplemented as follows:

- (a) As modified by other provisions of Chapter 6, Article XII of the Liberty City Code.
- (b) All portions of said International Building Code identified as exclusions below are not so included herein by reference.

Sec. 6-105.1 Revisions.

The following shall be included as a revision to the Building code adopted in Section 6-105:

- (a) Section 105.2 "Work Exempt from Permit". Buildings item #2; shall be revised to read "Fences shall not be over 6 feet high".

Sec. 6-105.2 Exclusions.

The following shall be excluded from the building code adopted in Section 6-105:

- (a) Section 113, "Board of Appeals".
- (b) Chapter 13 "Energy Efficiency". [Reference Article XVIII, "2012 Energy Conservation Code" as adopted].

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ARTICLE XIII. INTERNATIONAL RESIDENTIAL CODE

Sec. 6-106. Adopted.

The provisions of the International Residential Code, 2018 edition, including appendix as reference, is for all intents and purposes incorporated in this chapter as though more fully set out herein, except as stated below, and is hereby adopted as the official residential code of the city, and all provisions thereof shall be in full force and effect in this city in the form of that particular and specific printed volume to be permanently retained as a part of the official records of this city on file in the office of the deputy city clerk and to be construed, applied and enforced, as modified and supplemented as follows:

- (a) As modified by other provisions of Chapter 6, Article XIII of the Liberty City Code.
- (b) All portions of said International Residential Code identified as exclusions in Section 6-106.3 below are not so included herein by reference.
- (c) Table R301.2 Climate And Geographic Design Criteria

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
	Speed (mph)	Topographic effects	Special wind region	Windborne debris zone		Weathering	Frost line depth	Termite					
20	115	No	No	No	A	Severe	36	M to H	0	Yes	3/15/2015	1500<	54.2
MANUAL J DESIGN CRITERIA													
Elevation		Latitude		Winter heating	Summer cooling	Altitude correction factor		Indoor design temperature	Design temperature cooling		Heating temperature difference		
909		39° N		4° F	96° F	--		72° F	75°		68° F		
Cooling temperature difference		Wind velocity heating		Wind velocity cooling	Coincident wet bulb	Daily range		Winter humidity	Summer humidity				
21° F		15		7.5	75° F	High		50%	30%				

Sec. 6-106.1. Additions.

The following shall be included as an addition to the residential code adopted in Section 6-106:

- (a) Appendices used as reference standards except as excluded by Sec. 6-106.3
- (b) Section E3902.2, "Garages and Accessory Building Receptacles", exceptions: Receptacles utilizing the provision of this exception shall be permanently marked to Indicate "Type of Equipment No GFCI Protection"
 - 1. A dedicated receptacle supplying only a garage door opener.
 - 2. A dedicated single receptacle supplying only a refrigerator and/or freezer.
- (c) Section E3902.5, "Unfinished Basement Receptacles", exceptions: Receptacles utilizing the provisions of this exception shall be permanently marked to indicate "Type of Equipment No GFCI Protection"
 - 1. A dedicated single receptacle supplying only a permanently installed fire alarm or burglar alarm system.
 - 2. A dedicated single receptacle supplying only a sump pump.
 - 3. A dedicated single receptacle supplying a refrigerator and/or freezer.

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Sec. 6-106.2. Revisions.

The following shall be included as a revision to the residential code adopted in Section 6-106:

- (a) Section R313 "Automatic Fire Sprinkler Systems". A builder of a one or two family dwelling or townhouse shall offer to any purchaser on or before the time of entering into the purchase contract the option, at the purchaser's cost, to install or equip fire sprinklers in the dwelling or townhouse. The purchaser shall have the right to choose or decline to install a fire sprinkler system. This notification requirement is provided in accordance with, and shall expire in conjunction with, Missouri Statue (RSMO 67.281)
- (b) Section R303.4 "Mechanical Ventilation" Where the air infiltration rate of a dwelling unit is less than 3 air changes per hour when tested with a blower door at a pressure of 0.2 inch w.c. (50 Pa) in accordance with Section N1102.4.1.2, the dwelling unit shall be provided with whole-house ventilation in accordance with Section M1507.3.
- (c) Section R404.4 "Retaining Walls". Retaining walls that are not laterally supported at the top and that retain in excess of 48 inches (610 mm) of unbalanced fill, that support a surcharge, are adjacent to a public right-of-way shall be designed to ensure stability against overturning, sliding, excessive foundation pressure and water uplift. Retaining walls shall be designed for a safety factor of 1.5 against lateral sliding and overturning.
- (d) Section R801.3, "Roof Drainage". All dwellings shall have a controlled method of water disposal from roofs that will collect and discharge all roof drainage to the ground surface at least 3 feet from foundation walls or to an approved drainage system.
- (e) Section P3114.3, "Air Admittance Valve". Where permitted shall read: 'For certain unique situations for which conventional venting is not feasible, individual vents, branch vents, circuit vents and stack vents shall be permitted to terminate with a connection to an air admittance valve at the discretion of the building official.'
- (f) Section P3007.4, shall include only considered on unique situations at the discretion of the Chief Building Official for existing building alterations and new structures on infill parcels.
- (g) Section 3902.16, "Arc-fault circuit-interrupter protection" Shall be revised to read," Branch circuits that supply 120-volt, single-phase, 15- and 20- ampere outlets installed in bedrooms shall be protected by any of the following: [The remainder of the section remains unamended].

