HGTV's 2009 Green Home
Tradition, Florida

Fact Sheet

Construction: Insulated Concrete Form (ICF) walls, slab on grade floor, and wood truss roof framing compose the major structural systems. A structural concrete deck provides for a covered Lanai and an outdoor elevated porch and roof garden. Interior walls are constructed with steel studs and gypsum board containing significant recycled content.

Mechanical-Plumbing-Electrical System: A high efficiency SEER 15 forced-air heating and cooling system with an energy recovery unit provides climate control. Solar hot water with a gas tankless back-up heater reduce utility reliance. A 2 Kilowatt solar panel system (photo-voltaic) creates electricity and offsets utility dependence. An electrical performance monitoring system provides real time feedback at the home and away via the internet.

Exterior Materials: R-30 ICF structural walls covered with a painted 3 coat cementitious finish and a metal roof with high reflective finish form a high performance building envelope.

Interior Materials: All paints, sealants, and finishes have low or no VOC content.

Attic: Unvented attic with R-30 spray insulation installed at the roof deck for improved energy performance while accommodating HVAC duct work inside the building envelope.

Doors and Windows: Insulated low-e windows allow for greater energy efficiency in conjunction with insulated fiberglass entry doors.

Fixtures: Low flow faucets and dual-flush toilets provide reduced water use. Exterior cisterns collect rain-water for plant irrigation. Additionally, CFL lamps are used overall for reduced energy consumption.

Overview

HGTV's 2009 Green Home is a four bedroom, three bath home of modest size (2,430 sq ft under air) designed with optimal energy performance, sustainability and indoor environmental quality in mind, including careful use of natural ventilation and drought tolerant plants. The site is a corner lot overlooking a lake. The house is situated for optimal views, privacy and favorable solar orientation to minimize energy consumption. The home was constructed using cost effective, innovative and highly efficient building materials with standard construction techniques. Third party testing was used to verify insulation, duct tightness, refrigeration management, etc. and confirm the home's overall energy efficiency.

U.S. GREEN BUILDING COUNCIL LEED PLATINUM USGBC

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Residential

Photo Credits: Eric Perry / Scripps Network (clockwise: front exterior, kitchen, master bath)