Deltec Homes and Old School Rebuilder & Co.

Custom Ridgeline F | Wilmington, NC | DeltecHomes.com

"We continue to enjoy our Deltec home every day. It's amazing!" Homeowner

PROJECT DATA

• Layout: 2 bdrm, 2 bath, 1 fl, 1,288 ft²
• Climate: IECC 3A, hot-humid
• Completed: March 2021
• Category: Custom for Buyer <3,000 ft²

MODELED PERFORMANCE DATA

• HERS Index: without PV 50; with PV -21
• Annual Energy Costs: without PV $850; with PV $150
• Annual Energy Cost Savings: (vs typical new homes) without PV $1,000; with PV $1,650
• Annual Energy Savings: without PV 5,700 kWh; with PV 15,400 kWh
• Savings in the First 30 Years: without PV $39,600; with PV $66,200

CONTACT

Leigha Dickens
828-253-0483
ldickens@deltechomes.com

KEY FEATURES

• Walls: 2x6, 24” o.c., panelized, R-24 total: advanced framed, 5.5” cellulose in cavity, ¾” plywood sheathing, 1” R-5 graphite EPS, drain wrap, fiber cement lap siding and trim.
• Roof: Truss monoslope: vaulted parallel chord 16” open-web trusses at 24” o.c., ¾” plywood sheathing, synthetic roof underlayment, Cool Roof-certified asphalt shingles.
• Attic: Unvented, vaulted ceilings: 6” R-21 open-cell spray foam on underside of roof deck.
• Foundation: Slab on grade: R-10 rigid foam at slab edge + under perimeter to 3 ft total.
• Windows: Double-pane, argon-filled, low-e3, fiberglass-wood frames; U=0.27, SHGC=0.20.
• Air Sealing: 2.46 ACH50, open-cell spray foam at roof deck and rim joist; all plates, joints, and holes caulked; sill seal; gasket installed between plywood and framing at factory.
• Ventilation: Dehumidifier with fresh air intake tied to air handler; MERV 13 filter; bath fans.
• HVAC: Central air-source heat pump, 11 HSPF, 18.5 SEER, AC variable speed compressor.
• Hot Water: Heat pump water heater, 50-gal, 3.55 UEF.
• Lighting: 100% LED, 2 solar tubes, 6 clerestory windows.
• Appliances: ENERGY STAR refrigerator, dishwasher, clothes washer, heat pump dryer, bath fans.
• Solar: 7.2 kW, rooftop panels, passive solar design.
• Energy Management System: PV production and energy use tracking. Wi-Fi connected frig, water heater, oven. Smart thermostat. Water leak detection.
• Other: EV charging. Accessible doorways, handles, showers, sinks. Borate-treated lumber.