

**STATE OF NEW HAMPSHIRE
STATE BUILDING CODE REVIEW BOARD**

**PART Bcr 306 CHANGES OR UPDATES TO THE INTERNATIONAL ENERGY
CONSERVATION CODE 2009**

Effective April 1, 2010

Bcr 306.01 International Energy Conservation Code 2009

(a) Pursuant to RSA 155-A:10, V, the board hereby adopts the following changes and updates to the applicable provisions of the *International Energy Conservation Code 2009*:

(1) Amend section 101.1 of the *International Energy Conservation Code 2009* by replacing said section with the following:

Title. These regulations shall be known as the *International Energy Conservation Code* of the State of New Hampshire, hereinafter referred to as "this code."

(2) Amend section 101.5 of the *International Energy Conservation Code 2009* by replacing said section with the following:

Compliance: Residential buildings shall meet the provisions of Chapter 4. Commercial buildings shall meet the provisions of Chapter 5.

Exception: Any structure three stories or less above grade plane in height and less than 4,000 ft² (372 m²) in gross floor area is permitted to show compliance based on Chapter 4.

(3) Reserved

(4) Amend section 403.4 of the *International Energy Conservation Code 2009* by replacing said section with the following:

403.4 Circulating hot water systems. All circulating service hot water piping shall be insulated to at least R- 4. Circulating hot water systems shall include an automatic or readily accessible manual switch that can turn off the hot water circulating pump when the system is not in use.

(5) Reserved

(6) Add footnote "k" to the Mass Wall R-value column of TABLE 402.1.1 Insulation and Fenestration Requirements by Component to the *International Energy Conservation Code 2009* as follows:

- k. Log walls complying with ICC400 and with a minimum average wall thickness of 5" or greater shall be permitted in Zones 5-8 when overall window glazing is .31 U-factor or lower, minimum heating equipment efficiency of 90 AFUE (gas) or 84 AFUE (oil), and all other component requirements are met.

TABLE 402.1.1
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT^a

CLIMATE ZONE	FENESTRATION U-FACTOR ^b	SKYLIGHT ^b U-FACTOR	GLAZED FENESTRATION SHGC ^{c,d}	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE ^e	FLOOR R-VALUE	BASEMENT ^c WALL R-VALUE	SLAB ^d R-VALUE & DEPTH	CRAWL SPACE ^e WALL R-VALUE
1	1.2	0.75	0.30	30	13	3/4	13	0	0	0
2	0.65 ^l	0.75	0.30	30	13	4/6	13	0	0	0
3	0.50 ^l	0.65	0.30	30	13	5/8	19	5/13 ^f	0	5/13
4 except Marine	0.35	0.60	NR	38	13	5/10	19	10/13	10, 2 ft	10/13
5 and Marine 4	0.35	0.60	NR	38	20 or 13+5 ^h	13/17	30 ^g	10/13	10, 2 ft	10/13
6	0.35	0.60	NR	49	20 or 13+5 ^h	15/19	30 ^g	15/19	10, 4 ft	10/13
7 and 8	0.35	0.60	NR	49	21	19/21	38 ^g	15/19	10, 4 ft	10/13