PROPOSED replacement table and footnotes for 2022:

CLIMATE ZONE	LOG WALL,	FENESTRAT ION U- FACTOR ^{b, c}	SKYLIGHT U-FACTOR ^b	FENES- TRATION SHGC ^b	ATTIC CEILING R- VALUE	CEILING INSULATIO N ENTIRELY ABOVE DECK	WOOD FRAME WALL R- VALUE ^{ed}	FLOOR R- VALUE ^{d,e}
0 - 1	≥ 5 in.	0.50 <u>0.40</u>	0.75 <u>0.60</u>	0.25	0.035 (R-30)	0.039 (R-25ci)	0.084 (R-13+0ci or R- 0+7.5ci)	0.064 (R-13)
2	≥ 5 in.	0.4 <u>0.35</u>	0.65 <u>0.53</u>	0.25	<u>0.03</u> <u>(R-</u> 38 <u>)</u>	<u>0.039</u> (R-25ci)	<u>9.71361</u> ,	<u>0.064</u> (R-13)
3					<u>0.03</u>	0.039	<u>0.06</u>	<u>0.047</u>
3 MARINE	≥ 5 in.	0.35 <u>0.28</u>	0.55 <u>0.53</u>	0.25	<u>(R-</u> 38 <u>)</u>	<u>(R-25ci)</u>	(R-20 <u>+0ci</u> or <u>R-</u> 11+5 <u>ci</u> or R- 0+12.5ci)	<u>(R-</u> 19 <u>)</u>
4 <u>A (Moist)</u> & <u>EXCEPT</u> MARINE					0.026	0.032	0.045	<u>0.047</u>
4B (Dry) &- EXCEPT MARINE	≥ 5 in.	0.33 <u>0.28</u>	0.55 <u>0.53</u>	0.4	<u>(R-</u> 49 ^k)	<u>(R-30ci)</u>	(R-20+5 <u>ci</u> or <u>R-</u> 13+10 <u>ci or</u> R-0+15ci)	<u>(R-</u> 19 <u>)</u>
E EVCEDT 4					0.026	0.032		0.033
5 EXCEPT 4 MARINE	≥ 5 in.	0.32 <u>0.28</u>	0.55 <u>0.53</u>	NR	<u>(R-</u> 49 ^k)	(R-30ci)		<u>(R-</u> 30 <u>)</u>
5 <u>A (Moist)</u> EXCEPT MARINE	≥ 5 in.				<u>0.026</u>	0.032	<u>0.045</u>	<u>0.033</u>
5B (Dry) EXCEPT- MARINE	5" SG≤0.50: 7" SG>0.50	0.32 <u>0.28</u>	0.55 <u>0.50</u>	NR	<u>(R-</u> 49 ^k)	(R-30ci)	(R-20+5 <u>ci</u> or <u>R-</u> 13+10 <u>ci or</u> R-0+15ci)	<u>(R-</u> 30 <u>)</u>
6 <u>A (Moist)</u>	5" SG≤0.50: 7" SG>0.50				<u>0.026</u>	0.032	<u>0.045</u>	<u>0.033</u>
6B (Dry)	5" SG≤0.50: 7" SG>0.50	0.30 <u>0.27</u>	0.55 <u>0.50</u>	NR	<u>(R-</u> 49 ^k)	<u>(R-30ci)</u>	(R-20+5 <u>ci</u> or <u>R-</u> 13+10 <u>ci or</u> R-0+20ci)	<u>(R-</u> 30 <u>)</u>
					0.024	<u>0.035</u>	0.036	0.028

<u>7</u> 7&8	≥7 in. 5" SG≤0.50: 7" SG>0.50	0.30 <u>0.27</u>	0.55 <u>0.50</u>	NR	<u>(R-60^k)</u>	<u>(R-35ci)</u>	(R-20+10 <u>ci</u> or <u>R-</u> 13+15 <u>ci or</u> R-0+25ci)	<u>(R-</u> 38 <u>)</u>
	≥7 in. 5"				0.024	0.035		<u>0.028</u>
7&8 <u>8</u>	SG≤0.50: 7" SG>0.50	0.30 <u>0.27</u>	0.55 <u>0.50</u>	NR	(R-60 ^k)	(R-35ci)		<u>(R-</u> 38 <u>)</u>

For SI: 1 foot = 304.8 mm.

NR = Not Required.

