

## GG298-14

1003.2.7, 605.1.1, 605.2.

**Proponent:** Mike Fischer, Kellen Company, representing The Asphalt Roofing Manufacturers Association (mfischer@kellencompany.com)

**Revise as follows:**

**605.1.1 Insulation and fenestration criteria.** The *building thermal envelope* shall exceed the requirements of Tables C402.1.2 and C402.3 of the *International Energy Conservation Code* by not less than 10 percent. Specifically, for purposes of compliance with this code, each U-factor, C-factor, F-factor and SHGC in the specified tables shall be reduced by 10 percent to determine the prescriptive criteria for this code. In Sky Type "C" locations specified in Section 808.4, the skylights shall not exceed 5 percent of the building roof area.

**Exception:** For roof replacement, where the existing roof assembly is part of the *building thermal envelope* and contains insulation entirely above deck, roof replacement shall include compliance with the requirements of the *International Energy Conservation Code*.

~~**605.2. Roof replacement.** Above-deck insulation for roof replacement on an existing building with insulation entirely above the deck and where the roof slope is less than two units vertical in 12 units horizontal (17-percent slope) shall be in accordance with Section 1003.2.7.~~

**Delete without substitution:**

~~**1003.2.7 Roof replacement insulation.** For roof replacement on an existing building with insulation entirely above the deck and where the roof slope is less than two units vertical in 12 units horizontal (16-percent slope), the insulation shall conform to the energy conservation requirements for insulation entirely above deck in the *International Energy Conservation Code*.~~

~~**Exception:** Where the required R-value cannot be provided due to thickness limitations presented by existing rooftop conditions, including heating, ventilating and air conditioning equipment, low door or glazing heights, parapet heights, proper roof flashing heights, the maximum thickness of insulation compatible with the available space and existing uses shall be installed.~~

**Reason:** This proposal corrects a discrepancy between the IgCC and recently approved changes to the IECC. The IgCC contains exceptions and limitations governing insulation for roof replacement which are not contained in the IECC. The proposal ensures that the IgCC is at least as efficient as the IECC, but maintains the option that roof replacement projects meet only the base IECC requirements; not a 10% higher level of efficiency.

**Cost Impact:** Will not increase the cost of construction

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