

# WHAT MAKES THIS HOME GREEN?



95 Suncatcher Court, Pittsboro, NC 27312

## THE DESIGN

- Site integrated design to capture the energy of the sun and provide private outdoor living spaces
- Passive solar design provides space heating & day lighting for reduced energy consumption
- Deep overhangs provide summer shading
- Public areas of the home sited on the south for optimum day lighting benefits.

## THE ENVELOPE

- Air tight insulation systems using open cell spray foam insulation for reduced energy consumption
- High Performance Dual Glazed Low E windows for reduced energy consumption
- Insulated Fiberglass Entry Doors for reduced energy consumption
- Insulated Superior® Wall System in basement for reduced energy consumption
- Third party inspections during construction include a blower door test for house air tightness and a duct pressure test for duct air leakage and ensure reduced energy consumption
- ENERGY STAR® Certification qualifies owner for 5% reduction in Progress Energy bills

## HEATING AND COOLING SYSTEMS

- High SEER HVAC system engineered for optimum comfort & efficiency
- Programmable thermostat for reduced energy consumption
- All duct work in conditioned and semi-conditioned spaces for reduced energy consumption
- Substantially reduced allergen and mold contact with the use of pleated air filters

## SPECIAL SYSTEMS

- Grid-tied 2.4 KWh photovoltaic array to provide power for the grid and offset electricity use of the home.
- **Renewable Energy Tax Credits Available.**
- Solar hot water system capable of providing 80-100% of the hot water needs of the home.  
**Renewable Energy Tax Credits Available.**
- ENERGY STAR® rated appliances for reduced energy consumption

## MATERIAL CHOICES

- Fiber Cement Board Siding (James Hardi® Plank) which is termite and rot resistant
- MiraTEC® exterior trim materials with post consumer recycled content
- Formaldehyde-free Advantech® sub flooring for healthier indoor air
- Hardwood and tile flooring throughout (no carpet) for healthier indoor air
- Low flow plumbing fixtures to conserve water
- All compact fluorescent and fluorescent lamping for reduced energy consumption
- Central Vacuum System Stub-in