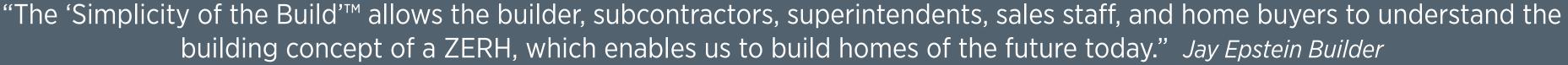


# Health-E Community Enterprises of Virginia

The Annabel Model | Richmond, VA | VRLHomes.com















### PROJECT DATA

- **Layout:** 3 bdrm, 2.5 bath, 2 fl, 2,213 ft<sup>2</sup>
- Climate: IECC 4A, mixed-humid
- Completed: November 2016
- Category: production

#### **MODELED PERFORMANCE DATA**

- **HERS Index:** without PV 47, with PV 13
- Projected Annual Energy Costs:
  without PV \$1,300, with PV \$400
- Projected Annual Energy Cost Savings:
   (vs typical new homes) without PV
   \$1,150, with PV \$2,000
- Annual Energy Savings: without PV 10,700 kWh, with PV 18,100 kWh

# CONTACT

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## **KEY FEATURES**

- **Walls:** 2x6 24" o.c. advanced framed walls; air sealing, R-21 cellulose insulation, opencell foam in rim bands, 3.5" foam gaskets and expandable caulk sealant at bottom plate, house wrap, vinyl siding.
- Roof: 25-yr shingles; ice-and-water shield at eaves and valleys; continuous ridge vent.
- Attic: Vented with R-50 blown cellulose, 14" raised heel trusses. All top plates sealed with caulk. Attic stair has air-sealing R-50 insulated cover.
- Foundation: Sealed, conditioned crawlspace; R-11 fiberglass blanket sidewalls; rim band insulated with open-cell spray foam.
- Windows: Double-pane, vinyl-framed, low-e, argon-filled, U=0.30, SHGC=0.20.
- Air Sealing: 2.08 ACH 50.
- Ventilation: ERV, MERV 8 filters.
- **HVAC:** Heat pump, 8.5 HSPF, 15 SEER; all ductwork between floors; transfer grilles for pressure balancing from bedrooms.
- Hot Water: 50-gal heat pump water heater, 3.25 EF.
- Lighting: 100% LED.
- Appliances: ENERGY STAR dishwasher, two ENERGY STAR ceiling fans.
- Solar: 5.4-kW PV with inverter.
- Water Conservation Features: Compact plumbing design.
- Energy Management System: Internet tracking of PV production.
- Other: Optional inverters for battery storage. Low-VOC finishes. Optional electric car charger.





