Health-E Community Enterprises of Virginia
The Annabel Model | Richmond, VA | VRLHomes.com

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• Layout: 3 bdrm, 2.5 bath, 2 fl, 2,213 ft²
• 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

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“Simplicity of the Build!” allows the builder, subcontractors, superintendents, sales staff, and home buyers to understand the building concept of a ZERH, which enables us to build homes of the future today.” Jay Epstein Builder

Key Features
- Walls: 2x6 24” o.c. advanced framed walls; air sealing, R-21 cellulose insulation, open-cell 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.
- Other: Optional inverters for battery storage. Low-VOC finishes. Optional electric car charger.

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.