



Photos courtesy of Addison Homes.

“Every single room in the house is comfortable.” Homeowners



## PROJECT DATA

- **Layout:** 4 bdrm, 3.5 bath, 2 fl + bsmt, 3,682 ft<sup>2</sup>
- **Climate:** IECC 3A, mixed-humid
- **Completed:** March 2024
- **Category:** Custom

## MODELED PERFORMANCE DATA

- **ERI:** without PV 36
- **Annual Energy Costs:** without PV \$1,600
- **Annual Energy Cost Savings:** (versus typical new homes) without PV \$2,300
- **Annual Energy Savings:** without PV 19,970 kWh
- **Savings in the First 30 Years:** without PV \$95,800

## KEY FEATURES

- **Walls:** 2x6 24" o.c. + 1" polyiso, R-25 total: advanced framed, R-19 unfaced fiberglass batt in cavity, 7/16" coated OSB with taped seams; 1" rigid polyiso; composite polymer siding.
- **Roof:** Gable truss roof, 7/16" OSB roof sheathing, synthetic roof underlayment, asphalt architectural shingles.
- **Attic:** Unvented attic, 8" R-31 open-cell spray foam on underside of roof deck. 10" raised-heel trusses.
- **Foundation:** Insulated basement. Precast concrete wall system with adhered 2.5" rigid polyiso on interior with metal facing over insulation-wrapped concrete studs; 1/2" drywall.
- **Windows:** Double-pane windows, U=0.26, SHGC=0.19.
- **Air Sealing:** 0.70 ACH50; taped, insulated, coated sheathing; airtight precast foundation.
- **Ventilation:** Ventilating dehumidifier and bath exhaust fans with humidity and timer controls. MERV 13 filters.
- **HVAC:** Central air-source heat pump, 9.2 HSPF, 18.7 SEER; transfer grilles and small-diameter compact duct system.
- **Hot Water:** Heat pump water heater, 80-gal, 3.45 COP. Adaptive recirculation loop.
- **Lighting and Appliances:** LED lighting, ENERGY STAR appliances.
- **Solar:** None.
- **Energy Management System:** Electricity consumption and IAQ of whole house and specific circuits monitored and tracked.
- **Other:** Wired for an electrical vehicle charger.

## CONTACT

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