



Photos courtesy of Insight Homes

“Insight’s entire business model evolves around home performance, efficiency, and a healthy indoor environment.” *Builder*



## PROJECT DATA

- **Layout:** 4 bdrm, 3 bath, 2 fls, 1,940 ft<sup>2</sup>
- **Climate:** IECC 4A, mixed-humid
- **Completed:** May 2020
- **Category:** Production

### MODELED PERFORMANCE DATA

- **HERS Index:** without PV 51
- **Annual Energy Costs:** without PV \$1,950
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$2,100
- **Annual Energy Savings:** without PV 7,800 kWh, 400 Gallons
- **Savings in the First 30 Years:** without PV \$102,600

## CONTACT

Kevin Brozyna  
412-889-7081  
kevin@insightde.com

## KEY FEATURES

- **Walls:** Panelized, 2x6 at 24" o.c., R-23 total: advanced-framed, R-23 blown fiberglass, 7/16" coated OSB taped, vinyl siding.
- **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, 18" raised heel trusses, spray foam over all top plates, attic hatches gasketed and insulated with XPS.
- **Foundation:** Unvented conditioned crawl space: 4" clean 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, ceiling penetrations spray sealed.
- **Ventilation:** Exhaust-only, MERV 13 filters, 100 CFM, 12.5 Watts.
- **HVAC:** Gas furnace, 97.5 AFUE, AC variable-speed compressor, secondary central air-source heat pump, 9.3 HSPF, 18.8 SEER; manual damper at each branch.
- **Hot Water:** Tankless propane water heater, 0.97 EF.
- **Lighting:** 100% LED.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, tankless propane water heater.
- **Solar:** N/A
- **Water Conservation:** Low-flow fixtures, central manifold with PEX piping.
- **Energy Management System:** Wi-Fi connected thermostats.
- **Other:** Low-VOC paints, adhesives, carpeting; National Green Building Standard Gold.

