Energy Value Housing Award®

A look at design features from the nation’s elite energy-efficient home builders and remodelers

2011 WINNERS

NAHB Research Center
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National Association of Home Builders
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Hot Climate, Custom Home

According to the EVHA judges, Ferrier Custom Homes creates “excellently crafted homes” in large part due to its meticulous construction management process. As one EVHA judge quipped, the company “could not improve on this process and still have the subcontractors show up.” Judges further describe Ferrier Custom Homes’ marketing practices as a “blueprint for best practices.” The company’s marketing materials have a unified look and a strong, central theme, “Building Dreams. Saving Energy.” Its visually striking website hosts detailed information on past projects including construction photographs, lists of high performance home features, and testimonials by the homeowners.
**Energy Features**

- **Foundation:** Uninsulated slab-on-grade
- **Wall Construction:** Structural Insulated Panels
- **Wall Insulation:** R-30
- **Rim Joist Insulation:** N/A
- **Roof Construction:** SIPs
- **Ceiling Insulation:** R-50
- **Windows:** Low-e, gas-filled, wood-framed; U-0.29; SHGC 0.19
- **HVAC:** 9 HSPF, 18 SEER air source heat pump; Energy recovery ventilation
- **Ducts:** Manual D design; All in conditioned space; Minimized duct design with registers at interior walls
- **Water Heating:** 0.99 EF tankless electric water heater with PEX distribution
- **Lighting:** 100% LED and CFL lighting with advanced lighting controls
- **Appliances:** ENERGY STAR refrigerator and dishwasher
- **On-Site Energy Generation:** 4-kW wind turbine
- **Duct Leakage Test:** 12 cfm total at 25 Pa
- **Blower Door Test:** 581 cfm at 50 Pa; 2.12 ACH50
- **HERS Index:** 56 without/30 with wind turbine
- **Energy/Green Building Programs:** National Green Building Certification Program, Builder’s Challenge, ENERGY STAR, LEED for Homes, Green Built Texas