



#3

Commercial/Industrial/Institutional

# Commercial over 10,000 sq. ft.

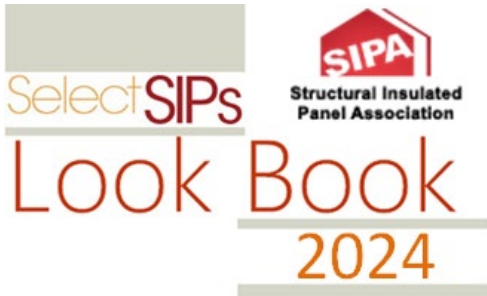
## SIP School and Community Center Atmautluak AK

SIP Wall thickness:  
8" typical at walls  
12" at angled walls  
8" at soffits below the school.

SIP roof thickness: 12"

HVAC: Hydronic heating from a boiler building. 2nd floor interior air handling units in Mechanical rooms.

Triple-pane windows:  
 $U = 0.30$  BTU/Sf.



**Premier Building Systems**

Joann A Alexie Memorial K-12 School  
Atmautluak, AK

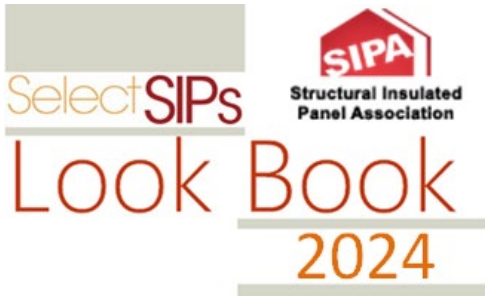


# Commercial over 10,000 sq. ft.

## High Performance SIP Campus Building Berthound CO

Building's envelope, HVAC  
+ lighting design = 29%  
energy cost savings  
Per year

LEED Silver Certification



**Premier Building Systems**

Northern Water Utility Campus Expansion – HQ Bldng  
Berthound, CO



# Commercial under 10,000 sq. ft.

## SIP Kitty Community Rescue Tyler MN

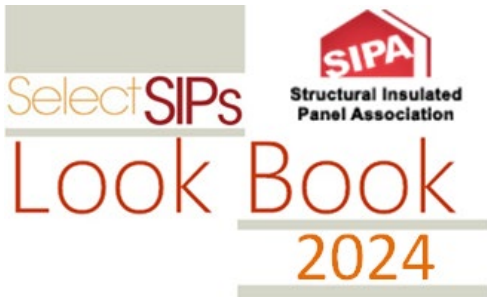
SIP wall thickness:  
5 ½ " EPS Foam

SIP roof thickness:  
11 7/8" EPS Foam

SIP floor thickness:  
11 7/8" EPS Foam

HVAC: A single zone  
18,000 BTU ductless  
inverter.

Vector Invision windows  
R-value: 3.70  
U value: 0.27



**Enercept SIPs**  
Windy Kitty Comm Rescue  
Tyler, MN



# Commercial under 10,000 sq. ft.

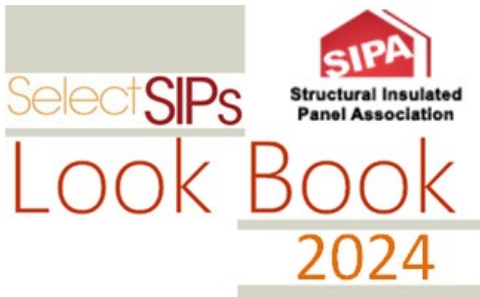
## SIP Winery Silo Grant MN

Wall thickness:  
5 ½ " EPS Core

Roof thickness:  
9 ½ " EPS Core

Attic floor: 11 7/8" EPS

HVAC:  
Radiant in-floor heat  
Forced air system and  
central air units.



**Enercept SIPs**  
Two Silo Winery  
Grant, MN



# Commercial under 10,000 sq. ft.

## SIP Repair Center Lena IL

SIP wall thickness:  
8-9/16" (7-3/8" EPS  
Core) R-33  
R-50 attic

HVAC:  
Natural gas radiant  
heat and an oil burner  
that utilizes waste  
from the business in  
the shop. The office is  
a forced air natural  
gas system.

LED lighting  
Low VOC paints, stains



**Energy Panel Structures**  
Corp Tire  
Lena, IL



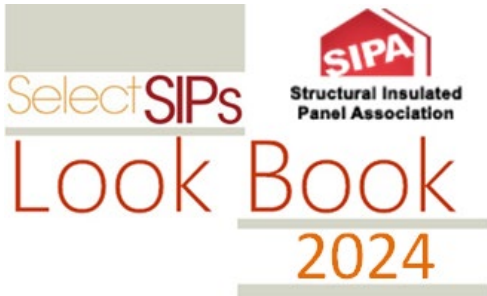
# Commercial < 10,000 sq. ft.

## SIP Event Space Payola KS

SIP wall thickness:  
6-1/2" EPS

HVAC: Five American  
Standard heat pump units.

LED lighting, energy  
efficient appliances.



**Energy Panel Structures**  
**Fireflies Wedding Venue**  
**Payola, KS**



# Commercial < 10,000 sq. ft.

## Energy Star SIP Lake Venue Wahpeton IA

SIP wall thickness:  
R-26 & R-33

Roof thickness: R50  
cellulose

HVAC:  
Gas boiler with in-floor heat  
Mini-split units in the  
individual rooms for  
heating and cooling.



