

City of Bullhead City
2018 IRC for One and Two-Family Dwellings
and IBC Group R, Residential
Energy Conservation – as amended

Table N1102.1.2 Insulation and Fenestration Requirements by Components.

COMPONENT R-values are <u>minimums</u> . U-factors and SHGC are <u>maximums</u> .	VALUE REQ'D
Climate Zone	3
Fenestration, U-factor ^b	0.32
Skylight, U-factor ^b	0.55
Glazed Fenestration, SHGC ^{b,e}	0.25
Ceiling, R-value	38
Wood Frame Wall, R-value	20 or 13+5
Mass Wall, R-value ⁱ	8/13
Floor, R-value	19
Basement Wall, R-value ^c	5/13
Slab, R-value and Depth ^d	0
Crawl Space Wall, R-value ^c	5/13
Supply and Return Ducts, R-value	8
Ducts in Floor Trusses, R-value	6

(See table footnotes in IRC code book.)

Amendments:

Sections of the published codes not referenced below apply and remain as published. Published means the original version of the codes without City amendments. Referenced sections of the codes below are replaced in their entirety unless noted therein as: (Add) means addition of text to the published text; (Delete) means deletion of the published text in its entirety; (Remain) means referenced provisions remain as published; and (Replace) means replace a portion of published text only.

Section N1101.1 Scope. This chapter regulates the energy efficiency for the design and construction of buildings regulated by this code and all “R” occupancy buildings regulated by the International Building Code. Three options are provided; the option to be used is to be declared when construction documents are submitted for review.

(Add) Option 1. Buildings may be designed in accordance with the 2018 International Energy Conservation Code, IECC-Residential Provisions as published; or

(Add) Option 2. Buildings may be designed in accordance with Chapter 11 Energy Efficiency of this code as published; or

(Add) Option 3. Building may be designed in accordance with Chapter 11 Energy Efficiency of this code as amended.

Section N1101.5 (R103.2) Information on construction documents.

(Delete - items 3 through 8)

Chapter 11 Energy Efficiency.

(Replace “Mandatory” with “Optional” in listed sections N1101.14 through N1104.1)

Section N1101.14 (R401.3) Energy efficiency certificate (Optional).

Section N1102.4 (R402.4) Air leakage (Optional).

Section N1103.3.3 (R403.3.3) Duct testing (Optional).

Section N1103.5.1 (R403.5.1) Heated water circulation and temperature maintenance systems (Optional).

Section N1103.6 (R403.6) Mechanical ventilation (Optional).

Section N1103.7 (R403.7) Equipment sizing and efficiency rating (Optional).

Section N1103.10 (R403.10) Pools and permanent spa energy consumption (Optional).

Section N1103.11 (R403.11) Portable spas (Optional).

Section N1103.12 (R403.12) Residential pools and permanent residential spas (Optional).

Section N1104.1 (R404.1) Lighting equipment (Optional).

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Figure N1101.7 Climate Zones.

(Add) US States, Arizona, Mohave County, Declared climate zone is 3-Dry(B).

Table N1102.1.4 Equivalent U-Factors. Declared climate zone is 3.