Mod to REPI-33

Replace REPI-33 in its entirety with the following:

**TABLE R402.1.2**

**MAXIMUM ASSEMBLY *U*-FACTORSa AND FENESTRATION REQUIREMENTS**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CLIMATE ZONE** | **FENESTRATION**  ***U*-FACTORf** | **SKYLIGHT**  ***U*-FACTOR** | **GLAZED FENESTRATION SHGCd, e** | **CEILING**  ***U*-FACTOR** | **WOOD FRAME WALL**  ***U*-FACTOR** | **MASS WALL**  ***U*-FACTORb** | **FLOOR**  ***U*-FACTOR** | **BASEMENT WALL**  ***U*-FACTOR** | **CRAWL SPACE WALL**  ***U*-FACTOR** |
| 0 | 0.50 | 0.75 | 0.25 | 0.035 | 0.084 | 0.197 | 0.064 | 0.360 | 0.477 |
| 1 | 0.50 | 0.75 | 0.25 | 0.035 | 0.084 | 0.197 | 0.064 | 0.360 | 0.477 |
| 2 | 0.40 | 0.65 | 0.25 | 0.030  ~~0.026~~ | 0.084 | 0.165 | 0.064 | 0.360 | 0.477 |
| 3 | 0.30 | 0.55 | 0.25 | 0.030  ~~0.026~~ | 0.060 | 0.098 | 0.047 | 0.091c | 0.136 |
| 4 except Marine | 0.30 | 0.55 | 0.40 | 0.026 ~~0.024~~ | 0.045 | 0.098 | 0.047 | 0.059 | 0.065 |
| 5 and  Marine 4 | 0.30 | 0.55 | 0.40 | 0.026 ~~0.024~~ | 0.045 | 0.082 | 0.033 | 0.050 | 0.055 |
| 6 | 0.30 | 0.55 | NR | 0.026  ~~0.024~~ | 0.045 | 0.060 | 0.033 | 0.050 | 0.055 |
| 7 and 8 | 0.30 | 0.55 | NR | 0.026  ~~0.024~~ | 0.045 | 0.057 | 0.028 | 0.050 | 0.055 |

**TABLE R402.1.3**

**INSULATION MINIMUM *R*-VALUES AND FENESTRATION REQUIREMENTS BY COMPONENTa**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CLIMATE ZONE** | **FENESTRATION**  ***U*-FACTORb, i** | **SKYLIGHTb**  ***U*-FACTOR** | **GLAZED FENESTRATION SHGCb, e** | **CEILING**  ***R*-VALUE** | **WOOD FRAME WALL**  ***R*-VALUEg** | **MASS WALL**  ***R*-VALUEh** | **FLOOR**  ***R*-VALUE** | **BASEMENTc,g WALL**  ***R*-VALUE** | **SLABd *R*-VALUE & DEPTH** | **CRAWL SPACEc,g WALL**  ***R*-VALUE** |
| 0 | NR | 0.75 | 0.25 | 30 | 13 or 0&10ci | 3/4 | 13 | 0 | 0 | 0 |
| 1 | NR | 0.75 | 0.25 | 30 | 13 or 0&10ci | 3/4 | 13 | 0 | 0 | 0 |
| 2 | 0.40 | 0.65 | 0.25 | 38~~49~~ | 13 or 0&10ci | 4/6 | 13 | 0 | 0 | 0 |
| 3 | .30 | 0.55 | 0.25 | 38  ~~49~~ | 20 or 13&5cih or  0 & 15cih | 8/13 | 19 | 5ci or 13f | 10ci, 2 ft | 5ci or 13f |
| 4 except Marine | .30 | 0.55 | 0.40 | 49  ~~60~~ | 30 or 20& 5cih or 13& 10cih or 0& 20cih | 8/13 | 19 | 10ci or 13 | 10ci, 4 ft | 10ci or 13 |
| 5 and  Marine 4 | 0.30i | 0.55 | 0.40 | 49  ~~60~~ | 30 or 20& 5cih or 13& 10cih or 0& 20cih | 13/17 | 30 | 15ci or 19 or 13 & 5ci | 10ci, 4 ft | 15ci or 19 or 13 &5ci |
| 6 | 0.30i | 0.55 | NR | 49  ~~60~~ | 30 or 20& 5cih or 13& 10cih or 0& 20cih | 15/20 | 30 | 15ci or 19 or 13 & 5ci | 10ci, 4 ft | 15ci or 19 or 13 &5ci |
| 7 and 8 | 0.30i | 0.55 | NR | 49  ~~60~~ | 30 or 20& 5cih or 13& 10cih or 0& 20cih | 19/21 | 38 | 15ci or 19 or 13 & 5ci | 10ci, 4 ft | 15ci or 19 or 13 &5ci |

Modification to the modified REPI-18:

**R408.2 Additional efficiency credits ~~package options~~.** Two ~~of the~~ ~~Aa~~dditional efficiency ~~package options for compliance with Section R401.2.1 are set forth in Sections R408.2.1 through R408.2.5.~~ measures shall be selected from Table R408.2 that are cumulatively equal to or greater than ~~meet or exceed~~ ten credits. Each measure selected shall meet the relevant subsections of Section R408 and receive credit as ~~indicated~~ specified in ~~the~~ Table 408.2 for the specific Climate Zone. Interpolation of credits between measures shall not be permitted.

**R408.2.1 Opaque wall option.** For buildings in climate zones 4 and 5, the maximum U-factor of 0.060 shall be permitted to be used for wood frame walls for compliance with Table R402.1.2 where complying with one or more of the following:

1. A heat pump is installed for space heating.
2. All installed water heaters have a UEF equal to or greater than 2.0 or a COP of greater than 1.0.
3. In addition to the number of credits required by Section R408.2, three additional credits are achieved.