

WHEREAS, in AO 2015-127, as amended, the Assembly repealed and reenacted Title 23, Building Codes, of the Anchorage Municipal Code, including adoption of the IECC 2012 Edition, with local amendments that deleted some provisions;

WHEREAS, a floor amendment the Assembly approved to change the residential provisions of the IECC identified for deletion by local amendment from sections “R102 through R109” to “R101 through R401” was implemented as written, but the legislative intent expressed on the record at the February 23, 2016 Assembly meeting was broader in scope: to delete all residential provisions of the IECC 2012 so it is inapplicable to all residential construction;

WHEREAS, to effectuate the legislative intent by the aforementioned floor amendment, the code provisions adopted by AO 2015-127, as amended, need to be further amended to (1) delete the substantive residential provisions of the IECC which were left intact (sections R402 through R405, “Building Thermal Envelope”, “Systems”, “Electrical Power and Lighting Systems (Mandatory)” and “Simulated Performance Alternative (Mandatory)”), (2) delete the local amendments to the residential provisions of the IECC that, by this amendment, are not being adopted, and (3) delete the reference to the IECC contained in the International Building Code, AMC chapter 23.85;

WHEREAS, the Office of Economic and Community Development, Development Services Department, and Municipal Attorney’s Office reviewed the inconsistency between the written amendment, the final published AO 2015-127 as amended, and the record of the Assembly meeting, and recommends this
curative ordinance to fully implement the intent of the aforementioned floor amendment at the February 23, 2016 Assembly meeting; now, therefore

THE ANCHORAGE ASSEMBLY ORDAINS:

Section 1. Anchorage Municipal Code chapter 23.60 is hereby amended to read as follows (the remainder of the chapter is not affected and therefore not set out):

CHAPTER 23.60 LOCAL AMENDMENTS TO THE INTERNATIONAL ENERGY CONSERVATION CODE 2012 EDITION


Delete the IECC Residential Provisions. The IECC shall not apply to residential buildings [SECTIONS R101 THROUGH R401. REFER TO THE ANCHORAGE ADMINISTRATIVE CODE].

(AO No. 2015-127, § 1, 4-1-16)

[23.60.R303.1.4 INSULATION PRODUCT RATING.
ADD THE FOLLOWING EXCEPTION:

EXCEPTION: A MEAN TESTING TEMPERATURE OF 40°F IS ACCEPTABLE FOR DEMONSTRATING COMPLIANCE WITH THIS CODE.

23.60.R401.3 CERTIFICATE (MANDATORY).
ADD THE FOLLOWING EXCEPTION:

EXCEPTION: A CERTIFICATE IS NOT REQUIRED FOR ADDITIONS, ALTERATIONS, RENOVATIONS, AND REPAIRS TO AN EXISTING BUILDING.

23.60. TABLE R402.1.1 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT.

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>R-VALUE (MINIMUM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FENESTRATION</td>
<td>3.1</td>
</tr>
<tr>
<td>SKYLIGHT</td>
<td>1.8</td>
</tr>
<tr>
<td>CEILING</td>
<td>49</td>
</tr>
<tr>
<td>WOOD FRAME WALL</td>
<td>21</td>
</tr>
<tr>
<td>MASS WALL</td>
<td>21</td>
</tr>
<tr>
<td>FLOOR</td>
<td>38</td>
</tr>
<tr>
<td>BASEMENT WALL</td>
<td>15 CONTINUOUS OR 19 CAVITY</td>
</tr>
<tr>
<td>SLAB</td>
<td>10 FOR 36 INCHES VERTICALLY ALONG PERIMETER</td>
</tr>
<tr>
<td>SLAB, HEATED</td>
<td>10 UNDER ENTIRE SLAB AND FOR 36 INCHES VERTICALLY ALONG PERIMETER</td>
</tr>
</tbody>
</table>
23.60. **TABLE R402.1.3 EQUIVALENT U-FACTORS.**

Replace Table R402.1.3 with the following:

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>EQUIVALENT MAXIMUM U-FACTOR OR F-FACTOR$^A$</th>
</tr>
</thead>
<tbody>
<tr>
<td>FENESTRATION</td>
<td>U-0.32</td>
</tr>
<tr>
<td>SKYLIGHT</td>
<td>U-0.55</td>
</tr>
<tr>
<td>CEILING</td>
<td>U-0.020</td>
</tr>
<tr>
<td>WOOD FRAME WALL</td>
<td>U-0.057</td>
</tr>
<tr>
<td>MASS WALL</td>
<td>U-0.057</td>
</tr>
<tr>
<td>FLOOR</td>
<td>U-0.027</td>
</tr>
<tr>
<td>BASEMENT WALL</td>
<td>U-0.067</td>
</tr>
<tr>
<td>SLAB</td>
<td>F-0.51</td>
</tr>
<tr>
<td>SLAB, HEATED</td>
<td>F-0.55</td>
</tr>
<tr>
<td>CRAWLSPACE WALL</td>
<td>U-0.067</td>
</tr>
</tbody>
</table>

$^A$ Use of opaque assembly U-factors, C-factors and F-factors from ANSI/ASHRAE/IESNA 90.1 Appendix A is permitted, provided the construction complies with the applicable construction details from ANSI/ASHRAE/IESNA 90.1 Appendix A.

