

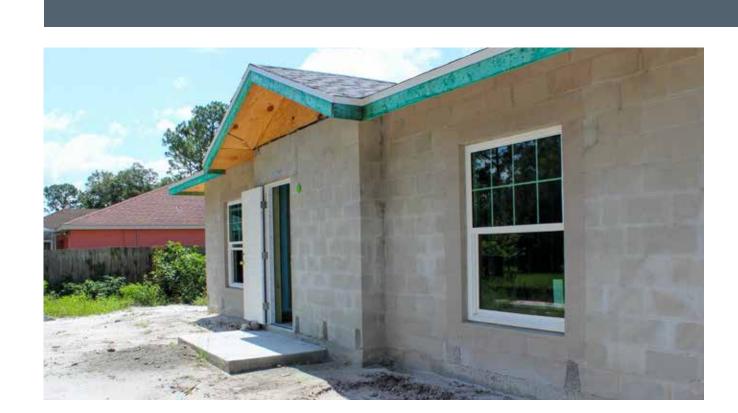
Habitat for Humanity South Sarasota Co.

The Venetian at Eldron | North Port, FL | HabitatSouthSarasota.org





"We simply love our energy-efficient home!" Homeowner









PROJECT DATA

• **Layout:** 3 bdrm, 2 bath, 1 fl, 1,464 ft²

Climate: IECC 2A, hot-humidCompleted: November 2020

Category: Affordable

MODELED PERFORMANCE DATA

• **HERS Index:** without PV 45

 Annual Energy Costs: without PV \$750

- Annual Energy Cost Savings: (vs typical new homes) without PV \$800
- Annual Energy Savings: without PV 6,500 kWh
- Savings in the First 30 Years: without PV \$31,400

CONTACT

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KEY FEATURES

- Walls: CMU walls insulated to interior with ³/₄" EPS board, ³/₄" furring strips, perforated foil insulation sheet, drywall.
- Roof: 2x8" borate-treated trusses, $\frac{5}{8}$ " sheathing, self-adhering underlayment, Cool Roof-certified asphalt shingles.
- Attic: Unvented, hot roof: 5.5" R-20 open-cell spray foam on underside of roof deck.
- Foundation: Slab on grade, uninsulated. All framing is borate treated for termites and mold.
- Windows: Double-pane, argon-filled, low-e, vinyl frame, single-hung, U=0.29, SHGC=0.19.
- Air Sealing: 2.24 ACH50.
- Ventilation: Controlled central fan with fresh air intake and timed exhaust, MERV 10 filters.
- HVAC: Central air-source heat pump, 9.0 HSPF, 17 SEER, AC variable speed compressor.
- Hot Water: Heat pump water heater, 50-gal, 2.35 EF.
- Lighting: 100% LED.
- Appliances: ENERGY STAR refrigerator, dishwasher.
- Solar: Solar ready.
- Water Conservation: EPA WaterSense-certified home, compact PEX plumbing, IFAS "Florida Friendly" landscaping.
- Energy Management System: Wi-Fi connected smart thermostat.
- Other: "Habitat Strong" disaster-resistant construction: can withstand 160-mph winds with truss-to-footer tie downs, extra nails on roof sheathing and shingles; impact-resistant windows and doors, fire-resistant stucco. Borate-treated lumber, and sealed soffits.





