



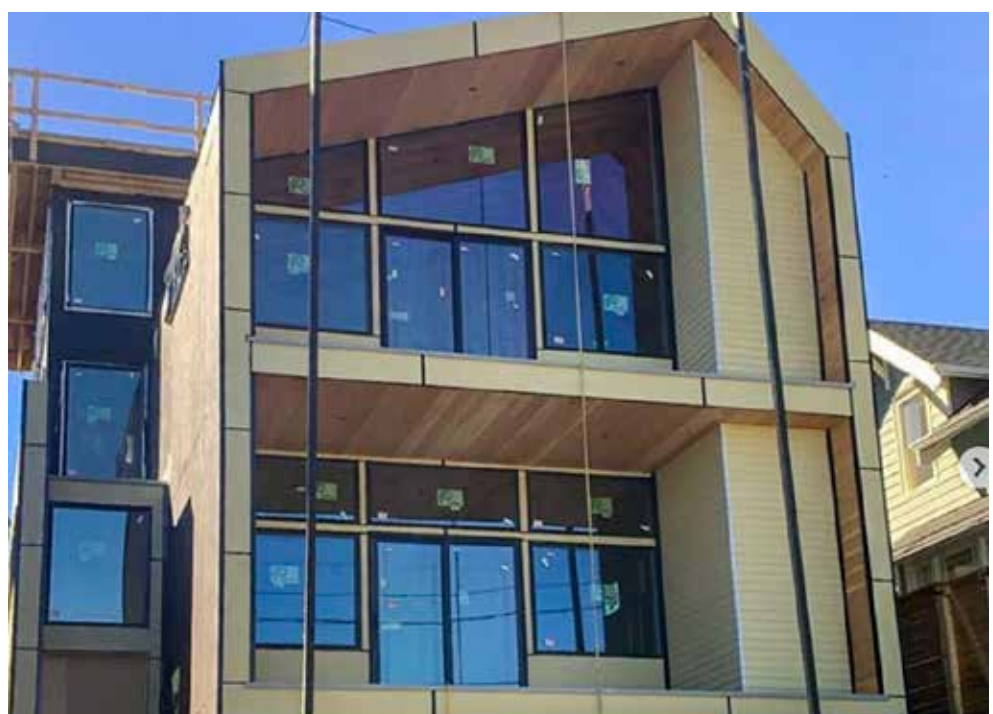
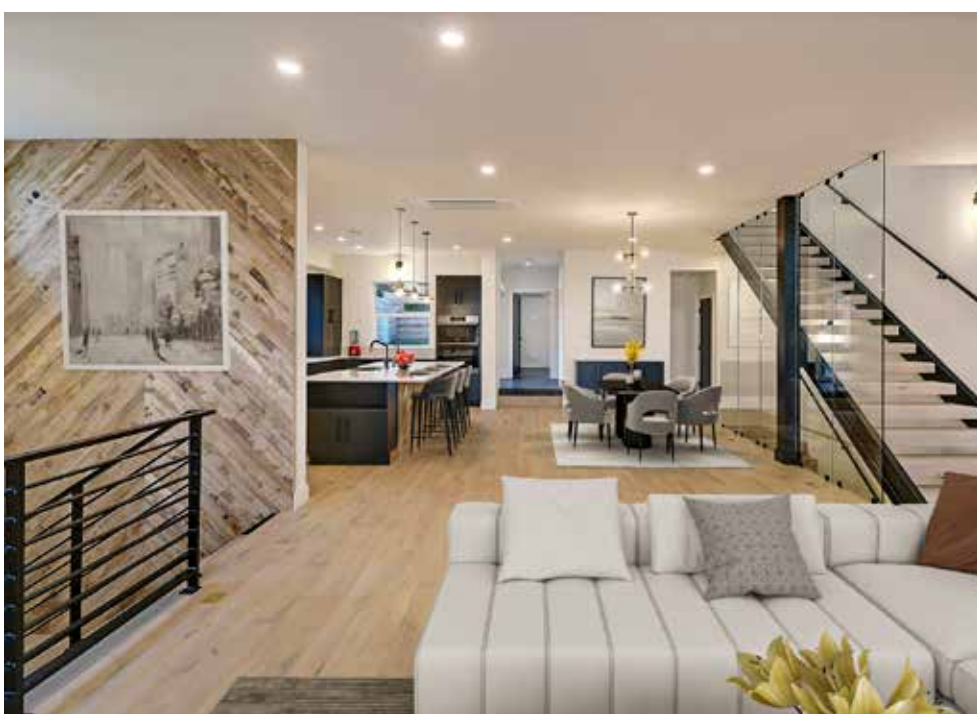
# Dwell Development

Wallingford Single-Family Positive Energy Home | Seattle, WA | DwellDevelopment.com



Photos courtesy of Dwell Development

“It’s a very consistent temperature all the time. Everything is just, sort of, comfortable.” Homeowner



## PROJECT DATA

## KEY FEATURES

- **Layout:** 6 bdrm, 4 bath, 4 fls, 3,989 ft<sup>2</sup>
- **Climate:** IECC 4C, marine
- **Completed:** January 2021
- **Category:** Custom Spec

### MODELED PERFORMANCE DATA

- **HERS Index:** without PV 49; with PV -2
- **Annual Energy Costs:** without PV \$1,850; with PV \$0
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$1,900; with PV \$3,500
- **Annual Energy Savings:** without PV 14,200 kWh; with PV 29,400 kWh
- **Savings in the First 30 Years:** without PV \$76,400; with PV \$142,900

## CONTACT

Anthony Maschmedt  
206-683-7595  
anthony@dwelldevelopment.com

- **Walls:** Double wall, R-35 total: 10" cellulose, two 2x4 24" o.c. walls, fluid-applied weather-resistant barrier.
- **Roof:** Gable roof: 16" joists, plywood sheathing, 3" rigid polyiso, hard board, standing seam metal on pitched or TPO membrane on flat roofs.
- **Attic:** Unvented R-70 total: R-56 blown cellulose under roof deck + 3" R-24 polyiso above roof deck.
- **Foundation:** Daylight basement: Below-grade - 4" R-30 polyiso under slab and on walls. Above-grade - framed walls with 10" R-22 cellulose.
- **Windows:** Triple-pane, U=0.18, SHGC=0.23.
- **Air Sealing:** 1.1 ACH50, fluid-applied weather barrier, aerosol whole-house sealant.
- **Ventilation:** HRV continuous, 75 SRE.
- **HVAC:** Ducted mini-split heat pump with 5 inside heads, 10.3 HSPF, 19.7 SEER.
- **Hot Water:** Heat pump water heater, 3.45 EF, 80-gal.
- **Lighting:** 100% LED, natural lighting.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, clothes washer and dryer, exhaust fan.
- **Solar:** 14.25 kW, rooftop panels.
- **Water Conservation:** EPA WaterSense faucets, showerheads.
- **Energy Management System:** Smart home ready.
- **Other:** Electric vehicle charging station, sustainably harvested floors, stairs, treads, siding. High-recycled content countertops, cabinets, tile.

