



Habitat for Humanity South Sarasota Co.

Horseshoe Innovation Home | Venice, FL | HabitatSouthSarasota.org



Photos courtesy of Habitat for Humanity South Sarasota Co.

"[They] love their new home!" Habitat for Humanity, So. Sarasota Co.



PROJECT DATA

- **Layout:** 3 bdrm, 2 bath, 1 fl, 1,464 ft²
- **Climate:** IECC 2A, hot-humid
- **Completed:** June 2019
- **Category:** Affordable

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 44
- **Annual Energy Costs:** without PV \$850
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$700
- **Annual Energy Savings:** without PV 5,800 kWh
- **Savings in the First 30 Years:** without PV \$28,800

CONTACT

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KEY FEATURES

- **Walls:** CMU, R-11 total: concrete masonry unit blocks, 3/4" EPS foam board on interior face of wall topped by 3/4" furring strips, perforated foil-craft insulating sheet and 1/2" gypsum board. Liquid-flashing at windows. Stucco siding.
- **Roof:** Truss hip roof: 5/8" sheathing, self-adhered membrane over whole deck, asphalt shingles. ENERGY STAR Cool Roof certified. Borate-treated trusses and roof framing.
- **Attic:** Sealed attic: 5.5" R-20 open-cell spray foam on underside of roof deck, on knee wall between garage and living space.
- **Foundation:** Slab on grade, no insulation.
- **Windows:** Double-pane, argon-filled, low-e, vinyl single-hung frames, U=0.32, SHGC=0.19.
- **Air Sealing:** 1.7 ACH 50.
- **Ventilation:** Controlled fresh air intake, timed bath exhaust. MERV 8 filter. Dehumidifier.
- **HVAC:** Ducted mini-split heat pump, 9.50 HSPF, 17.5 SEER, 1 indoor air handler, 1 outdoor condenser.
- **Hot Water:** Heat pump water heater, 2.35 EF, 50-gal. PEX plumbing, hot pipe insulated.
- **Lighting:** 100% LED.
- **Appliances:** ENERGY STAR refrigerator and dishwasher.
- **Solar:** No PV. Solar ready with panel space, conduit to roof.
- **Water Conservation:** EPA WaterSense fixtures. Drought resistant, native landscaping.
- **Energy Management System:** Energy, PV, temp, humid. monitors; Wi-Fi thermostats.
- **Other:** Zero-VOC paint. 160-mph wind-resistant hip roof.

