



**PREMIER SIPS**  
STRUCTURAL INSULATED PANELS

# INSTALLATION LABOR CASE STUDIES



## SIPS AND LABOR SAVINGS

Building with Premier SIPS reduces heating and cooling energy use by up to 60% while also delivering significant construction labor savings. With fewer gaps to seal and built-in compliance for continuous insulation, Premier SIPS streamline construction and meet energy codes with ease.

Each panel consists of a rigid insulation core laminated between structural-grade OSB facings. Their large, pre-manufactured

design eliminates the need for separate framing, sheathing, and insulation—cutting labor hours, reducing waste, and speeding up project timelines. Ideal for buildings up to five stories, Premier SIPS replace wood or steel framing, CMUs, and tilt-up concrete.

The following case studies showcase how Premier SIPS help builders reduce costs and build faster without sacrificing quality.

### LABOR CASE STUDY 1

**Project:** Labor time estimate for installation of Premier SIPS wall panels used for the structural insulated envelope of a 3978 square foot duplex.

**Premier SIPS:** Panels were custom cut to length and width from factory, including door and window openings. Insulated spline panel connections and 2X plate pockets also provided.

#### Scope of work - Walls:

312 lineal feet of 8 ft. high walls. Included installation of 2X plate material in factory cut window and door openings, header openings, and for panel top plates.

1. Installation team was 4 man crew to hand set panels and execute details with assistance of crane.

2. Bottom sill plate installed over conventional floor system.
3. Premier SIPS wall panels were set over sill plate.
4. Panel to panel connections installed using provided splines, SIP sealant and fasteners.
5. Corner connection was sealed and fastened.
6. Door, window openings field plated.

#### Results - Walls

- 4 men spent 9 hours 45 minutes, or 39 man hours total, to set 312 lineal feet of walls.
- 8 lineal feet of installed SIPs per man hour.
- 64 square feet of installed SIPs per man hour, or 256 sf ft per hour with a 4 man crew.



## LABOR CASE STUDY 2

**Project:** Labor time estimate for installation of Premier SIPS wall panels for the structural insulated envelope of a 3,652 square foot single story home.

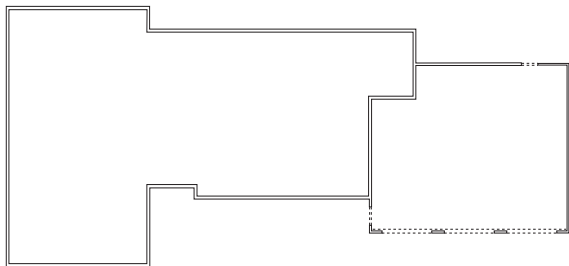
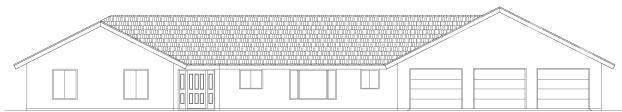
**Premier SIPS:** Panels were supplied from factory: Cut to length, width, and gable configuration with door and window openings cut. Insulated spline panel connections and 2X plate pockets also cut to size in factory

### Scope of work - Walls:

1. 348 lineal feet of 8 ft. high walls - installing 2X plate material in 14 factory cut openings, 9 header openings, and wall panel top plates.
2. Installed bottom sill plate on treated plywood floor system.
3. SIP wall panels were set over sill plate.
4. Panel to panel connections completed factory supplied insulated splines, SIP sealant and fasteners.
5. Corner connection was sealed and fastened
6. Door, window, and header openings field plated.
7. 4 man crew was used to hand set panels and execute details.

### Results - Walls

- 4 men spent 12 hours, or 48 man hours total, to set 348 lineal feet of walls.
- 7.3 lineal feet of installed SIPS per man hour.
- 65 square feet of installed SIPS per man hour.



## LABOR CASE STUDY 3

**Project:** Labor time estimate for the installation of Premier SIPS wall and roof panels for the structural insulated envelope of a 28' x 22' structure.

