

Building Excellence Awards

Begis Residence

Project Name:	Begis Residence
Category:	Single Family Homes under 3,000 sq. ft.
High Performance:	No
Manufacturer:	Murus
Submitted By:	Chris Bloom

Project

49 Gracie Lane
Weaverville, NC 28787
United States

Builder

Timberframe Horizons, LLC
Tom Rouse
1132 Old Fort Road
Fairview, NC 28730
United States
Phone: 828-222-2555

Design Professional

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Building End Use:

single family residence (3 BR); timber frame hybrid

Describe the end use of the building:

Timber Frame Horizons uses Murus SIPs for all their SIP projects. Structural Insulated Panels work very well with timber frames to speed construction and provide strength and energy efficiency.

SIP wall thickness and core material:

4-5/8" - PUR (Polyurethane) core - R27

SIP roof thickness and core material:

6-5/8" - PUR (Polyurethane) core - R41

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy?

All of the above.

Describe any innovative design elements or structural engineering involved:

very open floor plans with timber frame and large window and door openings; SIPs provided the required lateral support elements

Certifications & Specifications

Certifications:

Energy Star V3 Certified

HERS Index:

61

Blower door test results (ACH50):

2.98

Energy use intensity in kBtu/ft2:

Describe the HVAC system used on the project:

Dual Fuel Heat Pump

Other Energy-saving Materials:

Energy-efficient products or design features:

Solar panels installed:

No; not at this point

Sustainable materials or design features:

Additional comments:

Builder, homeowner, occupant testimonial:

Files & Photos



Energy Star Report
detailed Energy Star Report



Begis Project - Entry

Awesome photo looking thru the home to the NC mountain veiws



Begis Front Elevation



Begis Rear Elevation



Begis Great Room

timber frame elements and awesome views!



Begis Floor Plans