- a. *R*-values are minimums. U-factors and SHGC are maximums. When Where insulation is installed in a c thickness of the insulation,-the installed R-value of the insulation shall not be lest han the R-value specific the insulation shall not be lest than the R-value specific th
- b. The fenestration U-factor column excludes skylights. The SHGC column applies to all fenestration.

 _Exception: In Climate Zones 1 through 3, Sskylights may shall be permitted to be excluded from glaze Zones 1-3, where provided that the SHGC for such skylights does not exceed 0.30.
- c. In Climate Zones 5-8, the maximum glazing area is 20%. Glazing area includes window and skylight opedoors, as a percentage of wall area. Sunrooms are exempt from this requirement.
- <u>d.</u> e. "13+5" means R-13 cavity insulation plus R-5 continuous insulation. If structural sheathing covers 25 ¢ sheathing is not required where structural sheathing is used. If structural sheathing covers more than be supplemented with insulated sheathing of at least R-2.

The first value is cavity insulation, the second value is continuous insulation. Therefore, as an example continuous insulation.

continuous insulation.

- d. e. Or Alternatively, insulation sufficient to fill the framing cavity providing not less than an R-value of, wi
- e.f. "10/13" means R-10 continuous insulation on the interior or exterior of the home or R-13 cavity insula "15/19" means R-15 continuous insulation on the interior or exterior of the home or R-19 cavity insula Alternatively, compliance with "15/19" shall be R-13 cavity insulation on the interior of the basement or exterior of the home.

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efg/ CRAWL WALL R- VALUE	SLAB R- VALUE & DEPTH	HEATED SLAB R- VALUE [®]	MAX. INFILTRA- TION	HVAC SYSTEM EFFICIENCY ⁱ	
0.36 (R-0)	0	5 <u>ci edge &</u> <u>under</u>	<u>4 ACH50</u>	80 AFUE, 8.2 HSPF /	
0.36 (R-0)	0	5 <u>ci edge &</u> <u>under</u>			
0.091	<u>0.767</u>			15 SEER /	
(5 <u>ci</u> ∤or R- 13)	5 <u>10ci</u> , 2-ft.	5 <u>ci edge &</u> under	<u>3 ACH50</u>	12 EER HP	
0.059	<u>0.684</u>				
(10 <u>ci</u> /or R- 13)	1 100 4 7 -tt 1		<u>3 ACH50</u>	90 AFUE gas/LP, 85 AFUE oil, 8.5 HSPF / 15 SEER /	
0.05 (15ci /or R- 19 or R- 13+5ci)	0.684 10 <u>ci, 4</u> 2-ft.	10ci edge & under		12 EER	
0.05 (15 <u>ci</u> /or R- 19 <u>or R-</u> 13+5ci)	<u>0.684</u> 10 <u>ci</u> , <u>4</u> 2-ft.	10 <u>ci edge &</u> under	<u>3 ACH50</u>	90 AFUE gas/LP, 85 AFUE oil, 9.25 HSPF / 15 SEER / 12 EER	
0.05 <u>0.655</u> (15 <u>ci</u> /or R- 19 <u>or R-</u> 15 <u>ci</u> , 4-ft.		15 <u>ci edge &</u> under	3 ACH50	90 AFUE gas/LP, 85 AFUE oil, 9.5 HSPF / 15 SEER / 12 EER	
13+5ci) 0.038	<u>0.636</u>				

2021 Mass Wall U-Factor
0.197
0.165
0.098
0.098
0.082
0.082
0.06

(20 <u>ci ∤or R-</u> 13 <u>+10ci)</u>	15 20, 4-ft.	15 <u>ci edge &</u> under	<u>3 ACH50</u>	90 AFUE gas/LP, 85 AFUE oil, 3.6 COP /	0.057
0.038 (20 <u>ci</u> /or R- 13+10ci)	<u>0.636</u> 15 <u>20</u> , 4-ft.	15 20ci edge & under		<u>17.1 EER</u>	

cavity which is less than the label or design cified in the table.

ed fenestration SHGC requirements in Climate

2021 IECC-R T402.1.2

ening area, plus actual glazed area of glass in

VT 2020 RBES

percent or less of the exterior, insulating -25 percent of exterior, structural sheathing shall-

, "13+5" means R-13 cavity insulation plus R-5

2021 IECC-I

th R-19 as the absolute minimum in Climate Zones

Delete this footnote.

ation on the interior of the basement wall.
ation on the interior of the basement wall.
wall plus R-5 continuous insulation on the interior

2021 IECC-R T402.1.3