



Touchstone Energy®

A P P L I C A T I O N

HOME



1940 Highway 278 • P.O. Box 820 • Ridgeland SC 29936

Hampton: 803-943-2211

Hilton Head: 843-681-5551

New River: 843-208-5551

Ridgeland: 843-726-5551

Toll free: 1-800-922-5551

www.palmetto.coop

Homeowner:

Name: _____

Mailing Address: _____

City, State, Zip: _____

Phone #: _____

E-mail: _____

Builder:

Builder: _____

Address: _____

City, State, Zip: _____

Phone #: _____

E-mail: _____

Touchstone Energy Home® Information:

Address: _____

Size: _____ (conditioned sq. ft.)

Location#/Meter#/Map# _____

OFFICE USE ONLY

Type:

Single Family:

Multi Family:

Total # of units: _____

Prescriptive Requirements:

THERMAL INSULATION

INFILTRATION CONTROLS

DOORS

WINDOWS AND SKYLIGHTS

VENTILATION

HEAT PUMP

DUCT SYSTEMS

WATER HEATERS

FIREPLACES

Required Documentation:

Certificate of Insulation

Manual J Heating and Cooling Load Calculation

HVAC Model # _____

HVAC south Carolina Mechanical Contractor License # _____

As the Builder of the home(s) mentioned above, I certify that it meets or exceeds the energy efficiency standards of Palmetto Electric Cooperative's Touchstone Energy Home program. (See Program Standards)

Builder/Contractor

Date

Cooperative Representative

Date

Touchstone Energy Home® Program Standards

The Touchstone Energy Home standards are intended to meet or exceed any applicable existing local, state codes and Federal regulations. In any case where a Federal, State, or local code or regulation exceeds the requirements herein, that code or regulation shall apply.

THERMAL

- R-38 Insulation above Ceilings.
- R-19 Insulation in Roof/Ceiling (cathedral or vault) / Attic / Exposed kneewalls.
- R-13 Insulation in Wall Cavities (R-15 total wall).
- R-19 Insulation under Floor.

INFILTRATION CONTROLS

- Seal all penetrations in the exterior envelope.
- Sill plates must be sealed with an appropriate sealant.
- Doors, windows and attic hatches installed in an air tight fashion.
- Exterior finish walls must fit tight against the sill plate.
- Properly installed faced insulation batts or unfaced batts with a complete polyethylene vapor barrier.
- Zero Clearance can lights. ICAT - direct insulated lights.
- Crawl space shall be covered with polyethylene ground cover (4-6mil) to prevent moisture migration into the home.
Note: *It is recommended, but not required, that a properly installed house wrap be used as an air barrier.*

DOORS

- All opaque exterior doors shall be weather-stripped on all sides and of solid construction. Metal doors with a urethane core, thermal break, and gasketed weather-stripping are recommended.
- All glass doors shall be double-glazed with a thermal break. *(One entry door may be exempt from this requirement).*

WINDOWS

- Double-glazed windows.
Note: *The total square footage of glass can affect energy consumption. It is strongly recommended that low-E glass, window treatments, or shading be used to lower the heat gained and lost through the windows. This is especially important where more glass is used. Maximum of 25% glass to floor area is allowed.*

VENTILATION

- Minimum attic ventilation should be one square foot of net free area for each 150 square feet of attic area. *(Power ventilators should only be used when there is adequate net free area of intake for each power ventilator.)* The recommended method is a combination of continuous ridge and soffit vents.
- Bathroom exhaust, kitchen exhaust, and clothes dryers shall be vented to the outside, not to the attic or crawl space.
- Crawl space ventilation shall be provided as required by local code.

HEAT PUMP

- 12.0 SEER (ARI rated) is the minimum efficiency allowed under this program.
- A Manual J based load calculation shall be performed and submitted for qualification.
- Heat pumps shall be sized by industry standards (*Manual J and S*).
- Installer of HVAC System must have a South Carolina Mechanical license.

DUCT SYSTEMS

- Duct system shall be built and sealed to industry accepted procedures (*Manual D*). HVAC contractor must have a state mechanical license.

WATER HEATING

Electric water heating is required (*heat pump water heaters or heat recovery systems are acceptable*).

FIREPLACES

- Fireplaces shall have a glass front or glass doors. Where ventilation is required, the firebox should be provided with outside combustion air ducted in and have dampers on both the combustion air duct and the chimney flue to minimize air leakage during periods of non-use.