

ORDINANCE NO. 4661

AN ORDINANCE OF THE CITY OF HASTINGS, NEBRASKA TO AMEND SECTION 28-104 OF THE OFFICIAL CITY CODE ADOPTING THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE; TO REPEAL ANY ORDINANCES OR SECTIONS OF THE OFFICIAL CITY CODE INCONSISTENT HEREWITH; TO PROVIDE FOR AN EFFECTIVE DATE OF THIS ORDINANCE; AND TO PROVIDE FOR THE PUBLICATION OF THIS ORDINANCE IN PAMPHLET FORM.

BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF HASTINGS, NEBRASKA:

Section 1. That Section 28-104 of the Official City Code be amended to read as follows:

28-104. International Energy Conservation Code adopted.

The International Energy Conservation Code, 2018 Edition, as published by the International Code Council, is hereby adopted as the Energy Code of this municipality for regulating and governing energy efficient building envelopes and installation of energy efficient mechanical, lighting and power systems as herein provided; providing for issuance of permits and collection of fees therefore; and each and all of the regulations, provisions, penalties, conditions and terms of said Energy Conservation Code on file in the office of the Municipal Clerk are hereby referred to, adopted, and made a part hereof, as if fully set out herein, insofar as such code does not conflict with the Statutes of the State of Nebraska or other specific model codes adopted by the City of Hastings with the additions, insertions, deletions and changes, if any, prescribed herein. The provisions of the Energy Conservation Code shall be controlling throughout the municipality and throughout its extraterritorial zoning jurisdiction.

The following sections of the Energy Code are hereby revised:

Section C101.1 Insert, "City of Hastings, Nebraska".

Section R101.1 Insert, "City of Hastings, Nebraska".

Section R402.4.1.2 of the International Energy Conservation Code is hereby deleted.

Section R403.3.3 of the International Energy Conservation Code is hereby is amended to

read as follows:

R403.3.3 Duct Testing (Mandatory). Ducts shall be pressure tested to determine air leakage by one of the following methods:

1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure if installed at the time of the test. Registers shall be taped or otherwise sealed during the test.
2. Post construction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.

Exceptions:

1. A duct air-leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
2. A duct air-leakage test shall not be required for ducts servicing heat or energy recovery ventilators that are not integrated with ducts serving heating or cooling systems.
3. A duct air-leakage test shall not be required for ducts that are sprayed with closed cell foam.

A written report of the results of the test shall be signed by the party conducting the test and provided to the code office

Section R403.6 of the International Energy Conservation Code is hereby deleted.

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Table R402.1.2 of the International Energy Conservation Code is amended to read as follows:

TABLE R402.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT^a										
CLIMATE ZONE	FENESTRATION U-FACTOR ^b	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC ^{b,e}	CEILING R-FACTOR	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE ⁱ	FLOOR R-VALUE	BASEMENT ^c WALL R-VALUE	SLAB ^d R-VALUE & DEPTH	SPACE ^e WALL R-VALUE
1	NR	0.75	0.25	30	13	3/4	13	0	0	0
2	0.40	0.65	0.25	38	13	4/6	13	0	0	0
3	0.32	0.55	0.25	38	20 or 13+5 ^h	8/13	19	5/13 ^f	0	5/13
4 except Marine	0.32	0.55	0.25	38	20 or 13+5 ^h	8/13	19	10/13	10, 2 ft	10/13
5 and Marine 4	0.30	0.55	NR	49	20 or 13+5 ^h	13/17	30 ^g	13	10, 2 ft	15/19
6	0.30	0.55	NR	49	20+5 ^h or 13+5 ^h	15/20	30 ^g	15/19	10, 4 ft	15/19
7 and 8	0.30	0.55	NR	49	20+5 ^h or 13+5 ^h	19/21	38 ^g	15/19	10, 4 ft	15/19

NR = Not Required.

For SI: 1 foot = 304.8 mm.

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

Exception: In Climate Zones 1 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.

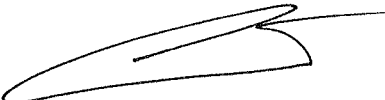
- “10/13” means R-10 continuous insulation on the interior or exterior of the home or R-13 cavity insulation on the interior of the basement wall. “15/19” means R-15 continuous insulation on the interior or exterior of the home or R-19 cavity insulation at the interior of the basement wall. Alternatively, compliance with “15/19” shall be R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulation on the interior or exterior of the home. “13” means furred 2x4 walls with R-13 cavity insulation throughout on the interior of the basement wall.
- 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.
- There are no SHGC requirements in the Marine Zone.
- Basement wall insulation is not required in warm-humid locations as defined by Figure R301.1 and Table R301.1
- Alternatively, insulation sufficient to fill the framing cavity and providing not less than an *R*-value of R-19.
- 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.

- i. 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.

Section 2. That any ordinance passed and approved prior to the passage, approval and publication or posting of this ordinance, and any sections of the Official City Code in conflict with these provisions, is hereby repealed.

Section 3. This ordinance shall take effect and be in full force from and after its passage, approval and publication in pamphlet form.

PASSED AND APPROVED this 12th day of APRIL, 2021.



Corey Stutte, Mayor

ATTEST:



Kimberly S. Jacobitz, City Clerk

(S E A L)

APPROVED TO FORM:



Clint Schukei, City Attorney

