Habitat for Humanity South Sarasota Co.
The Venetian at Eldron | North Port, FL | HabitatSouthSarasota.org

For more information on the DOE Zero Energy Ready Home program, go to http://energy.gov/eere/buildings/zero-energy-ready-home or scan the QR code.

“We simply love our energy-efficient home!” Homeowner

PROJECT DATA

• Layout: 3 bdrm, 2 bath, 1 fl, 1,464 ft²
• Climate: IECC 2A, hot-humid
• Completed: 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

KEY FEATURES

• Walls: CMU walls insulated to interior with ½" EPS board, ⅞" furring strips, perforated foil insulation sheet, drywall.
• Roof: 2x8” borate-treated trusses, ⅜” 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.

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