**Energy Panel Structures**  
Okoboji Beach House  
Wahpeton, IA





# Commercial under 10,000 sq. ft.

## SIP Office Shop Spirit Lake IA

Wall thickness:

Office: 6-1/2", 5-1/2" EPS  
Foam 1 lbs

Heated Shop: 8-1/2", 7-  
3/8" EPS Foam 1 lbs



**Energy Panel Structures**  
Ackerman Construction Shop & Office  
Spirit Lake, IA



# Commercial under 10,000 sq. ft.

## SIP Holistic Dental Clinic Mount Vernon IA

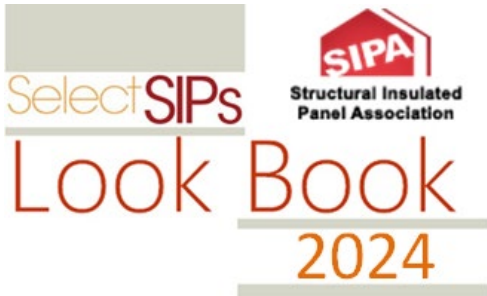
### U-Values:

Spray foam box sills pro foundation walls. R-50 blown fiberglass attic insulation. Gerkin Rhino series windows UF 0.34

### Energy-efficient products:

High efficiency LED lighting, programmable thermostats, tank-less water heater.

Low VOC paints, and wood stains were used.



**Energy Panel Structures**  
Mt. Vernon Family Dentistry  
Mount Vernon, IA



# Commercial under 10,000 sq. ft.

## Ambulance SIP Station Hartsel CO

On demand water heating.

Solar ready, likely installed in spring.

Low VOC everything.  
Natural landscaping for low maintenance and low costs.



**Premier Building Systems**  
Hartsel Station/Jefferson County  
Hartsel, CO

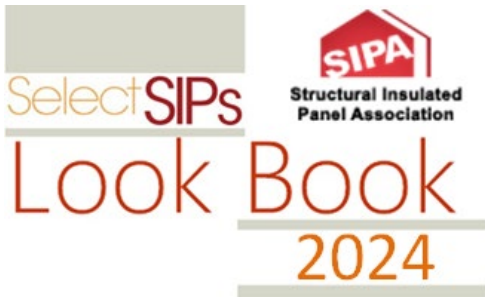


# Commercial under 10,000 sq. ft.

## High Performance SIP Headquarters Aspen CO

SIP roof thickness: 10"

High performance  
programmable multi zone  
HVAC



**Premier Building Systems**  
Aspen Distilling  
Aspen, CO



# Commercial under 10,000 sq. ft.

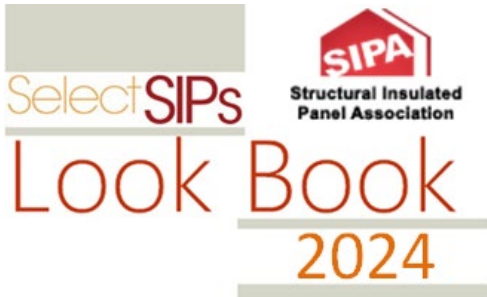
## SIP School Gymnasium Chatsworth CA

SIP wall thickness: 8"  
SIP roof thickness: 8"

HVAC: 2-Stage HVAC  
System

High-Efficiency  
Programmable LED  
Lighting

Title 24 requires all  
Low/NO VOC finishes.



**Premier Building Systems**  
Sierra Canyon School Gymnasium  
Chatsworth, CA



# Commercial under 10,000 sq. ft.

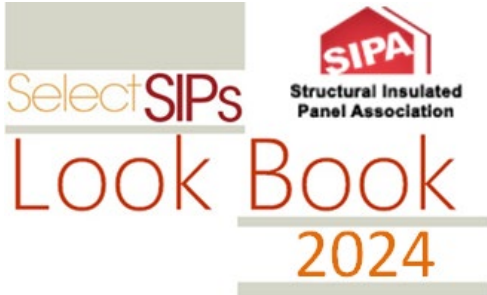
## SIP Unsighted Camp Napa CA

SIP roof thickness: 9.5"

HERS, ACH50 and Btu/ft<sup>2</sup>:  
Not required. Meets Title  
24 Code Compliance for  
Net Zero

HVAC: Micro Units

Some of the buildings  
have solar panels  
installed already, all will  
have them in near future  
for positive energy  
consumption.



**Premier Building Systems**

Enchanted Hills Lighthouse Camp (for the Blind)  
Aspen, CO



# Commercial under 10,000 sq. ft.

## SIP Multi Services Station Big Stone SD

SIP wall thickness: 8 ¼”

SIP roof thickness: 12 ¼”

All LED lighting



**Extreme Panel Technologies**  
**Pinnacle Engineering**  
The Lakes One Stop  
Big Stone, SD



# Commercial under 10,000 sq. ft.

## High Performance SIP Research Center Cape Shirreff Antarctica

SIP wall thickness: 6"  
(3813 FT<sup>2</sup> Wall Panels)

SIP roof thickness: 10"  
(2932 FT<sup>2</sup> Roof/Floor  
Panels)

SIP floor thickness: 10"

SIP partitions thickness:  
4"

Full rooftop solar  
powered system  
Exteriors are stainless  
steel

LEED lighting



**Premier Building Systems**  
NOAA Cape Shirreff Galley & Bunkhouse  
Cape Shirreff Antarctica

