

Bill No. 05-24-B

ORDINANCE NO. 903

AN ORDINANCE AMENDING SECTION 500 OF THE 2021 INTERNATIONAL BUILDING CODE, ARTICLE X, ENERGY CONSERVATION CODE FOR THE CITY OF FORISTELL, MISSOURI AND PROVIDING PENALTIES FOR VIOLATIONS.

BE IT ORDAINED BY THE BOARD OF ALDERMAN OF THE CITY OF FORISTELL, MISSOURI AS FOLLOWS:

Section 1: Article X, Energy Conservation Code, Foristell, MO is hereby amended to read as follows (added language in bold type, deleted language in ~~stricken type~~).

ARTICLE X: ENERGY CONSERVATION CODE

Section 500.320. Adoption of Energy Conservation Code of The City of Foristell, MO

J. Foristell, MO hereby adopts the 2021 Foristell, MO Energy Conservation Code, a copy of which shall be deposited in the Office of the City Administrator with this ordinance, with the following amendments by additions, insertions, deletions and changes to read as follows:

(CHAPTER 1 [CE] SCOPE AND ADMINISTRATION)
(SECTION C101 SCOPE AND GENERAL REQUIREMENTS)

C101.1 Title. This code shall be known as the Energy Conservation Code of **Foristell, Missouri**, and shall be cited as such. It is referred to herein as “this code.”

(SECTION C103 CONSTRUCTION DOCUMENTS)

C103.1 General. Construction documents and other data shall be submitted ~~in two or more sets, or in a digital format where allowed by the Building Official~~ **as required by the code official**, with each application for a permit. The code official shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the code official is authorized to require necessary construction documents to be prepared by a registered design professional.

Exception: The code official shall have the authority to waive the submission of construction documents or other supporting data if the code official determines they are not necessary to confirm compliance with this code.

C103.1.2 Electronic submission. Where design documents including, but not limited to, plot plans, site plans, design drawings, specifications, etc. are originally created electronically, the building official is authorized to require electronic submittal of documents in a portable document format (PDF) or similar format for review. Where design documents were originally prepared on paper and are submitted in a paper form, the code official is authorized to charge a fee for converting those drawings to PDF equal to the cost incurred by County staff recreating the document and not to exceed more than one (1) dollar per page.

Exception: Where submittal documents were originally prepared by hand and are 11 inches by 17 inches or less, the fee for document conversion shall not be charged.

(SECTION C109 STOP WORK ORDER)

C109.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property, the owner's authorized agent or the person performing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work will be authorized to resume. Any person served with a stop work order shall pay an administrative penalty of up to two hundred fifty dollars (\$250.00).

(SECTION C110 MEANS OF APPEALS)

C110.1 General. ~~In order to hear and decide appeals of orders, decisions or determinations made by the code official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The code official shall be an ex-officio member of said board but shall not have a vote on any matter before the board. The board of appeals shall be appointed by the governing body and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its~~

~~business and shall render all decisions and findings in writing to the appellant with a duplicate copy to the code official.~~ For the purposes of this code, all appeals shall be in accordance with the procedure established for the Foristell, Missouri, in Section 113 of 500.100.

~~C110.2 Limitations on authority.~~ Delete in

its entirety. ~~C110.3 Qualifications.~~

Delete in its entirety.

(CHAPTER 2 [CE]

DEFINITIONS)

(SECTION C202

GENERAL

DEFINITIONS)

RESIDENTIAL BUILDING. For this code, includes ~~detached one- and two-family dwellings and multiple single-family dwellings (townhouses)~~ and Group R-2, R-3, and R-4 buildings three stories or less in height above grade.

(CHAPTER 1 [RE] SCOPE

AND ADMINISTRATION)

(SECTION R101 SCOPE AND

GENERAL REQUIREMENTS)

R101.1 Title. This code shall be known as the Energy Conservation Code of [NAME OF JURISDICTION] Foristell, Missouri, and shall be cited as such. It is referred to herein as “this code.”

(SECTION R103 CONSTRUCTION DOCUMENTS)

R103.1 General. Construction documents and other data shall be submitted ~~in two or more sets, or in a digital format where allowed by the Building Official~~ as required by the code official, with each application for a permit. The code official shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where

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Exception: Where submittal documents were originally prepared by hand and are 11 inches by 17 inches or less, the fee for document conversion shall not be charged.

(SECTION R109 STOP WORK ORDER)

R109.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property, the owner's authorized agent or the person performing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work will be authorized to resume. **Any person served with a stop work order shall pay an administrative penalty of up to two hundred fifty dollars (\$250.00).**

(SECTION R110 MEANS OF APPEALS)

~~R110.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the code official relative to the~~

~~application and interpretation of this code, there shall be and is hereby created a board of appeals. The code official shall be an ex officio member of said board but shall not have a vote on any matter before the board. The board of appeals shall be appointed by the governing body and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business and shall render all decisions and findings in writing to the appellant with a duplicate copy to the code official.~~ **For the purposes of this code, all appeals shall be in accordance with the procedure established for the Building Code of Foristell, Missouri, in Section 113 of 500.010.**

~~R110.2 Limitations on authority. Delete in its entirety.~~

~~R110.3 Qualifications. Delete in its entirety.~~

(CHAPTER 2 [RE]

DEFINITIONS)

(SECTION R202

GENERAL

DEFINITIONS)

RESIDENTIAL BUILDING. For this code, includes ~~detached one- and two-family dwellings and multiple single-family dwellings (townhouses)~~ and Group R-2, R-3, and R-4 buildings three stories or less in height above grade.

