



Photos courtesy of Charis Homes

“You will be getting a home with a healthful environment.” *Charis Homes*



PROJECT DATA

- **Layout:** 3 bdrm, 2 bath, 2 fls, 4,579 ft²
- **Climate:** IECC 5A, cold
- **Completed:** November 2019
- **Category:** Custom for Buyer >3,000 ft²

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 46
- **Annual Energy Costs:** without PV \$1,800
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$1,700
- **Annual Energy Savings:** without PV 6,400 kWh, 10 Therms
- **Savings in the First 30 Years:** without PV \$77,000

CONTACT

Glenna Wilson, 330-575-8544
gwilson@charishomes.com

Todd Scott, 330-575-8545
tscott@charishomes.com

KEY FEATURES

- **Walls:** 2x6, 16" o.c., R-23 total: 5.5" mineral wool, OSB, house wrap. Closed-cell spray foam at rim joists & top plates.
- **Roof:** Truss hip roof: 7/16" OSB sheathing, 7-mil synthetic underlayment, 30-yr shingles; 36" ice and water shield, ridge vents, 12" overhangs.
- **Attic:** Vented roof: R-50 total: 16" blown cellulose, 3" R-20 closed-cell spray at top plates.
- **Foundation:** Insulated basement, R-20 total: 11" R-20 ICF walls; stay-in-place footer forms with built-in interior and exterior drains, dimpled plastic waterproofing membrane.
- **Windows:** Double-pane, argon-filled, low-e, vinyl double-hung frames, U=0.17, SHGC=0.21.
- **Air Sealing:** 1.1 ACH 50. All drywall seams sealed, closed-cell spray foam over top plates.
- **Ventilation:** ERV, MERV 15 filter, air purifier.
- **HVAC:** 2-stage gas furnace, 97.4 AFUE, 19 SEER AC. Rigid metal ducting.
- **Hot Water:** Gas tank water heater in basement, 0.95 EF, 50-gal, ENERGY STAR certified. Central manifold plumbing with PEX pipes. Smart recirc pump.
- **Lighting:** 100% LED; transom windows over interior doors for daylight.
- **Appliances:** ENERGY STAR dishwasher, refrigerator, oven.
- **Solar:** Solar ready: roof trusses engineered for panels, conduit from attic to basement.
- **Water Conservation:** EPA WaterSense fixtures.
- **Energy Management System:** Programmable thermostat, mobile wireless access.
- **Other:** Zero VOC paint, finishes, and adhesive. Formaldehyde-free flooring. Green Guard carpets; Age-in-place zero entry doors and shower.

