

## CHAPTER 11 ERRORS/EDITORIALS

The following are areas in Chapter 11 that need to be updated/corrected (current code is incorrect) – explanation/discussion is below the code:

### Table N1104.1(1)

Skylights  $\leq 2\%$ <sup>h</sup> *Underlining omitted for clarity*

*No Other Changes in body of Table*

- d. Minimum Component Requirements: Walls R-15; Floors R-21; Flat Ceilings R-38; Vaults R-21; Below-Grade Wood, Concrete or Masonry Walls R-15; Slab Edge R-10; Duct Insulation R-8. *R-values* used in this table are nominal, for the insulation only and not for the entire assembly. ~~Window and skylight~~ *U-values factor* shall not exceed 0.65. Skylight U-factor shall not exceed 0.75 for 2 percent or less of area (as a percentage of total heated space floor area) and 0.60 for area exceeding 2 percent. Door *U-values factor* shall not exceed 0.54 (nominal R-2). A maximum of 28 square feet (2.6 m<sup>2</sup>) of exterior door area per dwelling unit can have a *U-factor* of 0.54 or less and shall not be included in calculations.

#### **Discussion:**

The manner in which 2% skylights is presented in the body of current table; two percent (on-the-nose) is in no-man's land.

Skylights used to be tested in a vertical plane (same as a "window"). From the time this original skylight value of 0.65 (which was in reference to a skylight tested in the vertical plane), they are now tested in the "overhead plane" and U-factors in the vertical plane DO NOT exist for skylights. Note that within the body of Table N1104.1(1) (and in footnote h, which provides a generic description) are U-0.75 for  $\leq 2\%$  Skylights and U-0.60 for  $>2\%$  skylights. When overhead U-factors were established, footnote was not updated.

The technically correct terminology for fenestration is *U-factor* not *U-value*.