(CHAPTER 4 [RE] RESIDENTIAL ENERGY EFFICIENCY)

(SECTION R402 BUILDING THERMAL ENVELOPE)

Replace Table R402.1.3 Entitled “Insulation Minimum R-Values and Fenestration Requirements by Component” With the Table Provided Below:

**TABLE R402.1.3
INSULATION MINIMUM R-VALUES AND FENESTRATION
REQUIREMENTS BY COMPONENT**

CLIMATE ZONE	FENESTRATION U-FACTOR ^{a,1}	SKYLIGHT ^b U-FACTOR	GLAZED FENESTRATION SHGC ^{b,c}	CEILING R-VALUE	WOOD FRAME WALL R-VALUE ^e	MASS WALL R-VALUE ^b	FLOOR R-VALUE	BASEMENT ^{d,f} WALL R-VALUE	SLAB ^g R-VALUE & DEPTH	CRAWL SPACE ^h WALL R-VALUE
4A	35	60	NR	38	13	5/10	19	10ci or 13 ^j	10, 2 ft	10/13

For SI: 1 foot = 304.8 mm.

NR = Not Required.

ci = continuous insulation.

a. *R*-values are minimums. *U*-factors and SHGC are maximums. Where insulation is installed in a cavity that is less than the label or design thickness of the insulation, the installed *R*-value of the insulation shall be not less than the *R*-value specified in the table.

b. The fenestration *U*-factor column excludes skylights. The SHGC column applies to all glazed fenestration.

Exception: In Climate Zones 0 through 3, skylights shall be permitted to be excluded from glazed fenestration SHGC requirements provided that the SHGC for such skylights does not exceed 0.30.

c. "5ci or 13" means *R*-5 continuous insulation (ci) on the interior or exterior surface of the wall or *R*-13 cavity insulation on the interior side of the wall. "10ci or 13" means *R*-10 continuous insulation (ci) on the interior or exterior surface of the wall or *R*-13 cavity insulation on the interior side of the wall. "15ci or 19 or 13&5ci" means *R*-15 continuous insulation (ci) on the interior or exterior surface of the wall; or *R*-19 cavity insulation on the interior side of the wall; or *R*-13 cavity insulation on the interior of the wall in addition to *R*-5 continuous insulation on the interior or exterior surface of the wall.

d. *R*-5 insulation shall be provided under the full slab area of a heated slab in addition to the required slab edge insulation *R*-value for

slabs. as indicated in the table. The slab-edge insulation for heated slabs shall not be required to extend below the slab.

e. There are no SHGC requirements in the Marine Zone.

f. Basement wall insulation is not required in Warm Humid locations as defined by Figure R301.1 and Table R301.1.

g. The first value is cavity insulation; the second value is continuous insulation. Therefore, as an example, “13&5” means R-13 cavity insulation plus R-5 continuous insulation.

h. Mass walls shall be in accordance with Section R402.2.5. The second R-value applies where more than half of the insulation is on the interior of the mass wall.

i. A maximum U-factor of 0.32 shall apply in Climate Zones 3 through 8 to vertical fenestration products installed in buildings located either:

1. Above 4,000 feet in elevation, or
2. In windborne debris regions where protection of openings is required by Section R301.2.1.2 of the International Residential Code.

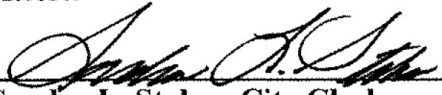
j. Exception: Unfinished basements may have up to a maximum of 20 percent of the total basement wall area exposed above the outside finished grade/ground level as uninsulated concrete foundation walls. The foundation wall area above the outside grade/ground level that may be uninsulated is determined by the formula [.20 times the basement wall height of all walls (including insulated exterior frame walls for walkout basements and walls common to both basement and attached garages) times the perimeter of these basement walls]. In unfinished areas, the basement foundation wall insulation shall extend down to the basement floor slab or to a minimum of 24.

Section 2: That this ordinance shall take effect and be in force as of Sunday, June 2, 2024.

READ TWO TIMES AND PASSED BY THE BOARD OF ALDERMEN OF THE CITY OF FORISTELL, MISSOURI THIS 20th DAY OF MAY 2024.

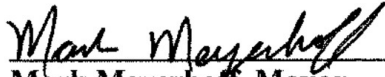

Mark Meyerhoff, Mayor

Attest:



Sandra L. Stokes, City Clerk

APPROVED BY THE MAYOR OF THE CITY OF FORISTELL, MISSOURI THIS 20th
DAY OF MAY 2024.



Mark Meyerhoff, Mayor

Attest:



Sandra L. Stokes, City Clerk

CITY OF FORISTELL




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To Whom It May Concern:

This is to certify that the following Ordinance No. 903, an Ordinance amending Section 500 of the 2021 International Building Code, Article X, Energy Conservation Code as adopted by the Board of Alderman and signed by the Mayor on May 20, 2024 is a full, true, and complete copy of the original as recorded in the office of the City Clerk of the City of Foristell, Missouri.

IN WITNESS WHEREOF, I hereunto set my hand and affix the seal of said City of Foristell, Missouri, this 21st day of May 2024.


Sandra L. Stokes, City Clerk

