ZEH Kempsford - Garison Way Statistics
2,081 square feet, 3 bedroom, 2 bath + study

Performance Features
- Home Energy Index (HERS)/EnergySmart Home Scale™ (E-Scale) = -3
- Thermal Shell
  - R-38 ceiling insulation (R-19 knee wall Insulation), vented attic with radiant barrier
  - 10” heel trusses for improved insulation coverage
  - ENERGY STAR® double pane Low-E vinyl framed windows (U=0.34, SHGC=0.26)
  - ENERGY STAR® Certified including Thermal Bypass Checklist Compliance
- Airtightness & Indoor Environment Quality
  - Penetrations & openings sealed to achieve 2.6 natural air changes under blower door testing at 50 Pa
  - Ducts (sealed with mastic)
  - VOC source control including zero VOC paint
  - Outside air ventilation
- HVAC
  - ACCA Manual D sized duct system
  - ACCA Manual J sized heating/cooling equipment
  - Programmable thermostat
  - 2.75 ton high efficiency, CFC/HCFC free refrigerant, heat pump (SEER 16, HSPF 9.5)
- Hot Water
  - Solar domestic hot water system (64sq. ft. collector) 120 gallon storage with drain back tank
- Efficient Appliances & Renewable Energy
  - 100% Compact Fluorescent Bulbs
  - 6.6kWp Centrosolar 220 PV System (inverter avg. eff. = 0.97)
  - ENERGY STAR® rated dishwasher & refrigerator
Builders Challenge - PIONEER BUILDER

In April 2010, G.W. Robinson Homes unveiled its first “zero-energy” home in the Garison Way community. Final inspection and testing of the home resulted in an impressive HERS of -3, exceeding the Builders Challenge level of performance. As a Builders Challenge “Pioneer Builder”, G.W. Robinson has been building homes for over 40 years.

“One of our core values has been to build homes that represent the latest technology for energy savings, safety, and durability.”

– G.W. ROBINSON, Founder of G.W. Robinson Homes

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To learn more about the Builders Challenge and find tools to help market your homes visit www.buildingamerica.gov/challenge.