



Setting the **Standards** for
Home Energy Efficiency

Interpretation: Exterior Shading

Designation: 301-2014-004

Approved: June 12, 2015 by SDC 300, Testing, Calculation and Labeling for Home Energy Ratings

Effective Date: July 13, 2015

Proponent: Calculations Subcommittee of SDC 300

Applies to:

ANSI/RESNET 301-2014

Table 4.2.2(1), Glazing *External Shading*

Table 4.4.2(1), 6. *Windows Shading*

Interpretation:

The terms *External Shading* and *Shading* refer only to permanent, fixed shading devices attached to the building such as fins and overhangs, and that window screens, movable awnings, roller shades, and shade from adjacent buildings, trees and shrubs shall not be included.

Rationale:

Without this interpretation software vendors may be accounting for shading from adjacent buildings, trees and shrubs in the rating process. In some interpretations, adjacent shading might be included only in the analysis of the Rated Home energy usage and not in the analysis of the Reference Home energy usage. The impact of such an interpretation on the HERS index can be substantial. Adjacent objects are not part of the Rated Home design. Characterizing the relative location and physical attributes of these objects (or a simplified representation of the shading from these objects) is highly subjective and can lead to inconsistency in the rating process.