

The 2002 edition of the North Carolina Residential Building Code requires that homes comply with the North Carolina Energy Code. It provides a prescriptive table (N1102.1 on page 281) with R-values for insulation and U-factors for windows provided that a detached home has no more than 15% of its exterior walls made up of windows (25% for townhomes). If these limits are exceeded, the applicant is required to show compliance by using prescriptive tables in the Energy Code, or by using *Rescheck*, a downloadable worksheet from the US Department of Energy (<http://www.energycodes.gov/>). To verify that the plans are in compliance, applicants must provide the following on their plans:

- a) Square feet of windows in heated areas of the home (use the nominal window dimensions for this calculation),
- b) Square feet of exterior walls (use only wall areas enclosing conditioned space),
- c) Percentage of exterior wall that is windows (a divided by b above),
- d) Proposed U-factors of windows,
- e) Proposed R-values of all insulation.

A completed *Rescheck* form will provide this information and is acceptable.