

**Participant information**

Premier Building Systems  
James Hodgson  
18504 Canyon Road East  
Puyallup, WA 98375  
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Website: [www.premiersips.com](http://www.premiersips.com)

**Category**

Single Family Homes (under 3,000 sq. ft.)

**High Performance:**

Yes

**Project information**

Lieu Residence  
Not disclosed  
Shelton, WA 98584

**Date Completed:**

October 2019

**Dimensions of building (all floors of multi-story building):**

34x52

**Total sq. ft. of conditioned space:**

1,480 sq. ft.

**Built By (if different than applicant)**

Scott Homes  
Derek Slater  
3016 10th Ave NE  
Olympia, WA 98056

**Panels Manufactured By: Company Name (members only):**

Premier Building Systems

**Designed By (if different than applicant - SIPA will only recognize members)**

Scott Homes  
Eric Hurt  
18504 Canyon Road East  
Puyallup, WA 98375

**Describe the end use of the building:**

Residence

**How did SIP construction help you get this job?**

Customer wanted a "good" house. Knew about SIPs and contacted us. We educated the client on how SIP enables us to give them a high performance, quiet, energy efficient home. They were SOLD!

**SIP wall thickness and core material:**

6" walls GPS, 2,256 sq. ft. panels

**SIP roof thickness and core material:**

12" roof EPS, 2,040 sq. ft. panels

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

To protect the timbers from the wet weather we needed to dry in the house fast. We also wanted much better insulation envelope compared to a rafter system in the ceiling. We strive for extreme energy efficiency so need a product that exceeds code and has little or no thermal bridging. We need a really air tight house. SIPs solves all of these issues in a big way!

**Please list any certifications the project received, such as ENERGY STAR, LEED, National Green Building Standard, WELL, Passive House, Green Globes or local green building programs. Only list certifications that are completed:**

Certified to Energy Star. Would have qualified for 5 star built green certificate, but it has become too expensive to certify. Client was satisfied that we built the home to the standard without certification.

**HERS Index (required only for High Performance Category and recommended for residential projects):**

40

**Blower door test results (ACH50) (required only for High Performance Category and recommended for residential projects):**

0.8 ACH50

**Describe the HVAC system used on the project:**

We used a Ductless heat pump. 2 ERV's and Whisper Green fans in Bathrooms & laundry rooms.

**Describe any other energy-saving materials used in the building envelope other than SIPs. List U-values of windows used and the U or R-value of any insulation materials. (judged only for High Performance Category)**

Used triple pane vinyl windows from Ply Gem...U=.21, used 4" rigid EPS R-20 foam vertically and horizontally 100% under the slab foundation (code is 2" foam R-10), ERV for energy efficient clean indoor air, intentional systems to produce an air tight house, heat pump hot water tank and ductless heat pumps for heating and cooling (both noted for their very high performance and low energy costs).

**Please list any energy-efficient products or design features, such as lighting, hot water heating, appliances, passive solar (judged only for High Performance Category):**

100% LED lighting, Energy Star appliances and induction stove, heat pump hot water tank.

**Were any solar panels installed on the project? If so, indicate the size of the system (judged only for High Performance Category):**

plumbed and wired for....panels are ordered and should be installed soon. 5K system?