

# 2017 SIPA Building Excellence Awards



## Official Entry Form

**APPLICATION DEADLINE: *January 16, 2017***

The Structural Insulated Panel Association (SIPA) is hosting the fifteenth annual Building Excellence Awards to recognize association members that build exemplary projects using structural insulated panels (SIPs). The competition allows SIPA members to showcase their best work while demonstrating the design flexibility, sustainability and energy efficiency possible with SIP construction.



*Winning entries will be showcased at the 2017 SIPA Annual Meeting in Austin, Texas, February 20 – 22, 2017*



***Homes and commercial buildings completed between January 1, 2016 and December 31, 2016 are eligible.***

### ***Award Categories:***

- Single Family Homes over 3,000 sq. ft.
- Single Family Homes under 3,000 sq. ft.
- Multifamily
- Agricultural
- Commercial/Industrial/Institutional Buildings under 10,000 sq. ft.
- Commercial/Industrial/Institutional Buildings over 10,000 sq. ft.
- Renovations (*residential or commercial, includes additions and retrofit insulated panels*)
- Affordable Housing (*excludes multifamily, home ownership cost must be at or below 30% of median income for location*)

### ***Who is Eligible?***

- The submitting company must be a current SIPA member in good standing
- Structural insulated panels must be used on a minimum of 50% of the building envelope, determined by square footage of exterior walls and roof
- The SIPs used on the project must be provided by a SIPA member manufacturer
- Installers, designers or other parties involved in the project who are not SIPA members will not be recognized in awards materials. However, builders or architects may apply for membership with their entry, but must be full members in good standing prior to the closing date for the entry to receive recognition.
- Project must be completed between January 1, 2016 and December 31, 2016

### ***Winning Entries***

- One winner will be chosen from each category. From the category winners, an Overall Competition Winner and a Runner-Up will be named.
- Judges may hand out Honorable Mentions at their discretion
- Winners will be recognized at the 2017 SIPA Annual Meeting & Conference in Austin, Texas
- SIPA will promote the winning entries on the SIPA website and issue a press release to outside media

## Guidelines

- Member companies may make multiple entries, but a separate entry form must be completed for each entry
- SIPA has the right to use the photos to promote SIPs to the construction industry. All entries will be displayed on the SIPA website.
- The deadline for entries is January 16, 2017. All entries must be received at the SIPA office on or before that date.

*The following information and documentation is REQUIRED. Entries without the required items will not be considered.*

- Completed and signed application
- A minimum of two photos showing different views of the completed project
- Photographs must be submitted in digital form and be at least 2400 x 3000 pixels, or 8" x 10" at 300 dpi
- Residential projects must have a HERS Index calculated by a RESNET certified home energy rater. Commercial projects must present other documentation of energy efficiency.

*Additional documentation is not required but is highly recommended to give the judges a clear picture of the project's overall design, sustainability, systems integration, and energy efficiency.*

- Additional photos showing the construction process and SIP installation
- Documentation of energy efficiency, such as a HERS report, blower door test results, utility bill data, or infrared thermography
- A thorough description of energy-efficient technologies other than SIPs, as well as other innovative or sustainable features
- Comments from the building owners regarding their satisfaction with the building
- A floor plan of the project. A single page line drawing no larger than 17" x 22" in size is sufficient. Please do not send full blueprints.



## Judging Criteria

**Each entry will be judged on the following criteria:**

- Energy efficiency (quantified by HERS Index and other data)
- Design and structural engineering innovation
- Creative use of SIP construction
- Environmental sustainability



## PARTICIPANT INFORMATION

Company Name: **Enercept, Inc.**

Contact Name: **Charlie Ewalt, Jon Wagar or Roberta Bartel**

Address: **3100 9th Ave SE**

City: **Watertown**

State: **SD**

Zip: **57201**

Phone: **605-882-2222**

Email: **enercept@enercept.com**

Website: **www.enercept.com**

## CATEGORY ENTRY (check one category)

- ☐ Single Family Homes (over 3,000 sq. ft.)
- ☐ Single Family Homes (under 3,000 sq ft.)
- ☐ Multifamily
- ☐ Agricultural

