Tommy Williams Homes
Gainesville, FL

Energy Efficiency Features
• Home Energy Index (HERS) to 72 or below
  (significantly better than Energy Star which is 85 or below)
• Double Pane, Low-e Vinyl Frame Windows
• R-15 Fiberglass “Spider” Wall Insulation
• R-30 Ceiling Insulation
• ENERGY STAR® Certified
  Including Thermal Bypass Checklist Compliance
• Extensive Use of Compact Fluorescent Bulbs
• Manual J Sized Heating and Cooling System
• High Efficiency Heat Pump (HSPF 9, SEER 15.25)
• Manual D Sized Duct System, Sealed With Mastic At Joints
• Advanced framing for improved insulation coverage

Indoor Air Quality Features
• Outside Air “Run-time” Ventilation System
  • When furnace or air conditioner is running, creating beneficial positive
    pressure in the house to minimize intrusion of outside humidity and dust
  • Filtered outside air is mixed with house air in return plenum
  • Passive System - no moving parts to maintain
  • Can be disabled if necessary (such as when there’s a fire in the area)
• Ducted exhaust fans in kitchen and bath rooms to remove humid air
• Duct System Air Tightness Tested
• Air Handler in Conditioned Space (away from auto exhaust fumes in garage)
• Air Sealing to Reduce Infiltration (outside air, pollen, dust, soil gases, etc)

Systems Engineering Protocol by Florida H.E.R.O
• Simulation analysis to identify cost effective energy efficiency package
• Each design evaluated to identify opportunities for improvements in indoor air
  quality, durability, and comfort & to ensure specifications are correctly indicated
• ACCA Manual J load calculation to determine heating/cooling equipment size
• ACCA Manual D calculations to determine duct system sizes
• Scope of work developed for the mechanical contractor
• Each home performance tested and rated using the Home Energy Rating System

Tommy Williams Communities
Longleaf Village
Build out: 275
Completed: 120
(Additional 275 lots allocated to a non-Building America builder)

Belmont
Build out: 136 homes
Completed: 66
(Additional 55 lots allocated to a non-Building America builder)
A Strong Energy Portfolio for a Strong America

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy’s Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.

Research and Development of Buildings

Our nation’s buildings consume more energy than any other sector of the U.S. economy, including transportation and industry. Fortunately, the opportunities to reduce building energy use—and the associated environmental impacts—are significant.

DOE’s Building Technologies Program works to improve the energy efficiency of our nation’s buildings through innovative new technologies and better building practices. The program focuses on two key areas:

- **Emerging Technologies**
  Research and development of the next generation of energy-efficient components, materials, and equipment

- **Technology Integration**
  Integration of new technologies with innovative building methods to optimize building performance and savings

For more information contact
EERE Information Center
1-877-EERE-INF (1-877-337-3463)
www.eere.energy.gov

Visit our Web sites at:


Building America Program

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| Terry Logee • Existing Homes | 202-586-1689 | fax: 202-586-4617 | e-mail: terry.logee@ee.doe.gov |
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Building Industry Research Alliance (BIRA)

| Robert Hammon • ConSol | 7407 Tam O’Shanter Drive #200 | Stockton, CA 95210-3370 | 209-473-5000 | fax: 209-474-0817 |
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Consortium for Advanced Residential Buildings (CARB)

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Produced for the U.S. Department of Energy (DOE) by Florida Solar Energy Center and the National Renewable Energy Laboratory. 
April 2007