

(Published \_\_\_\_\_)

**ORDINANCE NO.** \_\_\_\_\_

**AN ORDINANCE** relating to Chapter 8, Article XVI - Energy.

**BE IT ORDAINED BY THE COMMISSIONERS OF THE UNIFIED GOVERNMENT OF WYANDOTTE COUNTY/KANSAS CITY, KANSAS:**

**Section 1.** That Sections 8-653 and 8-654 are hereby amended to read as follows.

Sec. 8-653. - ~~2009~~ 2018 International Energy Conservation Code—Adopted.

- (a) *Energy code adopted.* There is incorporated by reference, for the purpose of adopting regulations, provisions, conditions, terms, and specifications for the control of buildings and structures within the city, the issuing, suspension, and revocation of permits, the collection of fees, the making of inspections, the execution of plan reviews, the enforcement of this chapter and the fixing of penalties for violations thereof, the ~~2009~~ 2018 International Energy Conservation Code, dated ~~January 2009~~ August 2017, as published by the International Code Council Inc., excepting only such parts or portions thereof as are specifically added or amended in this chapter. Further, if there exists or arises any conflict between the provisions of the publication and this Code, then the provisions of this Code are controlling.
- (b) *Marked copies of code on file.* There shall be ~~not less than three copies~~ one (1) copy of the standard code adopted by reference in subsection (a) of this section kept on file in the office of the unified government clerk, to which shall be attached a copy of this article, and which shall be marked or stamped "Official Copies as Incorporated by Ordinance No. ~~O-29-12~~ \_\_\_\_\_," with all sections or portions thereof intended to be omitted clearly marked to show any such deletion or change, and said code shall be open to inspection and available to the public at all reasonable hours. The neighborhood resource center, code enforcement division, rental inspections division and building inspection division, municipal judges and all administrative departments of the unified government charged with the enforcement of this article shall be supplied, at the cost of the unified government, such number of official copies of such standard ordinance similarly marked, deleted and changed as may be deemed expedient.

(Ord. No. O-44-11, § 25, 10-20-2011; Ord. No. O-29-12, § 25, 5-3-2012)

Sec. 8-654. - Same—Amendments.

The ~~2009~~ 2018 International Energy Conservation Code, incorporated by reference in section 8-281(a), is amended in the following respects:

*Sections 101.1—109.3 of Chapter 1, Administration* are hereby deleted. See Administration provisions in section 8-25 of this chapter.

Table C402.1.2. Under Climate Zone 4, the following items are amended:

'Roofs; Insulation entirely above deck; All Other & Group R' - U-0.048

'Walls, Above Grade; Wood framed and other; All Other & Group R' - U-0.082

(Remainder of table unamended.)

Table C402.2. Under Climate Zone 4, the following items are amended:

'Roofs; Insulation entirely above deck; All Other & Group R' — R-20ci

'Walls, Above Grade; Wood framed and other; All Other & Group R' — R-13

(Remainder of table unamended.)

Section C402.4 Fenestration (Prescriptive) is amended to read as follows:

Section C402.4 Fenestration shall comply with Table 402.4. Automatic day-lighting controls specified by this Section shall comply with Section C405.2.3.1.

C402.4.1 Maximum Area. The vertical fenestration area (not including opaque doors and opaque spandrel panels) shall not exceed forty percent (40%) of the gross above grade wall area. The skylight area shall not exceed three percent (3%) of the gross roof area.

C402.4.2 Increased Skylight Area with Daylighting Controls. The skylight area shall be permitted to be a maximum of five percent (5%) of the roof area provided automatic daylighting controls are installed in daylight zones under skylights.

Section C406 Additional Efficiency Packages is deleted.

Section C408 Maintenance Information and System Commissioning is deleted.

Table R402.1.2. Under Climate Zone 4, the following item is amended:

'Wood Frame Wall R-Value' — 13

(Remainder of table unamended.)

Table R402.1.4 Under Climate Zone 4, the following item is amended:

'Wood Frame Wall U-Factor' — 0.082

(Remainder of table unamended)

Section R402.4.1.2. Testing is amended to read as follows:

Section R402.4.1.2. Testing 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). Building leakage testing shall be conducted where required by the building official. Testing shall be conducted in accordance with RESNET/ICC 380, ASTM E779 or ASTM E1827 and reported at a pressure of 0.2 inch w.g. (50 Pascals). 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.

During testing:

1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
2. Dampers including exhaust, intake, makeup air, backdraft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
3. Interior doors, if installed at the time of the test, shall be open.
4. Exterior or interior terminations for continuous ventilation systems shall be sealed.
5. Heating and cooling systems, where installed at the time of the test, shall be turned off; and,
6. Supply and return registers, where installed at the time of the test, shall be fully open.

Section R402.4.4 Rooms containing fuel-burning appliances is deleted.

Section R403.3.2.1 Sealed Air Handler is deleted.

Section R403.3.3 Duct Testing (Mandatory) is amended to read as follows:

R403.3.3 Duct Testing (Mandatory). Where required by the Building Official, duct tightness shall be verified by either of the following:

1. Post construction test: Total leakage shall be less than or equal to 4 cfm (113.3 L/min) per 100 square feet (9.29 m<sup>2</sup>) of conditioned floor area when tested at a

pressure differential of 0.1 inches w.g. (25 Pascals) across the entire system, including the manufacturer's air handler enclosure. All register boots shall be taped or otherwise sealed during the test.

2. Rough - in test: Total leakage shall be less than or equal to 4 cfm (113.3 L/min) per 100 square feet (9.29 m<sup>2</sup>) of conditioned floor area when tested at a pressure differential of 0.1 inches w.g. (25 Pascals) across the system, including the manufacturer's air handler enclosure. All registers shall be taped or otherwise sealed during the test. If the air handler is not installed at the time of the test, total leakage shall be less than or equal to 3 cfm (85 L/min) per 100 square feet (9.29 m<sup>2</sup>) of conditioned floor area.

EXCEPTIONS:

1. The total leakage test is not required for ducts and air handlers located entirely within the building thermal envelope.

2. On the post construction test, it is permissible to test for "leakage to the outdoors" versus a "total leakage." Leakage to the outdoors shall be less than or equal to 8 cfm (226.5 L/min) per 100 square feet (9.29 m<sup>2</sup>) of conditioned floor area.

Section R403.3.5 Building Cavities (mandatory) Sealed Air Handler is deleted.

Section R403.3.3 Duct Testing (Mandatory) is amended to read as follows:

Section R406.2 Mandatory Requirements. Compliance with this section requires that the provisions identified in Sections 401 through 404 indicated as "mandatory" be met. The building thermal envelope shall be greater than or equal to the levels of efficiency and Solar Heat Gain Coefficients in Tables R402.1.2 and R402.1.4.

EXCEPTIONS:

1. Supply and return ducts not completely inside the building thermal envelope shall be insulated to an R-value of not less than R-6.

2. Section R403.5.1 shall not be "mandatory".

Table R406 Maximum Energy Rating Index) is amended to read as follows:

Climate zone 4: Energy rating index: 80

(Ord. No. O-44-11, § 25, 10-20-2011; Ord. No. O-29-12, § 25, 5-3-2012)

**Section 2.** These ordinances shall take effect and be in full force from and after its passage, approval, and publication in the *Wyandotte Echo*.

**PASSED BY THE BOARD OF COMMISSIONERS OF THE UNIFIED GOVERNMENT  
OF WYANDOTTE COUNTY/KANSAS CITY, KANSAS,**

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2021.

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David Alvey, Mayor/CEO

**Attest:**

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Unified Government Clerk