C & B Custom Homes
The Meritage | Clarkdale, AZ | CandBHomes.com

"Many of [our clients] have never paid more than the minimum electric bill." C and B Homes

PROJECT DATA

• Layout: 2 bdrm, 2 bath, 1 fl, 1,628 ft²
• Climate: IECC 4B, mixed-dry
• Completed: September 2019
• Category: custom spec

MODELED PERFORMANCE DATA

• HERS Index: without PV 51; with PV 16
• Annual Energy Costs: without PV $1,300; with PV $450
• Annual Energy Cost Savings: (vs typical new homes) without PV $1,280; with PV $1,490
• Annual Energy Savings: without PV 1,200 kWh, 200 Therms; with PV 10,900 kWh, 200 Therms
• Savings in the First 30 Years: $72,050

CONTACT

Chris Spannagel
928-202-1864
chrs.candb@gmail.com

KEY FEATURES

• Walls: 2x6 16” o.c., R-26 total: R-23 spray foam, house wrap, 1” R-5 foam sheathing, type “F” acrylic stucco.
• Roof: Gable roof; ½” sheathing, peel and stick underlayment, cement tile roofing, ENERGY STAR Cool Roof certified.
• Attic: Unvented, conditioned attic; 7” R-25 open-cell spray foam on underside of roof.
• Foundation: Slab-on-grade; 2” rigid foam under-slab to 48” around perimeter, 1” R-5 rigid foam slab edge insulation, 8” grouted solid CMU foundation walls.
• Windows: Double-pane, argon-filled, low-e, vinyl single-hung frames, U=0.24, SHGC=0.27.
• Air Sealing: 575 CFM50; 2.12 ACH 50.
• Ventilation: ERV, MERV 9 filter.
• HVAC: 96% AFUE gas furnace; 16 SEER AC; flex ducts located in conditioned attic.
• Hot Water: Tankless gas, 0.97 EF; central manifold plumbing with PEX piping, push button recirculation pump.
• Lighting: 100% LED.
• Appliances: All ENERGY STAR appliances.
• Solar: 3.48-kW PV system.
• Water Conservation: EPA WaterSense fixtures; drip irrigation.
• Energy Management System: Wi-Fi and Bluetooth compatible thermostat.
• Other: Zero-VOC paint and cabinets, FloorScore indoor air quality certified adhesives, UL Green Guard Gold flooring, Indoor Advantage Gold certified, Health Product Declaration Certification.

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.