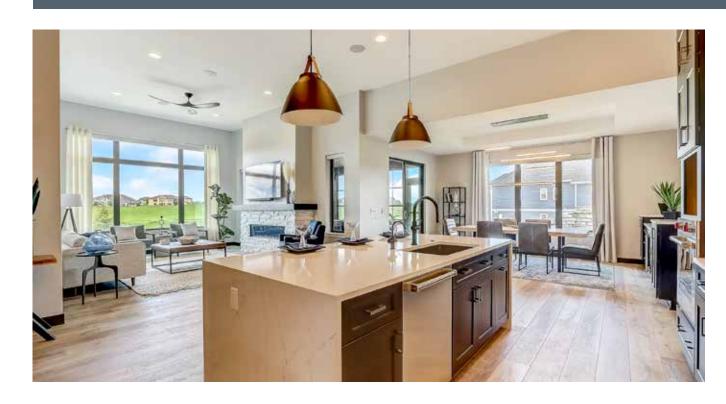


# Tim O'Brien Homes

The Galway | Sun Prairie, WI | TimOBrienHomes.com













## PROJECT DATA

- Layout: 4 bdrm, 3.5 bath, 1 fl + bsmt, 6,333 ft<sup>2</sup>
- Climate: IECC 6A, cold
- Completed: June 2021
- Category: Custom for Buyer >3000 ft<sup>2</sup>

#### MODELED PERFORMANCE DATA

- **HERS Index:** without PV 45; with PV 32
- Annual Energy Costs: without PV \$3,200; with PV \$2,200
- Annual Energy Cost Savings: (VS typical new homes) without PV \$1,000; with PV \$1,750
- Annual Energy Savings: without PV 13,000 kWh, 1,600 Therms; with PV 14,900 kWh, 1,600 Therms
- Savings in the First 30 Years: without PV \$47,800; with PV \$85,500

# CONTACT

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### **KEY FEATURES**

- Walls: 2x4, 16" o.c., R-21 total: advanced framed; R-15 dense-packed fiberglass; 7/16" OSB sheathing,  $\frac{7}{6}$ " R-5 graphite EPS, drain wrap; stone veneer and engineered wood siding.
- Roof: Hip truss roof: self-adhered membrane, synthetic underlayment, architectural shingles.
- Attic: Vented attic: 20" R-50 blown-in fiberglass; 1/2" R-3 closed-cell spray foam over sill plates, chases, can lights. Ridge vents; 7" raised heel trusses.
- Foundation: Insulated basement: unfinished walls 2" interior R-10 foil-faced rigid foam; finished walls - 2x4 wall with R-19 fiberglass unfaced batt and a poly vapor barrier.
- Windows: Double-pane, argon filled, low-e3, vinyl frame, casement style, U=0.27, SHGC=0.22. interior motorized blinds.
- Air Sealing: 1.51 ACH50, all seams in rigid foam and drain wrap taped.
- Ventilation: ERV, MERV 11 filter, sensors across home for temp, humidity, VOCs, CO<sub>2</sub>.
- HVAC: Gas furnace, 96 AFUE, 13 SEER AC.
- Hot Water: Heat pump water heater, 65-gallon, 3.63 EF.
- Lighting: 100% LED, automated window blinds, lighting controls.
- Appliances: ENERGY STAR refrigerator, 2 dishwashers, 2 clothes washers.
- Solar: 6.6 kW, rooftop panels.
- Water Conservation: Whole-house EPA WaterSense-certified. Hot water recirc pump.
- Energy Management System: Integrated home automation system for HVAC, lights.
- Other: EV charging, accessible floorplan, sinks, cabinets. Zero-VOC paint.





