



Habitat for Humanity South Sarasota County

The Saragossa Innovation Home | Venice, FL | HabitatSouthSarasota.org



Photos courtesy of Habitat for Humanity

It's only two degrees warmer in the attic than it is down here [in Florida]. That is amazing to me." Home owner



PROJECT DATA

- **Layout:** 3 bdrm, 2 bath, 1 fl, 1,290 ft²
- **Climate:** IECC 2A, hot-humid
- **Completed:** May 2016
- **Category:** affordable

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 51
- **Projected Annual Energy Costs:** without PV \$838
- **Projected Annual Energy Cost Savings:** (vs home built to 2009 IECC) without PV \$660
- **Annual Energy Savings:** without PV 5,496 kWh

CONTACT

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KEY FEATURES

- **Walls:** R-17.5 total wall R: concrete block filled with foam; on interior: 3/4" EPS, 3/4" furring strips, perforated foil insulation sheet, 1/2" gypsum board.
- **Roof:** 5/8" sheathing, fiberglass-reinforced asphalt self-adhering underlayment, ENERGY STAR light asphalt shingles.
- **Attic:** Unvented, insulated under roof deck with 5.5" R-20 polyurethane spray foam: borate-treated trusses.
- **Foundation:** Uninsulated slab on grade.
- **Windows:** Vinyl-framed, impact-rated double-paned, low-e, U=0.33, SHGC=0.19.
- **Air Sealing:** 2.8 ACH 50.
- **Ventilation:** Timer-controlled fresh air-intake tied to bath fan.
- **HVAC:** Ducted mini-split heat pump in conditioned attic, 15.5 SEER.
- **Hot Water:** 50-gal heat pump water heater, 3.25 energy factor.
- **Lighting:** 50% LED, 50% CFL, ENERGY STAR ceiling fans.
- **Appliances:** ENERGY STAR refrigerator, dishwasher.
- **Solar:** N/A
- **Water Conservation Features:** Florida Water Star guidelines low-flow fixtures.
- **Energy Management System:** N/A
- **Other:** No-VOC paint, drought-resistant plants.

