

2012 International Residential Code Errata

(Portions of text and tables not shown are unaffected by the errata)

AFFECTS 1st through 9th PRINTING (THIS ERRATA POSTED September 28, 2016)

CHAPTER 11 ENERGY EFFICIENCY

N1103.5 (R403.5.1) Whole-house mechanical ventilation system fan efficacy. When installed to function as a whole-house Mechanical ventilation system fans shall meet the efficacy requirements of Table N1103.5.1.

Exception: Where whole-house mechanical ventilation fans are integral to tested and listed HVAC equipment, they shall be powered by an electronically commutated motor.

**TABLE N1103.5.1 (R403.5.1)
MECHANICAL VENTILATION SYSTEM FAN EFFICACY**

FAN LOCATION	AIR FLOW RATE MINIMUM (CFM)	MINIMUM EFFICACY ^a (CFM/WATT)	AIR FLOW RATE MAXIMUM (CFM)
Range hoods	Any	2.8 cfm/watt	Any
In-line fan	Any	2.8 cfm/watt	Any
Bathroom, utility room	10	1.4 cfm/watt	<90
Bathroom, utility room	90	2.8 cfm/watt	Any

For SI: 1 cfm = 28.3 L/min.

a. When tested in accordance with HVI Standard 916

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1 st and 2 nd PRINTING (9-25-12)
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CHAPTER 11 ENERGY EFFICIENCY

N1101.7 (R102.1.1) Above code programs. The *building official*...The requirements identified as “mandatory” in ~~Chapters 4 and 5 of this code~~ this chapter, as applicable, shall be met.

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1st and 2nd PRINTING (6-6-12)

CHAPTER 11[RE] ENERGY EFFICIENCY

Effective use of the International Residential Code

Chapter 11 [RE] Energy Efficiency. The purpose of Chapter 11 [RE] is to provide minimum design requirements That will promote efficient utilization of energy in buildings. The requirements are directed toward the design of building envelopes with adequate thermal resistance and low air leakage, and toward the design and selection of mechanical, water heating, electrical and illumination systems that promote effective use of depletable energy resources. The provisions of Chapter 11 [RE] are duplicated from the International Energy Conservation Code – Residential Provisions, as applicable for buildings which fall under the scope of the IRC.
(Rest of the information remains the same)

TABLE N1102.1.3 (R402.1.3) EQUIVALENT U-FACTORS^a

- c. Basement wall U-factor of 0.360 in warm-humid locations as defined by Figure ~~304.4~~N1101.1 (R301.1) and Table ~~304.4~~N1101.10 (R301.1).

Table and other footnotes remain unchanged.

SECTION N1101.9 (R202) Defined terms. The following words and terms shall, for the purposes of this chapter, have the meanings shown herein.

CURTAIN WALL. Fenestration products used to create an external nonload-bearing wall that is designed to separate the exterior and interior environments.

ENCLOSED SPACE. ~~A volume surrounded by solid surfaces such as walls, floors, roofs, and open able devices such as doors and operable windows.~~

F-FACTOR. The perimeter heat loss factor for slab-on-grade floors (Btu/h x ft x °F) W/(m x K)]

N1103.2.2 (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~~ Section M1601.4.1 of this code as applicable.

Portions of the section not shown remain unchanged

N1103.5 (R403.5) Mechanical ventilation (Mandatory). The building shall be provided with ventilation that meets the requirements of Section M1507 of this code or International Mechanical Code, as applicable, or with other approved means of ventilation. Outdoor air intakes and exhaust shall have automatic or gravity dampers that close when the ventilating system is not operating.

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TABLE N1105.5.2(1) (R405.5.2(1))
SPECIFICATIONS FOR THE STANDARD REFERENCE AND PROPOSED DESIGNS

BUILDING COMPONENT	STANDARD REFERENCE DESIGN	PROPOSED DESIGN
Structural mass	For masonry floor slabs, 80% of floor area covered by R-2 carpet and pad, and 20% of floor directly exposed to room air.	As proposed
	For masonry basement walls, as proposed, but with insulation required by Table N1102.1.3 (R402.1.3) located on the interior side of the walls.	As proposed
	For other walls, for ceilings, floors, and interior walls, wood frame construction.	As proposed

Portions of the table not shown remain unchanged.