



Photos Courtesy of Module

“Everyday I walk in I’m so happy to be here. I love it. I think my favorite thing about the home is the fresh air vents in the house, it brings in fresh air from outside. I love the air, it never gets stuffy.” *Homeowner*



PROJECT DATA

- **Layout:** 2 bdrm, 1.5 bath, 2 fls, 1,100 ft²
- **Climate:** IECC 5A, cold
- **Completed:** September 2020
- **Category:** Custom Spec

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 51
- **Annual Energy Costs:** without PV \$1,500
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$950
- **Annual Energy Savings:** without PV 6,800 kWh
- **Savings in the First 30 Years:** without PV \$38,400

KEY FEATURES

- **Walls:** 2x6, 16" o.c. + 1" XPS, modular (each floor built in factory), R-28 total: R-23 rockwool cavity, 7/16" coated OSB, 1" R-5 XPS, drain wrap, fiber cement lap siding.
- **Roof:** Truss gabled roof, 2x8 24" o.c., 5/8" OSB decking, self-adhered underlayment, standing seam metal roof.
- **Attic:** Vented attic: 17" R-53 fiberglass batt in ceiling cavity, 10" raised energy trusses.
- **Foundation:** Insulated basement: pre-cast concrete walls with integrated rigid foam and insulated concrete studs.
- **Windows:** Double-pane, argon-filled, low-e2, UPVC frame, U=0.21, SHGC=0.5.
- **Air Sealing:** 2.0 ACH50, tape, flashing, and sealants at all joints and openings.
- **Ventilation:** ERV, MERV 8 filters, 40 to 110 CFM.
- **HVAC:** Heat pump, 7.2 HSPF, 14 SEER, AC variable speed compressor, small-diameter high-velocity duct system with backup electric heat, ducts in conditioned space.
- **Hot Water:** Heat pump water heater, 50-gal, 3.45 UEF.
- **Lighting:** 100% LED, lighting controls integrated with energy management.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, clothes washer, ventless clothes dryer.
- **Solar:** Solar ready, 1" metal conduit from array location to electric service panel location.
- **Water Conservation:** Low-flow fixtures, central manifold with PEX piping.
- **Energy Management System:** Lighting controls, connected appliances, smart thermostat.
- **Other:** All electric home, Green Seal 11-certified natural maple flooring, Green Label Plus-certified carpeting in bedrooms, Green Guard Gold-certified paints, natural cedar siding.

CONTACT

Ankur Dobriyal
412-573-9243
Ankur@modulehousing.com