Sec. 6-106.3. Exclusions.

- (a) Section R112, " Board of Appeals".
- (b) Section R302.13, "Fire Protection of Floors". Section Deleted with stipulation; requires signage on exterior meter can at time of final inspection in lieu of fire protection of floors.
- (c) Section E4002.14, "Tamper-Resistant Receptacles".
- (d) Section 715, "Backwater Valves" Reference City Code Sec. 29-47.23
- (e) Chapter 11 "Energy Efficiency". [Reference Article XVIII, "2012 Energy Conservation Code" as adopted].
- (f) Appendix I "Private Sewage Disposal"
- (g) Appendix L "Permit Fees"
- (h) Appendix Q "Tiny Homes"

ARTICLE XIV. INTERNATIONAL FUEL GAS CODE

Sec. 6-107. Adopted.

The provisions of the International Fuel Gas Code, 2018 edition, including appendix as reference, is for all intents and purposes incorporated in this chapter as though more fully set out herein, except as stated below, and is hereby adopted as the official fuel gas code of the city, and all provisions thereof

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shall be in full force and effect in this city in the form of that particular and specific printed volume to be permanently retained as a part of the official records of this city on file in the office of the deputy city clerk and to be construed, applied and enforced, as modified and supplemented as follows:

- (a) As modified by other provisions of Chapter 6, Article XIV of the Liberty City Code.
- (b) All portions of said International Fuel Gas Code identified as exclusions in Section 6-107.1 below are not so included herein by reference.

Sec. 6-107.1 Exclusions.

- (a) Section 109, "Means of Appeal".

ARTICLE XV. INTERNATIONAL PLUMBING CODE

Sec 6-108. Adopted.

The provisions of the International Plumbing Code, 2018 edition, including appendix for reference, is for all intents and purposes incorporated in this chapter as though more fully set out herein, except as stated below, and is hereby adopted as the official plumbing code of the city, and all provisions thereof shall be in full force and effect in this city in the form of that particular and specific printed volume to be permanently retained as a part of the official records of this city on file in the office of the deputy city clerk and to be construed, applied and enforced, as modified and supplemented as follows:

- (a) As modified by other provisions of Chapter 6, Article XV of the Liberty City Code.
- (b) All portions of said International Plumbing Code identified, as exclusions in Section 6-108.2 below are not so included herein by reference.

Sec. 6-108.1. Revisions.

The following shall be included as a revision to the plumbing code adopted:

- (a) Section 918, "Air Admittance Valves" shall read: 'For unique situation which conventional venting is not feasible, individual, branch and circuit vents shall be permitted to terminate with connection to an air admittance valve at the discretion of the building official.'
- (b) Section 712.4, shall include only considered on unique situations at the discretion of the Chief Building Official for existing building alterations and new structures on infill parcels.

Sec. 6-108.2 Exclusions.

- (a) Section 109, "Means of Appeal".
- (b) Section P3008. "Backwater Valves" Reference City Code Sec. 29-47.23

ARTICLE XVI. INTERNATIONAL MECHANICAL CODE

Sec. 6-109. Adopted.

The provisions of the International Mechanical Code, 2018 edition, including appendix for reference, is for all intents and purposes incorporated in this chapter as though more fully set out herein, except as stated below, and is hereby adopted as the official mechanical code of the city, and all provisions thereof shall be in full force and effect in this city in the form of that particular and specific printed volume to be permanently retained as a part of the official records of this city on file in the office of the deputy city clerk and to be construed, applied and enforced, as modified and supplemented as follows:

- (a) As modified by other provisions of Chapter 6, Article XVI of the Liberty City Code.
- (b) All portions of said International Mechanical Code identified, as exclusions in Section 6-109.1 below are not so included herein by reference.

