Roof Coverings

When roof coverings are replaced as part of the South Carolina Safe Home Program it is highly recommended that the existing roof deck be examined to determine if the fastening (nails) meet the current building code requirements. If not, is recommended that the roof deck fastening be upgraded as outlined in Section B of this manual. It is also highly recommended that a Secondary Water Barrier system, described in Section C of this manual, be installed prior to installing the new roof covering.

Roof coverings must meet the South Carolina Building Code in effect for the jurisdiction where the house is located. Unless a local amendment has been adopted to increase the requirements of the Code, the minimum wind resistance of asphalt shingles must meet ASTM D-3161 (modified for 110MPH) in all areas where the design wind speed equals 110 MPH (3 sec-gust) or greater. Fastening and installation of underlayments must be in accordance with the Code and manufacturer's installation instructions for high wind applications in all areas where the design wind speed equals 110 MPH (3 sec-gust) or greater.

The Asphalt Roofing Manufactures Association publication "*Asphalt Roofing Residential Manual*", the Building Code and the manufacturer's installation instructions provide all the required information to install the entire roof covering system to be acceptable for the South Carolina Safe Home Program. Review of the appropriate Codes is recommended:

1. Chapter 15 of the Building Code
2. Chapter 9 of the Residential Code

Sample ICC Legacy Reports for the following are included:

Appendix D-1 Roof Covering and Roof Deck Construction

Appendix D-2 Roof Shingles

Appendix D-3 Roof Accessories