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Single Family Homes over 3,000 sq. ft.

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## Ultra-Efficient SIP House East Hampton NY



SIP wall thickness:

6-1/2" EPS

R-value: 23

SIP roof thickness:

12-1/4" EPS

R-value: 45

HERS: 16

ACH50: 1.19

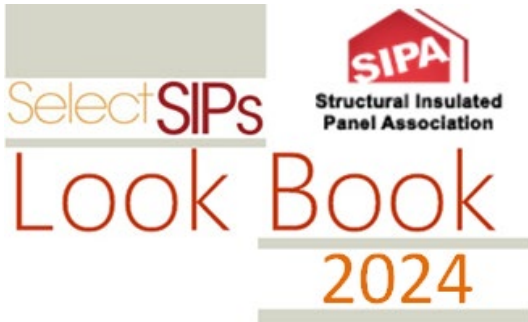
HVAC:

Air Source Heat Pumps

U-value: 0.28

SHGC: 0.3

Solar Panel: 10.4 kWh



**The Murus Company**

Thanet

East Hampton, NY



# Single Family Homes over 3,000 sq. ft.

## Solar SIP House East Hampton NY



SIP wall thickness:

6-1/2" EPS

R-value: 23

SIP roof thickness:

12-1/4" EPS

R-value: 45

HERS: 12

ACH50: 2.37

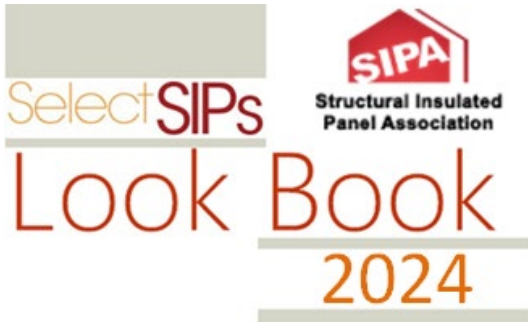
HVAC:

Air Source Heat Pumps

U-value: 0.24

SHGC: 0.57

Solar Panel: 10.4 kWh



**The Murus Company**

Runnymede

East Hampton, NY



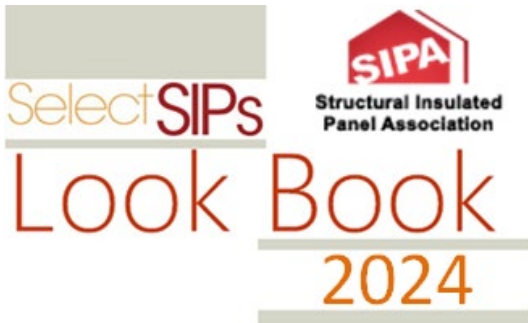
# Single Family Homes over 3,000 sq. ft.

## Modern Chic SIP House New Buffalo MI

SIP roof thickness:  
12" – EPS

HVAC System:  
Split system air to air  
source heat pumps and  
passive solar with  
insulated 4" concrete slab  
on grade

All windows with double  
neoprene thermal break,  
hard foam filled tubeline  
window cores.



**PorterCORP**  
Bronstein  
New Buffalo, MI



# Single Family Homes over 3,000 sq. ft.

## ZeroEnergy Timberframe SIP House Rockwood PA

SIP wall thickness:  
5-1/2" EPS

SIP roof thickness:  
11-7/8" EPS

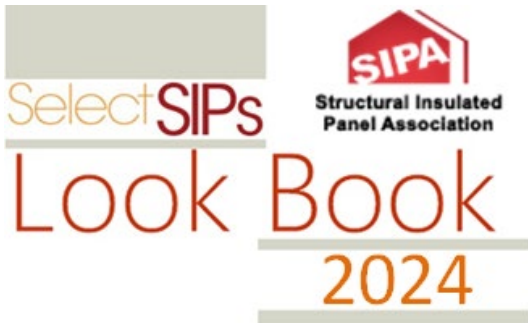
HERS: -16

ACH50: 0.88

HVAC:  
Geothermal heat pump

Solar: 19.2kW

Windows: 0.11  
U-factor: 0.10



**Energy Panels Structures**  
Tinkey Residence  
Rockwood, PA



# Single Family Homes over 3,000 sq. ft.

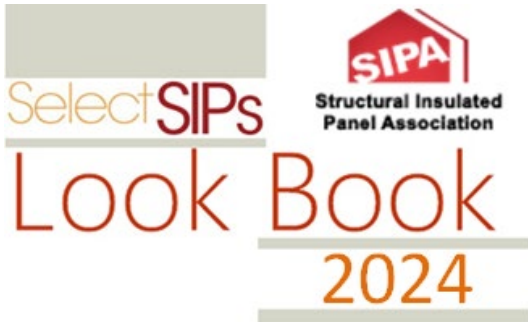
## Energy Star SIP House Orange City IA

SIP wall thickness and core material: 6-1/2" (5-5/8" EPS Core)

HERS: -16  
ACH50: 0.88  
kBtu/ft<sup>2</sup>: 111.3

HVAC system used on the project:  
Forced air propane furnace-96 AFUE with an air to air exchanger ERV-91CFM / Air Conditioner-13 SEER.

