



"It is incredible how clean (dust-free) the home is staying with the filtration system." Homeowners



## PROJECT DATA

- **Layout:** 5 bdrm, 4 bath, 2 fl + bsmt, 5,845 ft<sup>2</sup>
- **Climate:** IECC 4A, mixed-humid
- **Completed:** March 2022
- **Category:** Production

### MODELED PERFORMANCE DATA

- **HERS Index:** without PV 46
- **Annual Energy Costs:** without PV \$3,106
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$4,539
- **Annual Energy Savings:** without PV 10,228 kWh
- **Savings in the First 30 Years:** without PV \$221,269

## CONTACT

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## KEY FEATURES

- **Walls:** Panelized, 2x6 at 24" o.c., R-23 total: advanced-framed, R-23 netted blown fiberglass, 7/16" coated OSB taped, vinyl siding. No plumbing or HVAC in exterior walls.
- **Roof:** Truss gabled roof: 7/16" OSB sheathing, 15# felt, self-adhered membrane in valleys; composite shingles, doubled at rakes; ridge and soffit vents; 15" overhangs.
- **Attic:** Vented attic: R-49 total: 16.25" blown fiberglass, R-38 fiberglass batts in vaulted ceilings. Attic hatches gasketed and insulated with XPS.
- **Foundation:** Unvented conditioned crawl space: 4" gravel, 10-mil vapor barrier, 2" R-10 XPS on interior, R-19 open-cell spray foam in band joist. Interior footing drain to sump.
- **Windows:** Double-pane, argon-filled, vinyl frame, double-hung, U=0.28, SHGC=0.19.
- **Air Sealing:** 1.9 ACH50. Canned foam seal all top plates and holes in walls, attic, subfloor.
- **Ventilation:** Exhaust-only ventilation, MERV 13 filters.
- **HVAC:** Gas furnace, 97.5 AFUE. Central air-source heat pump, 10 HSPF, 20 SEER.
- **Hot Water:** Propane tankless hot water heater, 0.97 EF.
- **Lighting:** 100% LED.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, and water heater.
- **Solar:** No PV.
- **Water Conservation:** EPA WaterSense fixtures, Central manifold with PEX piping.
- **Energy Management System:** Wi-Fi-enabled thermostat.
- **Other:** National Green Building Standard Gold level home. Panelized wall construction.

