Addison Homes
Jocassee Plan | Greer, SC | Addison-Homes.com

“We love this home. The energy bills are miniscule and the comfort is tremendous!” Home owner

PROJECT DATA
• Layout: 3 bdrm, 2.5 bath, 1 fl + bsmt, 3,444 ft²
• Climate: IECC 3A, mixed-humid
• Completed: July 2016
• Category: custom spec

MODELED PERFORMANCE DATA
• HERS Index: without PV 41, with PV 13
• Projected Annual Energy Costs: without PV $1,500, with PV $600
• Projected Annual Energy Cost Savings: (vs typical new homes) without PV $1,300, with PV $2,200
• Annual Energy Savings: without PV 13,300 kWh, 80 therms; with PV 22,400 kWh, 80 therms

KEY FEATURES
• Walls: 2x6 24” o.c. advanced framed, insulated headers, 2-stud corners; R-13 unfaced fiberglass batt, 3/8” OSB, 1” R-5 taped XPS; R-18 total. Vinyl siding; fiber cement trim.
• Roof: Ice-and-water shield in valleys and low roofs; kick-out flashing, synthetic felt, drip edge flashing, vent gaskets, butyl tape flashing, asphalt and PV shingles.
• Attic: R-38 blown fiberglass. All penetrations and top plates sealed. Skylight shafts have R-10 XPS foam and R-19 unfaced fiberglass batts.
• Foundation: Daylight basement of precast concrete walls with R-16 XPS foam, R-5 XPS under slab perimeter. Daylight wall has R-5 XPS. 19.2” o.c. open-web floor joists.
• Windows: Double-pane, low-e2; U=0.32, SHGC=0.23. Solar tubes U=0.36, SHGC=0.23.
• Air Sealing: 1.49 ACH 50.
• Hot Water: ENERGY STAR tankless gas water heater, 0.98 EF.
• Lighting: 98% LED, 2% CFL, skylights, solar tubes.
• Appliances: ENERGY STAR clothes washer, refrigerator, dishwasher, ceiling fans, exhaust fans.
• Solar: 6-kW solar shingles, grid tied.
• Energy Management System: Smart HVAC, solar PV monitoring system.
• Other: No-/low-VOC paints, adhesives; GREENGUARD-certified hardwood flooring, carpet, pad; non-toxic pest control; KCMA ESP-labeled cabinets; no added formaldehyde insulation. Laminated beams, I-joint floors, finger-jointed trim and cabinets. Universal design.

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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.