2012 IECC Certified



**Energy Panels Structures**

Mars Residence  
Orange City, IA



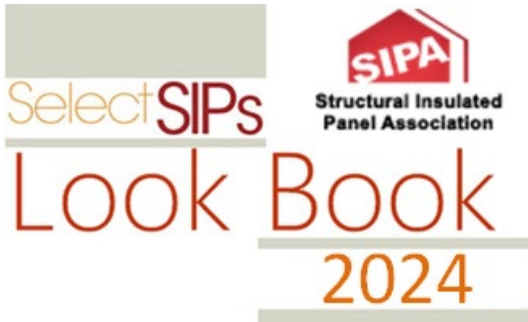
# Single Family Homes over 3,000 sq. ft.

## Energy Star SIP House Edgerton WI

SIP wall thickness:  
5-1/2" EPS

SIP roof thickness:  
11-7/8" EPS

HVAC:  
Propane air furnace  
Basement – in-floor heat



**Energy Panels Structures**  
Nickar House  
Edgerton, WI



# Single Family Homes over 3,000 sq. ft.

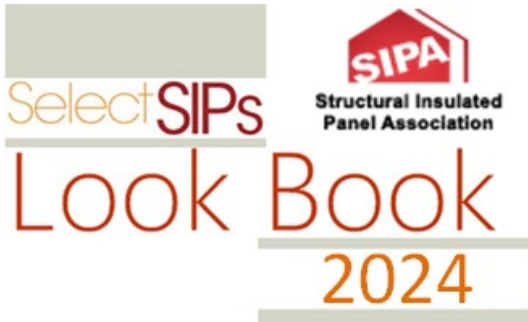
## Geothermal SIP House Lennox SD

SIP wall thickness and core material:  
6-1/2", 5-1/2" EPS Foam 1 lbs.

HERS: 41  
ACH50: 1.60

HVAC :  
Geothermal ground source heat pump forced air and radiant floor heat.

Energy Star  
2018 IECC  
EPA Indoor Air Plus



**Energy Panels Structures**  
Merrigan Residence  
Lennox, SD





# Single Family Homes over 3,000 sq. ft.

## High Vaulted Ceiling SIP House Culpeper VA



SIP wall thickness and core material: 6" EPS

Roof thickness 10" EPS

ACH50: 0.9

HVAC :

15+ SEER 2.0 ton 10 Kw  
Aux Heat, variable speed  
air handler

15+ SEER 2.5ton 10 Kw  
Aux heat, variable speed  
air handler

Solar: 11kW



**T&M Contracting**

**And**

**Construction Services, LLC**

**SHM Modern**

**Culpeper, VA**



# Single Family Homes over 3,000 sq. ft.

## SIP Casita and Shop Scottsdale AZ

SIP wall thickness: 6" EPS

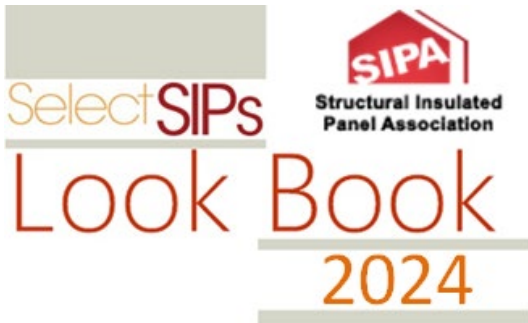
SIP roof thickness: 10" EPS

HVAC: Mini-splits – HRV

On Demand Water, Energy Star Appliances, LED Lighting, LOW/NO Voc finishes.

Triple pane windows

Solar Panels



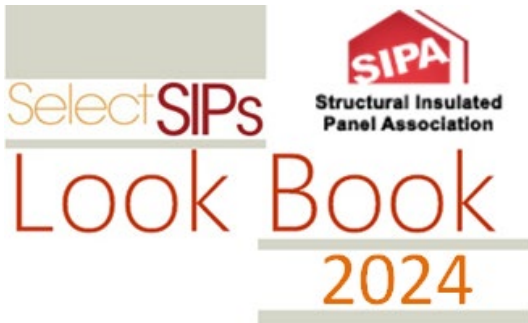
**Premier Building Systems**  
Scottsdale Compound  
Scottsdale, AZ



# Single Family Homes over 3,000 sq. ft.

## SIP House Avon CO

SIP roof thickness:  
10" residence & pavilion  
6" Garage



**Premier Building Systems**  
Avon Colorado Residence  
Avon, CO