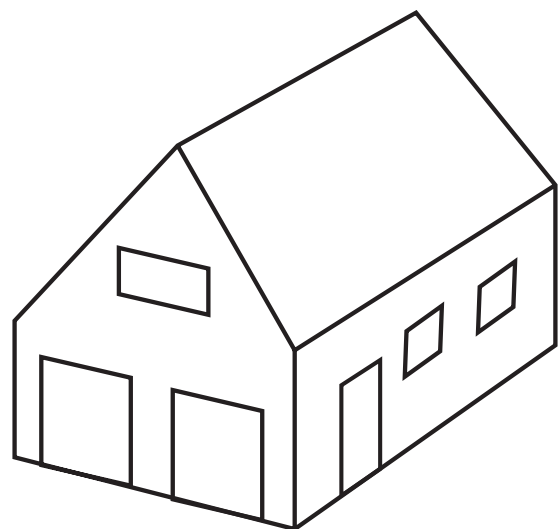
**Premier SIPS:** Panels were supplied from factory: Cut to length, width, and gable configuration. Door and window openings were factory cut. Insulated spline panel connections and 2X plate pockets also factory cut.

### Scope of work - Walls:

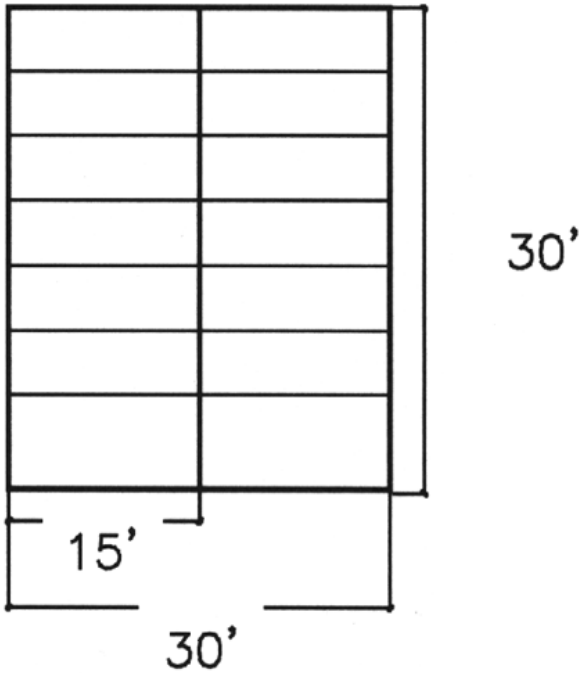
1. Treated lumber installed on top of concrete foundation for capillary break.
2. Sill plate was installed top of treated plate.
3. SIP wall panels were set over sill plate.
4. Panel to panel connections completed using insulated splines, SIP sealant and fasteners.
5. Corner connection was sealed and fastened..
6. Door and window openings field plated.
7. 4 man crew was used to hand set panels and execute details.

### Results - Walls

- 4 men spent 3 hours, or 12 man hours total, to set 100 lineal feet of walls.
- 8.33 lineal feet of installed SIPS per man hour.
- 84 square feet of installed SIPS per man hour.



## LABOR CASE STUDY 3 CONTINUED



### Results - Roof:

- Preparation: 2 men spent 1 hour each installing 180 lineal ft. of block spline in 4' wide x 15' long SIP roof panels.
- 90 lineal feet of spline panel connections were installed per man hour.
- 2 men on roof, and 1 man on the ground, set 900 sq. ft. of roof in 2 hours (6 man hours total), plus 2 man hours staging panels.
- 2 hours of crane time.
- 113 square feet of SIP roof panels installed per man hour.

### Scope of work - Roof:

1. Staging and preparation of SIP roof panels on ground, included installation of splines and sealant on one side (male side) only.
2. Attachment of roof SIPs at eave wall.
3. Attachment of roof SIPs at gable wall.
4. Attachment of roof SIPs at ridge.
5. Eave and gable edges field plated.



## READY TO BUILD STRUCTURES FASTER WITH SIPS? START HERE.

Contact your local Premier SIPS Representative to collaborate with you to determine how to best incorporate Premier SIPS as part of your complete material package. To learn more and to contact your nearest representative visit [www.premiersips.com](http://www.premiersips.com).



Website: [premiersips.com](http://premiersips.com) Toll Free: 800-275-7086

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