

SIPA Building Excellence Application (Page 1 of 4)



PARTICIPANT INFORMATION

Company Name: ENERGY PANEL STRUCTURES
Contact Name: LEE BERGUM
Address: 603 N. Van Gorden Ave
City: Gracigny State: IA Zip: 51342
Phone: 712-859-3219
Email: Lbergum@epsbuildings.com Website: www.epsbuildings.com

CATEGORY ENTRY (check one category)

- | | |
|---|---|
| <input type="checkbox"/> Single Family Homes (over 3,000 sq. ft.) | <input type="checkbox"/> Commercial/Industrial/Institutional Buildings under 10,000 sq. ft. |
| <input checked="" type="checkbox"/> Single Family Homes (under 3,000 sq. ft.) | <input type="checkbox"/> Commercial/Industrial/Institutional Buildings over 10,000 sq. ft. |
| <input type="checkbox"/> Multifamily | <input type="checkbox"/> Renovations |
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Affordable Housing |

PROJECT INFORMATION

Project Name: HARTERT
Address: _____
City: WABASHA State: MN Zip: _____
Date completed: 10-2015
Total cost of project (exclusive of land): 370,000
Dimensions of building (all floors of multi-story building): 50x100x14

Asking price/purchase price (Affordable Housing only): _____

Total sq. ft. of conditioned space: 5000

BUILT BY (if different than applicant)

Company Name: HARTERT BUILDINGS
Contact Name: DENNY HARTERT Phone: _____
Address: 66241 165th Ave
City: WABASHA State: MN Zip: 55981

PANELS MANUFACTURED BY (members only)

Company Name: _____

Continued

A Building Excellence Application (Page 2 of 4)



DESIGNED BY (if different than applicant – SIPA will only recognize members)

Company Name: ENERGY PANEL STRUCTURES
Contact Name: LEE BERGUM Phone: 612-499-0754
Address: 603 N VAN CORDON AVE
City: CORNETTINGER State: IA Zip: _____

Please answer each question with as much detail as possible to help in the judging process.

Attach additional sheets if necessary.

Describe the end use of the building: Personal House & Business Shop

How did SIP construction help you get this job? new dealer, energy efficiency
speed on construction

SIP wall thickness and core material: 8" walls EPS

SIP roof thickness and core material: N/A Blown R-52 INS

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy?
SAVED TIME
" CONST COSTS

Describe any innovative design elements or structural engineering involved:
Scissor truss over main house

PA Building Excellence Application (Page 3 of 4)



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

HERS Index (residential projects):

59

Blower door test results (ACH50) (residential projects):

1.56

Energy use intensity in kBtu/ft² (commercial projects):

Describe the HVAC system used on the project:

Coco thermal / in floor radiant heat

Describe any other energy-saving materials used in the building envelope other than SIPs. List U-values of windows used and the R-value of any insulation materials.

Anderson 300 series windows
Low E Sun U = .29

Please list any energy-efficient products or design features, such as lighting, hot water heating, appliances, passive solar:

All hot water - geothermal

Were any solar panels installed on the project? If so, indicate the size of the system:

NO

SIPA Building Excellence Application (Page 4 of 4)



Please list any sustainable materials or design features not listed above, such as recycled materials, low-VOC finishes, landscaping, etc.:

low voc finish
wood floors

Any additional comments on the project:

CHECKLIST

- ☒ My company is a SIPA member. Panels for this project were manufactured by a SIPA member.
- ☒ I have answered ALL the questions completely
- ☒ I have enclosed the two required electronic images of the completed project meeting the requirements stated in the SIPA Building Excellence Awards guidelines
- ☒ I have indicated the HERS Index as determined by a RESNET certified home energy rater (residential projects)

PLEASE CONFIRM: I have read and understand the rules for this competition. This entry is structural insulated panel construction as defined in the SIPA Building Excellence Awards guidelines. I understand by making this submission that my pictures will be used by the Structural Insulated Panel Association (SIPA) to promote the use of structural insulated panels. I hereby give permission to SIPA to use the enclosed pictures for any use they see fit in that endeavor. I understand that where possible, SIPA will give credit for pictures used to my company as listed above.

Signature:

Date:

2-29-16

Entries that do not contain all required materials or are received after **March 4, 2016** will not be considered

Complete application and submit electronically to maryjane@sips.org

Or send hard copy applications to SIPA office: P.O. Box 39848, Fort Lauderdale, FL 33339



Structural Insulated
Panel Association

BUILDING LEAKAGE TEST

Date of Test: 1/28/2016

Customer: EPS - Lee Bergum

Test File: 15-CCT-065-12 66261 165th Ave Wabasha MN BD 793 CFM 1.56 ACH50

Technician: Jake Brettin

Project Number:

Building Address: 66261 165th Ave
Wabasha, MN 55981

Test Results

1. Airflow at 50 Pascals:
(50 Pa = 0.2 w.c.) 793 CFM50 (+/- 1.5 %)
1.56 ACH50
 2. Leakage Area: 43.6 in2 LBL ELA @ 4 Pa
 3. Building Leakage Curve: Flow Coefficient (C) = 68.8 (+/- 11.1 %)
Exponent (n) = 0.625 (+/- 0.030)
Correlation Coefficient = 0.99881
 4. Test Settings: Test Standard: RESNET Multi-Point Test
Test Mode: Depressurization
 5. Accuracy Level Standard Level of Accuracy Test
-

Infiltration Estimates

1. Estimated Average Annual Infiltration Rate:
 2. Estimated Design Infiltration Rate:
-

Cost Estimates

1. Estimated Cost of Air Leakage for Heating:
2. Estimated Cost of Air Leakage for Cooling: