



Leading Force Contracting Services

Vista del Sol | Yakima, WA | SelahVistaHomes.com



Photos courtesy of Leading Force Contracting Services

“In the end, our electric bill is \$8.96 a month—just the electric utility service fee.” Homeowner



PROJECT DATA

- **Layout:** 2 bdrm, 1.75 bath, 1 fl, 2,000 ft²
- **Climate:** IECC 5B, cold
- **Completed:** August 2019
- **Category:** Custom for Buyer <3,000 ft²

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 37; with PV -97
- **Annual Energy Costs:** without PV \$1,050; with PV -\$2,300
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$1,100; with PV \$3,900
- **Annual Energy Savings:** without PV 12,000 kWh; with PV 43,600 kWh
- **Savings in the First 30 Years:** without PV \$45,400; with PV \$164,300

CONTACT

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KEY FEATURES

- **Walls:** Double Wall, R-38 total: two 2x4 24" o.c. offset stud walls spaced 4," R-38 fiberglass batt with T-foil, ½" CDX sheathing, house wrap. Natural hydraulic lime and metal siding.
- **Roof:** Truss gable roof: 5/8" CDX plywood, breathable synthetic underlayment taped at seams and penetrations. 50-yr architectural asphalt shingles.
- **Attic:** Conditioned attic: 2" R-14 closed-cell spray foam on underside of roof deck, 12" R-38 fiberglass batt in roof truss bays.
- **Foundation:** Slab on grade foundation: ICF foundation wall. Under slab 5" R-20 reclaimed EPS foam taped at seams and to ICF walls.
- **Windows:** Triple-pane, krypton-filled, fiberglass, U=0.17, SHGC=0.26. Interior auto blinds.
- **Air Sealing:** 0.67 ACH 50.
- **Ventilation:** ERV, MERV 21 filter on ERV.
- **HVAC:** 2 ducted mini-split heat pumps, 1 ductless minisplit, 10.6 HSPF, 19 SEER. Small-diameter high-velocity ducting system.
- **Hot Water:** Heat pump water heater, 86% efficient, 50-gal. Central manifold, PEX piping.
- **Lighting:** 100% LED, lighting controls. Daylighting.
- **Appliances:** ENERGY STAR refrigerator, induction range, clothes washer/dryer.
- **Solar:** 24-kW rooftop panels.
- **Water Conservation:** EPA WaterSense-certified house, drought-resistant landscaping.
- **Energy Management System:** Whole-house indoor air quality monitor.
- **Other:** Electric vehicle charging station. VOC-absorbing drywall, polished concrete or cork floors, no-VOC interior doors, adhesives, sealants, paints, or stains.