23.60.R402.2.1 **Ceilings with attics.**

Amend Section R402.2.1 by adding the following exception:

**Exception:** R-38 fiberglass blanket insulation may be compressed at the eave to provide a 1.5 inch air space when installed between wood trusses having a minimum heel height of 11.25 inches.

23.60.R402.2.10 **Crawl space walls.**

Delete Section R402.2.10 Crawl space walls.

23.60.R402.3.7 **Glazing limitation.**

Add the following section:

**R402.3.7 Glazing limitation.** Glazing shall be limited to 18% of the conditioned floor area.

23.60.R402.4.1.2 **Testing.**

Amend Section R402.4.1.2 by adding the following exception:

**Exception:** Testing is recommended but not required.

23.60.R402.6 **Crawl space.**

Add the following section:

**R402.6 Crawl space (mandatory).**
R402.6.1 Unconditioned Crawl Space. When a crawl space is ventilated to the exterior by natural means in accordance with IRC section R408.2, the floor separating the crawl space from the living area shall be insulated in accordance with section R402.1. The crawl space shall not be heated.

R402.6.2 Conditioned Crawl Space. When a crawl space is ventilated by mechanical means in accordance with IRC section R408.3, the crawl space walls shall be insulated in accordance with section R402.1. The floor of the crawl space shall be covered in accordance with IRC section R408.3.

23.60.R402.7 Ventilation
Add the following section:

R402.7 Ventilation (Mandatory). Ventilation shall comply with ANSI/ASHRAE Standard 62.2-2010, including addenda. Where there are conflicts between an adopted code and this standard, the adopted code shall apply.

23.60.R403.2.3 Building Cavities (Mandatory).
Delete section R403.2.3. Building cavities may be used as plenums in accordance with the IRC or IMC, as applicable.

23.60.R403.3 Mechanical System Piping Insulation.
Insert the following exception under section R403.3:

Exception: Piping installed within the building thermal envelope.

23.60.R403.6 Equipment Sizing (Mandatory).
Amend section R403.6 by adding the following:

Equipment shall be sized to meet the load and over sizing shall not exceed 125 percent. When this is not feasible given the discrete size options available, equipment delivering the smallest output while satisfying the calculated load shall be used.

23.60.R405.3 Performance Based Compliance.
Add the following exception:

Exception: Compliance may be demonstrated through a home energy rating under a program approved by the Alaska Housing Finance Corporation (AHFC) that meets the following:

1. A minimum five-star rating is required.
2. The maximum air infiltration rate shall not exceed four air changes per hour at 50 pascals pressure difference.
3. The compliance rating shall be performed by a person authorized by AHFC.
COMPLIANCE WITH SECTIONS R405.4 THROUGH R405.6 IS NOT REQUIRED.

(AO No. 2015-127, § 1, 4-1-16)

Section 2. Anchorage Municipal Code chapter 23.60 is hereby amended to read as follows (the remainder of the chapter is not affected and therefore not set out):

CHAPTER 23.85 LOCAL AMENDMENTS TO THE INTERNATIONAL RESIDENTIAL CODE 2012 EDITION

23.85.R100 Local amendments to the 2012 International Residential Code.

The amendments to the 2012 International Residential Code are listed hereafter by section. The last digits of the number (after the title and chapter digits) are the section of the 2012 International Residential Code to which the amendments refers, i.e., 23.85.R310 refers to amendments to Section R310 of the 2012 International Residential Code.

*** *** ***

23.85. Chapter 11 Energy Efficiency [N1101.1 Scope].

[ADD THE FOLLOWING PARAGRAPH TO THIS SECTION:
REFERENCE AMC CHAPTER 23.60 FOR ALL AMENDMENTS TO THIS CHAPTER.
LOCAL AMENDMENTS SHOWN IN 23.60 APPLY TO THE REFERENCED SECTION IN PARENTHESES OF THIS CHAPTER.]

23.85. Chapters 12-43.
Amend by deleting in their entirety Energy Efficiency, Mechanical, Plumbing and Electrical, except specific sections referenced by the adopted provisions of this code.

*** *** ***

(AO No. 2015-127, § 1, 4-1-16)

Section 3. This ordinance shall be effective retroactive to April 1, 2016.

PASSED AND APPROVED by the Anchorage Assembly this 10th day of May, 2016.

Chair of the Assembly

ATTEST:

Municipal Clerk