

**Recommended Amendments to the  
2015 International Energy Conservation Code**  
City of Amarillo Texas

The following sections, paragraphs, and sentences of the *2015 International Energy Conservation Code* are hereby amended as follows: Standard type is text from the IECC. Underlined type is text inserted. ~~Lined through type is deleted text from IECC.~~ A double asterisk (\*\*) at the beginning of a section identifies an amendment carried over from the 2012 edition of the code and a triple asterisk (\*\*\*) identifies a new or revised amendment with the 2015 code.

**\*\* 101.1; insert: change to read as follows:**

**C101.1 Title.** This code shall be known as the *International Energy Conservation Code* of ~~{NAME OF JURISDICTION}~~ City of Amarillo, and shall be cited as such and will be referred to herein as "this code."

*(Reason: Standard insertion point: [insert] to assist with local adoption.)*

**\*\* 104.1.1; insert: change to read as follows:**

**C104.1.1 Contractor Registration.** The Building Official shall receive applications from and register contractors according to the rules adopted by the City in Chapter 4-1 of the Amarillo Municipal Code.

*(Reason: Amarillo Municipal Code has specific requirements for registration of contractors)*

**\*\*107.2; change to read as follows:**

**C107.2 Schedule of permit fees.** A fee for each permit shall be paid as required, in accordance with the schedule as ~~established by the applicable governing authority.~~ provided in Chapter 4-1 of the Municipal Code of Ordinances.

*(Reason: Standard insertion point to assist with local adoption)*

**\*\*C107.3; change to read as follows:**

**C107.3 Work commencing before permit issuance.** Any person who commences any work before obtaining the necessary permits shall be subject to ~~an additional fee established by the code official, which shall be in addition to the required permit fees~~ as provided in Chapter 4-1 of the Municipal Code of Ordinances.

*(Reason: Standard insertion point to assist with local adoption)*

**\*\*C107.5; change to read as follows:**

**C107.5 Refunds.** ~~The code official is authorized to establish a refund policy.~~ Fee refunds shall be made in accordance with Chapter 4-1 of the Municipal Code.

*(Reason: Standard insertion point to assist with local adoption)*

**\*\* 108.4; delete; change to read as follows:**

~~**C108.4 Failure to comply.** Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than **[AMOUNT]** dollars or more than **[AMOUNT]** dollars.~~

(Reason: Amarillo Municipal Code has specific requirements for violations)

\*\*\* **R402.1.1 change to read as follows:**

**R402.1 General (Prescriptive).** The *building thermal envelope* shall meet the requirements of R402.1.1 through R402.1.4 as amended until December 31, 2017. Effective January 1, 2018 Table R402.1.1 and Table R402.1.3 will be in effect as printed in 2015 IECC.

**TABLE R402.1.1  
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT<sup>a</sup>**

CLIMATE ZONE	FENESTRATION U-FACTOR <sup>b</sup>	SKYLIGHT <sup>b</sup> U-FACTOR	GLAZED FENESTRATION SHGC <sup>b,e</sup>	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE <sup>f</sup>	FLOOR R-VALUE	BASEMENT <sup>c</sup> WALL R-VALUE	SLAB <sup>d</sup> R-VALUE & DEPTH	CRAWL SPACE <sup>c</sup> 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	0.35	0.55	0.25	38	20 or 13 + 5 <sup>h</sup>	8/13	19	5/13 <sup>i</sup>	0	5/13
4 except Marine	0.35	0.55	0.40	49 40	20 or 13 + 5 <sup>b</sup> 15 or 13 + 1 <sup>h</sup>	8/13	19	10/13	10, 2 ft 5, 12 In.	10/13
5 and Marine 4	0.32	0.55	NR	49	20 or 13 + 5 <sup>h</sup>	13/17	30 <sup>g</sup>	15/19	10, 2 ft	15/19
6	0.32	0.55	NR	49	20 + 5 or 13 + 10 <sup>h</sup>	15/20	30 <sup>g</sup>	15/19	10, 4 ft	15/19
7 and 8	0.32	0.55	NR	49	20 + 5 or 13 + 10 <sup>h</sup>	19/21	38 <sup>g</sup>	15/19	10, 4 ft	15/19

Footnotes shall remain unchanged.

**TABLE R402.1.3  
EQUIVALENT U-FACTORS<sup>a</sup>**

Climate Zone	Fenestration U-Factor	Skylight U-Factor	Ceiling U-Factor	Frame Wall U-Factor	Mass Wall U-Factor <sup>b</sup>	Floor U-Factor	Basement Wall U-Factor	Crawl Space Wall U-Factor
1	0.50	0.75	0.035	0.084	0.197	0.064	0.360	0.477
2	0.40	0.65	0.030	0.084	0.165	0.064	0.360	0.477
3	0.35	0.55	0.030	0.060	0.098	0.047	0.091 <sup>c</sup>	0.136
4 except Marine	0.35	0.55	<del>0.026</del> 0.028	<del>0.060</del> 0.070	0.098	0.047	0.059	0.065
5 and Marine 4	0.32	0.55	0.026	0.060	0.082	0.033	0.059	0.055
6	0.32	0.55	0.026	0.045	0.060	0.033	0.050	0.055
7 and 8	0.32	0.55	0.026	0.045	0.057	0.028	0.050	0.055

Footnotes shall remain unchanged.

(Reason: 2015 provisions are more stringent than current requirements. Modifications to Table R402.1.1 provide improved energy efficiency over current Panhandle practices. These improvements align with State Energy Conservation Office rules applicable across Texas and will provide energy savings and provide a transition period.)

\*\* **Section R403.2.2; change to read as follows:**

**R403.2.2 Sealing (Mandatory).** Ducts, air handlers, and filter boxes shall be sealed. Joints and seams shall comply with either the *International Mechanical Code* or *International Residential Code*, as applicable.

**Exceptions:**

1. Air-impermeable spray foam products shall be permitted to be applied without additional joint seals.
2. Where a duct connection is made that is partially inaccessible, three screws or rivets shall be equally spaced on the exposed portion of the joint so as to prevent a hinge effect.
3. Continuously welded and locking-type longitudinal joints and seams in ducts operating at static pressures less than 2 inches of water column (500 Pa) pressure classification shall not require additional closure systems.

Duct tightness shall be verified by either of the following:

1. Postconstruction 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 Pa) 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 ft<sup>2</sup> (9.29 m<sup>2</sup>) of conditioned floor area when tested at a pressure differential of 0.1 inches w.g. (25 Pa) 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.

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

Duct testing to be done by a company/person who is certified by a recognized accreditation organization and their equipment be recertified on an annual basis. Contractors who choose not to attain the required certification or use the proper testing tools will be required to engage the services of a certified tester.

(Reason: To ensure testing of duct tightness is performed by qualified individuals.)

**END**