



# S. D. Jessup Construction

Old Winston Rd | Pilot Mountain, NC | SDJessup.com



Photos courtesy of S. D. Jessup Construction

“The comfort level remaining constant surprised me.” Homeowner



## PROJECT DATA

- **Layout:** 3 bdrm, 3.5 bath, 1 fl+ bsmt, 3,620 ft<sup>2</sup>
- **Climate:** IECC 4A, mixed-humid
- **Completed:** July 2019
- **Category:** Custom for Buyer >3,000 ft<sup>2</sup>

### 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

## CONTACT

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## 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, 7/16" 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.
- **Foundation:** Insulated basement, R-31.5 total: precast concrete walls and studs with 2.5" R-12.5 XPS foam plus R-19 fiberglass batt cavity insulation. Asphalt-based water proofing on exterior. R-19 open-cell spray foam in rim joists.
- **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.
- **Water Conservation:** EPA WaterSense fixtures. Drought-resistant landscaping.
- **Energy Management System:** Air quality monitor, programable thermostats.
- **Other:** Low-VOC products used in construction.

