Insight Homes
The Brenner | Felton, DE | ItsJustaBetterHouse.com

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

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PROJECT DATA

• Layout: 4 bdrm, 3 bath, 2 fls, 1,940 ft²
• Climate: IECC 4A, mixed-humid
• Completed: May 2020
• Category: Production

KEY FEATURES

• Walls: Panelized, 2×6 at 24” o.c., R-23 total: advanced-framed, R-23 blown fiberglass, 1/4” 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.

CONTACT

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.