

Project #32 – Classic



Huston Residence

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Participant Information:
Ultimate Construction, Inc.
Scott Foley
4827 Pierceville Road
Cottage Grove, WI 53527
608-825-4633
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www.ultimate-construction.com

Category: Single Family Homes over 3,000 sq. ft.

Project Information:
Huston Residence
2316 Uphoff Road
Cottage Grove, WI 53527

Date completed: 2021

Total cost of project: \$4,000,000

Dimensions:
House - 5,000 1st floor; 1,290 2nd floor loft Garage - 1,290 1st floor; 1,290 LL

Total sq.ft.: 12,580 sq ft

Built by:
Ultimate Construction, Inc.
Scott Foley
4827 Pierceville Road
Cottage Grove, WI 53527
608-825-4633

Panels Manufactured by: Energy Panel Structures, Inc.



Huston Residence



Designed by:

Brown House Architects
Shane Fry
202 West Gorham Street
Madison, WI 53703
608-663-5100

Building use:

Single Family Residence

How did SIP construction help you get this job?

Our energy rating on previous homes.

The quietness and healthiness benefits of having a SIPS home. Needing to build 10 walls

Neopreen SIPs roof

Being able to combine with over 100+ year old timber frame

SIP wall thickness: R26

SIP roof thickness: 10" Neopreen roof panels

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

With the size of the home and height of the walls, SIPs saved superior amount of time, plus the angles of the home.

Vaulted area with panels for bedroom and dining room

1 O' basement and walk out walls.

Innovative design elements or structural engineering involved:

Spancrete was used over the covered porch, which is above the garage.

Additional innovative design elements:

Redesigning timber frame being built out of 300+ year old barns (three different barns) that we carefully removed.

These timber frames worked well with the SIPs package, in the vaulted ceiling and dormer areas, letting us have a continuous ceiling.

HERS Index: 40

Blower door test results: .085 ACH50

HVAC:

This house has 2 condensing boilers, which are 95% efficient Radiant in-floor heat

High velocity system

Variable speed/scroll compressors

High efficient AC

Additional energy-saving materials used in the building envelope:

Spray foam on ring joist areas and all top plates. R60 blown in areas that were not SIPs

Additional energy-efficient products or design features:

All lighting is LED.

On demand water heater

Boiler in-floor heat

Energy Star appliances

Make up air for the kitchen exhaust

Additional sustainable materials or design features:

Real stone on exterior

Standing seam roof

Additional comments:

45 years being in the building business, this home is the most unique home Ultimate Construction has built with SIPs.

High ceilings

Window details

Exterior elevation details

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