- ☒ Commercial/Industrial/Institutional Buildings under 10,000 sq. ft.
- ☐ Commercial/Industrial/Institutional Buildings over 10,000 sq. ft.
- ☐ Renovations
- ☐ Affordable Housing

## PROJECT INFORMATION

Project Name: **Ideation Design Group**

Address: **4885 E Washington Str**

City: **Phoenix**

State: **AZ**

Zip: **85033**

Date completed: **July 2016**

Total cost of project (exclusive of land): **\$1,560,000**

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

**108' x 81'**

Asking price/purchase price (Affordable Housing only):

**n/a**

Total sq. ft. of conditioned space:

**8,643**

## BUILT BY (if different than applicant)

Company Name: **G4 Builders LLC**

Contact Name:

Phone: **602-441-4550**

Address: **15455 N. Greenway Hayden Loop**

City: **Scottsdale**

State: **AZ**

Zip: **85260**

## PANELS MANUFACTURED BY (members only)

Company Name: **Enercept, Inc.**

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## **SIPA Building Excellence Application** (Page 2 of 4)



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

Company Name: **Ideation Design Group**

Contact Name: **Carl Schaeffer**

Phone: **602-792-1781**

Address: **4885 E. Washington Str**

City: **Phoenix**

State: **AZ**

Zip: **85033**

**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:

Ideation Design Group is a Creative Design Studio employing 42 people. The studio comprises an architecture division, interior design services, foodservice design, graphic design, as well as a procurement department, IDG Purchasing.

How did SIP construction help you get this job?

The owners were looking for the long-term value of a super-insulated, high efficiency building.

SIP wall thickness and core material: **8" EPS**

SIP roof thickness and core material: **8" EPS**

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

Using SIPs reduced construction time. The exterior walls were framed, sheathed and insulated in four days with only four men.

Describe any innovative design elements or structural engineering involved:

This building was designed and built to serve as an example to potential clients, of the simplicity, wisdom and long-term value of a super-insulated, solar-assisted, high efficiency building, done right. The South-facing roof surface was designed to optimize solar gain with low-profile, surface mounted solar panels. Each employee also has natural light to his/her workspace. The Ideation Building was built to meet LEED Platinum Standards.

## SIPA 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:

n/a

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HERS Index (residential projects): n/a

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Blower door test results (ACH50) (residential projects): n/a

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Energy use intensity in kBtu/ft<sup>2</sup> (commercial projects): n/a

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Describe the HVAC system used on the project:

The Air Conditioning for the entire building is provided by three virtually silent, super efficient, 15-ton LG Variable Refrigerant Flow (VRF) towers with 23 interior control units (no more than two employees per single unit). Heat, when needed, is provided by reclaiming heat from the same VRF unit.

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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.

All windows are Solarban 90, Low-E Glass by PPG (.20 solar heat gain coefficient).  
Siding is OBC Projected Cork Stucco Alternative (sprayed in place and cork-based, OBC offers the appearance of stucco, integral color and significant heat rejection/insulation properties).  
Roofing is Corrugated Steel by Bunker Steel of Phoenix, AZ over self-sealing underlayment

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

100% LED lighting was used in all fixtures. All appliances, fixtures, etc. are Energy Star rated.

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

There is a total of 43 KW (approximately 4,000 sq. ft.) of Mitsubishi solar panels installed by Harmon Solar of Phoenix, AZ.

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

Interior was finished with low VOC paints and other sustainable products; recycled newspaper was used for wall paper finishes.  
Drought-resistant plants were used in landscaping.

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Any additional comments on the project:

The building is located just 50' from the Light Rail Station.  
The November 2016 Electric Utility bill was only \$168.00 for 142,330 Cu. Ft.

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### 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: \_\_\_\_\_

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Entries that do not contain all required materials or are received after **January 16, 2017** will not be considered

Complete application and submit electronically to [info@sips.org](mailto:info@sips.org)

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

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