				Table	R402.1.3.1					
	N	ID Alternativ	e Insulation Min	imum R-Valı	ies and Fenesti	ration Require	ements by	Component <sup>a</sup>		
Climate Zone	Fenestration U-Factor <sup>6,1</sup>	Skylight <sup>b</sup> U-Factor	Glazed Fenestration SHGC <sup>b, c</sup>	Ceiling R-Value	Wood Frame Wall R-Value <sup>g</sup>	Mass Wall R-Value <sup>h</sup>	Floor R- Value	Basement <sup>e, g</sup> Wall R-Value	Slab <sup>d</sup> R-Value & Depth	Crawl Space <sup>ag</sup> Wall R-Value
4 except Marine	0,30	0,55	0.40	49	20 or 13+5 <sup>h</sup>	8/13	19	10ci or 13	10ci, 4ft	10ci or 11
5	0,30	0.55	0.40	49	20 or 13+5 <sup>h</sup>	13/17	30	15ci or 19 or 13 + 5ci	10ci, 4ft	15ci or 19 Or 13 - 5ci

For SI: 1 foot = 304.8 mm

ci = continuous insulation

a R-values are minimums. U-factors and SHGC are maximums. Where insulation is installed in a cavity that is less than the label or design thickness of the insulation, the installed R-value of the insulation shall be not less than the R-value specified in the table.

b The fenestration U-factor column excludes skylights. The SHGC column applies to all glazed fenestrations. Exception: In Climate Zones 0 through 3, skylights shall be permitted to be excluded from glazed fenestration SHGC requirements provided that the SHGC for such skylights does not exceed 0.30,

"10ci or 13" means R-10 continuous insulation (ci) on the interior or exterior surface of the wall or R-13 cavity insulation on the interior side of the wall. "15ci or 19 or 13 & 5ci" means R-15 continuous insulation (ci) on the interior or exterior surface of the wall; or R-19 cavity insulation on the interior side of the wall; or R-13 cavity insulation on the interior of the wall in addition to R-5 continuous insulation on the interior or exterior surface of the wall.

4 R-5 insulation shall be provided under the full slab area of a heated slab in addition to the required slab edge insulation R-value for slabs, as indicated in the table.

The slab-edge insulation for heated slabs shall not be required to extend below the slab.

There are no SHGC requirements in the Marine Zone

Basement wall insulation is not required in Warm Humid locations as defined by Figure R301.1 and Table R301.1.

The first value is cavity insulation, the second value is continuous insulation. Therefore, as an example, "13 & 5" means R-13 cavity insulation plus R-5 continuous insulation.

Mass walls shall be in accordance with Section R402.2.5. The second R-value applies where more than half of the insulation is on the interior of the mass wall.

A maximum U-factor of 0.32 shall apply in Climate Zones 3 through 8 to vertical fenestration products installed in buildings located either:

Above 4,000 feet in elevation, or

<sup>2</sup> In windborne debris regions where protection of openings is required by Section R301.2.1.2 of the International Residential Code.