



United Way of Long Island

Housing for Heroes | Medford, NY | UnitedWayLI.org



"These homes provide aging in place features and a healthy environment so they contribute to occupant health" *Builder*



PROJECT DATA

- **Layout:** 4 bdrm, 2 bath, 1 fl, 1,936 ft²
- **Climate:** IECC 4A, cold
- **Completed:** March 2021
- **Category:** Affordable

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 33
- **Annual Energy Costs:** without PV \$1,800
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$2,900
- **Annual Energy Savings:** without PV 13,400 kWh
- **Savings in the First 30 Years:** without PV \$119,300

KEY FEATURES

- **Walls:** 2x6 24" o.c., R-28 total: advanced framed, 2" closed-cell spray foam to sheathing then 3.5 blown fiberglass; on exterior 1" R-5 graphite EPS rigid, 7/16" OSB, house wrap, PVC siding.
- **Roof:** Truss gable roof: 5/8" plywood, synthetic underlayment, asphalt shingles.
- **Attic:** Vented attic: 14" R-49 cellulose, 14" raised heel trusses, ridge and soffit venting.
- **Foundation:** Insulated basement: 10" poured concrete foundation wall, exterior elastomeric waterproofing and 2" graphite EPS foam. Capillary break under footings.
- **Windows:** Triple-pane (thin film), argon filled, low-e2, vinyl frame, U=0.17, SHGC=0.20.
- **Air Sealing:** 1.44 ACH 50. 2" closed cell foam at rim joist, top plates, and attic knee walls; drywall gasket at top and bottom plates.
- **Ventilation:** ERV, MERV 13 filters, 71 ATRE, 58 CFM, 20 Watt.
- **HVAC:** Ground-source heat pump 2.1-ton central air handler, 5.47 COP, 26. EER, 22 SEER.
- **Hot Water:** Heat pump water heater, 50-gal, 3.75 UEF.
- **Lighting:** 100% LED, motion sensors, daylight sensors.
- **Appliances:** ENERGY STAR dishwasher, clothes washer, refrigerator.
- **Solar:** Solar ready: conduit in place, space in electric panel.
- **Water Conservation:** EPA WaterSense showerhead, toilets, central manifold w/PEX piping, smart or predictive irrigation, stormwater management.
- **Energy Management System:** Smart internet connected thermostat for HVAC.
- **Other:** Accessible thresholds, thermostats, outlets, doors, showers, lever handles. Low-emission paints, cabinetry, countertops, millwork, and flooring.

CONTACT

Rick Wertheim
631-940-3722
rwertheim@unitedwayli.org



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.

