CONTACT

Albert Jensen-Moulton
917-903-8281
albert@bpcgb.com

“PROJECT DATA

• Layout: 3 bdrm, 2 bath, 1 fl, 2,105 ft²
• Climate: IECC 5A, cold
• Completed: June 2020
• Category: Custom for Buyer <3,000 ft²

MOLED PERFORMANCE DATA

• HERS Index: without PV 34
• Annual Energy Costs: without PV $1,900
• Annual Energy Cost Savings: (vs typical new homes) without PV $3,100
• Annual Energy Savings: without PV 13,000 kWh
• Savings in the First 30 Years: without PV $125,400

KEY FEATURES

• Walls: 2x6, 16” o.c.+ Larsen truss, R-62 total: 2x6 studs with 5.5” dense-packed cellulose, ½” plywood sheathing with joints taped, 12” l-joists at 16” o.c., dense-packed with cellulose, held in place by heavy breathable membrane, ¾” furring strips, 1x4 horizontal cedar siding.
• Roof: Flat roof. Interior air and vapor control membrane, 28” open-web trusses dense-packed with R-98 cellulose, ½” plywood taped, ½” fiberglass gypsum, EPDM roofing.
• Attic: No attic, vaulted ceilings (hot roof).
• Foundation: Half unvented crawl space, half piers. 16” floor trusses dense-packed with R-57 cellulose, taped vapor membrane, 3” mineral wool, 1x4 battens, ¾” cement board.
• Windows: Triple-pane, low-e, argon-filled, aluminum-clad wood-framed, fixed awnings, U=0.14-0.18, SHGC=0.36.
• Air Sealing: 0.75 ACH50, all seams and penetrations taped.
• Ventilation: ERV, MERV 8 filter, 86 SRE, bathroom timers.
• HVAC: Ductless mini-split heat pump, 10.4 HSPF, 17.6 SEER, 12.7 EER AC.
• Hot Water: Heat pump water heater, 43-gal, 3.03 EF, split system with heat pump in unconditioned crawl space and the water tank above in the conditioned mechanical room.
• Lighting: 100% LED, timers, 2 solar tubes.
• Appliances: ENERGY STAR refrigerator, dishwasher, clothes washer.
• Solar: N/A; solar ready with conduit from roof to electric panel. Passive solar design.
• Water Conservation: Low-flow fixtures, PEX piping, compact plumbing design.
• Energy Management System: N/A
• Other: Low-emission paints, cabinets. IAQ monitor; accessible sinks.

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.