



Photos courtesy of Habitat for Humanity

“The thing that amazes me the most about this house is the fact that we have so much more space, but we pay a fraction of the cost in utilities.” *Home owners*



## PROJECT DATA

- **Layout:** 4 bdrm, 2 bath, 1 fl, 1,340 ft<sup>2</sup>
- **Climate:** IECC 4A, mixed-humid
- **Completed:** February 2016
- **Category:** affordable

### MODELED PERFORMANCE DATA

- **HERS Index:** without PV 44
- **Projected Annual Energy Costs:** without PV \$838
- **Projected Annual Energy Cost Savings:** (vs home built to 2009 IECC) without PV \$791
- **Annual Energy Savings:** without PV 8,785 kWh

## CONTACT

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## KEY FEATURES

- **Walls:** 2x4 16" o.c., OSB sheathing; advanced framing, R-15 blown fiberglass, R-10 EPS exterior rigid foam with taped seams, 2x4 furring strips, engineered wood lap siding.
- **Roof:** Coated OSB sheathing with taped seams, 30-year architectural shingles.
- **Attic:** Vented attic, R-50 blown fiberglass.
- **Foundation:** Unvented crawlspace of concrete block with R-10 EPS on inside of walls and 12-mil reinforced liner.
- **Windows:** Double-pane, low-e vinyl-framed windows, U=0.30, SHGC=0.22.
- **Air Sealing:** 3 ACH 50.
- **Ventilation:** Continuous ERV.
- **HVAC:** Ducted mini-split heat pump in closed crawlspace, 18 SEER, 10 HSPF, R-8 flex duct.
- **Hot Water:** Heat pump water heater 3.39 EF.
- **Lighting:** 100% LED lighting, ENERGY STAR ceiling fans.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, washer & dryer.
- **Solar:** None.
- **Water Conservation Features:** WaterSense plumbing fixtures.
- **Energy Management System:** None.
- **Other:** Low-VOC paint, passive radon ventilation system, indoor return air vents; universal design wider doorways and hallway.

