S. D. Jessup Construction
Old Winston Rd | Pilot Mountain, NC | SDJessup.com

CONTACT
Shawn D. Jessup
336-368-1155
shawn@sdjessup.com

“The comfort level remaining constant surprised me.” Homeowner

PROJECT DATA
• Layout: 3 bdrm, 3.5 bath, 1 fl+ bsmt, 3,620 ft²
• Climate: IECC 4A, mixed-humid
• Completed: July 2019
• Category: Custom for Buyer >3,000 ft²

MODELED PERFORMANCE DATA
• HERS Index: without PV 42
• Annual Energy Costs: without PV $1,750
• Annual Energy Cost Savings: (vs typical new homes) without PV $1,500
• Annual Energy Savings: without PV 13,400 kWh
• Savings in the First 30 Years: without PV $63,400

KEY FEATURES
• Walls: 2x6, 16” o.c., R-25.5 total: 5.5” R-19 fiberglass batt wall cavity insulation, 1” R-6.6 rigid Polyiso, 3/4” coated OSB, vinyl vertical siding.
• Roof: Truss gable and hip roof, 18” raised heels.
• Attic: Vented attic: 19” R-50 blown fiberglass. Exterior wall sheathing.
• Windows: Triple-pane, argon-filled, low-e2, fiberglass frame, U=0.16, 0.19, SHGC=0.27, 0.24.
• Air Sealing: 1.1 ACH 50.
• Ventilation: ERV, MERV 13 filters on HVAC returns and dehumidifier.
• HVAC: Heat pump, 9.5 HSPF, 18.5 SEER. Direct-vent, sealed-combustion, propane fireplace. Rigid metal ducting, aerosol sealed, encased in spray foam in attic.
• Hot Water: Heat pump water heater, 3.55 EF.
• Lighting: 100% LED with motion sensors.
• Appliances: ENERGY STAR dishwasher, refrigerator, clothes washer, clothes dryer.
• Solar: Home is solar ready.
• Energy Management System: Air quality monitor, programable thermostats.
• Other: Low-VOC products used in construction.

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.

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