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Sec. 6-109.1. Exclusions.

The following shall be excluded from the mechanical code adopted in Section 6-109:

- (a) Section 109 "Means of Appeal".

ARTICLE XVII. NATIONAL ELECTRICAL CODE

Sec. 6-110. Adopted.

The provisions of the National Electrical Code, 2017 NFPA 70 edition, including appendix as reference, is for all intents and purposes incorporated in this chapter as though more fully set out herein, except as stated below, and is hereby adopted as the official electrical code of the city, and all provisions thereof shall be in full force and effect in this city in the form of that particular and specific printed volume to be permanently retained as a part of the official records of this city on file in the office of the deputy city clerk and to be construed, applied and enforced, as modified and supplemented as follows:

- (a) As modified by other provisions of Chapter 6, Article XVII of the Liberty City Code.
- (b) All portions of said National Electrical Code identified, as exclusions in Section 6-110.3 below are not so included herein by reference.

Sec. 6-110.1. Additions.

The following shall be included as an addition to the electrical code adopted in Section 6-110:

- (a) Informative Annex's are not part of the requirements of the adopted 2017 National Electrical Code, but are included for informational reference material to correspond with the applicable text paragraphs.

Sec. 6-110.2. Revisions.

The following shall be included as a revision to the electrical code adopted in Section 6-110:

- (a) 210.12(A) "Dwelling Units". All 120 volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in a dwelling unit bedrooms shall be protected by a listed arc-fault circuit interrupter, combination type, installed to provide protection of the branch circuit. (Exceptions No. 1, 2 & 3 remain unamended).

Sec. 6-110.3. Exclusions.

- (b) 406.12 "Tamper-Resistant Receptacles in Dwelling Units" is deleted.

ARTICLE XVIII. INTERNATIONAL ENERGY CONSERVATION CODE

Sec. 6-111. Adopted

The provisions of the International Energy Conservation Code, 2012 edition, including appendix as reference, is for all intents and purposes incorporated in the chapter as though more fully set out herein, except as stated below, and is hereby currently adopted and as the official energy code of the city, and all provisions thereof shall be in full force and effect in this city in the form of that particular and specific printed volume to be permanently retained as a part of the official records of the city on file in the office of the deputy city clerk and to be construed, applied and enforced, as modified and supplemented as follows:

Sec. 6.111.1 Revisions.

The following shall be included as a revision to the energy code adopted in Section 6-111:

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- (a) Chapter 4, Table C402.1.1. "Climate Zone 4". "Wood Framed Wall R-Value, R-13 (Remainder of Table unamended).
- (b) Chapter 4, Table C402.1.1. "Climate Zone 4". "Wood Frame Wall U-Factor, U-0.082 (Remainder of Table unamended).
- (c) Chapter 4, Section R402.2.9, Exception. Insulation at the interface between the foundation wall and slab may be omitted.
- (d) Chapter 4, Table R402.4.1.1. Under 'Walls', amend first sentence to read: "Corners and headers shall be sealed and the junction of the foundation and sill plate shall be sealed". Under 'fireplace', delete: "Fireplaces shall have gasketed doors". (Remainder of table unamended.)
- (e) Chapter 4, Section R402.4.1.2. "Testing". Building leakage testing shall be conducted where required by the building official. Where required by the building official, the testing shall be conducted by an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the building official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope. Effective January 1, 2014, the building or dwelling unit shall have an air leakage rate of not exceeding 5 air changes per hour when tested with a blower door at a pressure of 0.2 inches w.g. (50 Pascals).
- (f) Chapter 4, Section R403.2.2. "Sealing (Mandatory)". Duct tightness shall be verified by either of the following: "Shall read, Duct tightness shall be verified by testing where required by the building official effective January 1, 2014". Exception shall read: "Post-construction test with leakage to outdoors less than or equal to (4) cfm per 100 square feet of conditioned floor area".
- (g) Chapter 4, Section R403.2.3 "Building Cavities (Mandatory)". Shall read: "Building framing cavities used as ducts or plenums shall be sealed to prevent leakage through the thermal envelope".

Sec. 6.111.2. Exclusions.

- (a) Section C109 "Board of Appeals".

SECTION II

This Ordinance shall be full force and effect from and after its passage by the City Council and approval by the Mayor.

PASSED by the City Council this day 22 of February, 2021.

MAYOR

Attest:

DEPUTY CITY CLERK

Approved by the Mayor this 22 of February, 2021.

MAYOR