Targa Homes
Crown Hill Detached Accessory Dwelling Unit | Seattle, WA | TargaHomes.com

"Elements like triple pane windows and balanced ventilation systems—these are simply included as standard." Builder

CONTACT
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PROJECT DATA
• Layout: 1 bdrm, 1 bath, 2 fls, 500 ft²
• Climate: IECC 4C, marine
• Completed: November 2020
• Category: Attached Housing

MODELED PERFORMANCE DATA
• HERS Index: without PV 55; with PV -20
• Annual Energy Costs: without PV $550; with PV -$100
• Annual Energy Cost Savings: (vs typical new homes) without PV $400; with PV $1,150
• Annual Energy Savings: without PV 3,300 kWh; with PV 9,700 kWh
• Savings in the First 30 Years: without PV $16,000; with PV $47,400

KEY FEATURES
• Walls: 2x6, 16” o.c., R-23: 5.5” R-23 blown fiberglass, ½” plywood sheathing, heavy membrane with taped seams, ½” furring strips, fiber cement lap siding.
• Roof: Truss gable roof: scissor truss, ½” plywood sheathing with taped seams, 4” R-20 graphite EPS rigid foam in two layers with staggered seams, ½” plywood, asphalt shingles.
• Attic: Unvented (hot roof): 5.5” R-23 blown-in fiberglass in truss top chord.
• Foundation: Uninsulated above-grade garage on pre-existing slab foundation. Floor above garage is 11-½” truss I joist with R-48 blown-in fiberglass.
• Windows: Triple-pane, argon-filled, low-e, vinyl frame, U=0.16-0.20, SHGC=0.22-0.27.
• Air Sealing: 0.94 ACH50, house wrap seams taped, roof deck seams taped, unvented attic, subfloor seams caulked; whole-house aerosol sealant before insulating.
• Ventilation: ERV, bath fan boost, MERV 15 filter, 116 SRE, 119 ASRE.
• HVAC: Heat pump, AC variable speed compressor, 14.1 SEER, compact duct design.
• Hot Water: Heat pump water heater, 50-gal, 3.75 UEF.
• Lighting: 100% LED, dimmers, clerestory window.
• Appliances: ENERGY STAR clothes washer, dishwasher, refrigerator.
• Solar: 5.85 kW, 18 325-W rooftop panels.
• Water Conservation: Low-flow fixtures; compact PEX plumbing, stormwater management.
• Energy Management System: Web-based PV monitoring; ERV has temp/humidity sensors.
• Other: Electric vehicle charging station, CARB 2 cabinetry, low-VOC paints, formaldehyde-free insulation, pre-finished GreenGuard Gold certified cork flooring, FSC-certified lumber.

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.