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3/26/10

**Kevin Zadow**  
102 East Industrial Park  
Gracettinger, Iowa 51342

Kevin,

Thanks for all your help with the design and construction of our home in Sioux City, IA. My wife and I could not be more pleased with our choice in materials. Your firm was a great partner on this project and we continue to recommend EPS every time we have the opportunity.

From the start we could see advantages to this system, since we started the build in November it was imperative that we get the project enclosed as soon as possible. Your SIP system allowed us to get that done. As we progress the advantages continue to show themselves.

For our design, I think the most obvious SIP advantage is our tall ceilings, since there is no need to insulate an attic. The home is quiet. I live in an area know for its high winds and with your panels we don't hear the "howling". My wife loves that she can hang anything anywhere. I like never having to find a stud. Because there are no studs all of my walls are perfectly straight. As a finishing contractor nothing is more frustrating that a bulging joint in a wall.....my house doesn't have one.

From an efficiency perspective, I knew long before we started, because of my two 30' by 20' walls of windows that if I wanted to afford the utilites we needed to go over the top with insulating the rest of the house. EPS allowed us to do that in a very affordable way. Thanks to EPS, the extreme R-value of my home combined with an ultra efficient geothermal system installed by CW Suter my utility bills are less than budgeted and the temperature of the house stays consistant.

I am very thankful that Brown Construction and M+ Architecture went out of their way to sell my wife and I on your building envelope. It is paying for itself every day.

Thanks for all help!

Regards,

A handwritten signature in black ink, appearing to be 'John Stevens', written over a horizontal line.

**John Stevens, President**

**Entry Number**

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**Descriptive Data Sheet**

Specific Use of Building	Residential
Area [square feet]	4,500 sq. ft.
Cost	\$810,000
Project Statement	<p>The residence was designed to address the new suburban neighborhood it was sited in as well as provide an escape from the surrounding neighborhood and city at large for a family of four and two large dogs.</p> <p>The site for the new residence is a sort of edge condition. The home is sited on the edge of a hill with suburban housing development to the north and prairie on the south. And more specifically, it's a ¼ acre lot at the end of a cul-de-sac on one side of the lot and the end of the city limits on the other side. The neighborhood association had a number of requirements to follow from roof slope to material and even form.</p> <p>The resulting design in many respects is both transparent and two-faced. The front of the house is largely abstracted from a prototypical suburban home, a form derived from such quintessentially iconic suburban images as the front façade of the "Brady Bunch" house and the stylized "American Family Insurance" home-line logo. The back of the house was designed in such a way as to provide a haven from the surrounding suburban neighborhood.</p> <p>The home has 3,000 square feet of living space above ground and 1,500 square feet of office and storage space below ground. The residence has a family wing and a guest wing that are connected by a 900 square foot great room. The great room is largely glass, which allows for day-lighting and passive heating but brought forward issues of privacy. As such, a stone chimney and a drywall partition wall were inserted to provide a visual screen between the more public spaces and more private spaces of the great room. The lobby and dining room which are rarely used and always kept presentable were placed on the cul-de-sac (public view) side of the home while the kitchen and sitting areas were placed on the courtyard (private view) side of the residence. The two wings that run south and parallel of the great room's glass wall create an outdoor great room with a pool, multiple sun-tanning stations (for different dates of the year), and a wood-slat screened cabana.</p> <p>In addition to sun-tanning and neighborhood screening, the homes orientation, materiality, shade forms, pool, R-40 walls, R-50 roof, and geothermal mechanical system allow the home to consume less energy than its contemporaries.</p>

The 2009 AIA Iowa Excellence in Design Awards

# Application

## PARTICIPANT INFORMATION

Company Name: ENERGY PANEL STRUCTURES, INC.  
Contact Name: KEVIN ZADOW  
Address: 102 EAST INDUSTRIAL PARK  
City: GRAETTINGER  
State: IA Zip: 51342  
Phone: 712-859-3219  
Fax: 712-859-3275  
Email: kzadow@epsbuildings.com  
Website: www.epsbuildings.com

## CATEGORY ENTRY (check one category)

- Single Family Homes (over 3,000 sq. ft.)  
 Single Family Homes (under 3,000sq ft.)  
 Multi-Family  
 Agricultural  
 Institutional / Industrial / Commercial  
 Renovations

## PROJECT INFORMATION

Project Name: STEVEN'S RESIDENCE  
Address: WISPERING CREEK ADDITION  
City: SIoux CITY  
State: IA Zip: 51103  
Date completed: SPRING - 2009  
Total cost of project (exclusive of land): \$ 810,000  
Dimensions of building (all floors of multi-story building): U-SHAPED  
21x161 , 28x30 , 11x36 = MAIN FLOOR  
LIVING AREA  
21x28 - GARAGE AREA.

## BUILT BY (if different than applicant)

Company Name: BROWN CONSTRUCTION  
Contact Name: ERIC ALLEN  
Address: 200 S. DERBY LANE  
City: NORTH SIoux CITY,  
State: SD Zip: 57049

## PANELS MANUFACTURED BY (members only)

Company Name: ENERGY PANEL STRUCTURES, INC.

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

Company Name: MT ARCHITECTS  
Contact Name: NATHAN KALAHNER  
Address: 117 PIERCE STREET - SUITE 110  
City: SIoux CITY  
State: IA Zip: 51101

## PLEASE ANSWER EACH QUESTION WITH AS MUCH DETAIL AS POSSIBLE TO HELP IN THE JUDGING PROCESS

Describe the end use of the building (attach additional pages if necessary)

SINGLE FAMILY RESIDENTIAL  
PRIMARY RESIDENCE

How did SIP construction help you get this job?

HOMEOWNER WAS LOOKING FOR HIGH ENERGY  
EFFICIENCY CONSTRUCTION

Continued

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Specify unique features of why the project is deserving of recognition (new construction techniques, customer problems solved, time / labor savings, financial savings, etc.)

CONSTRUCTION WAS STARTED IN LATE FALL/WINTER AND THE PANELS CREATED & INSULATED ENVELOPE TO SPEED WINTER CONSTRUCTION

What energy-efficient or green building products and / or techniques were incorporated into the building? Please list any local or national energy-efficient or green building certifications earned (ENERGY STAR, LEED, Built Green, etc.)?

GEOTHERMAL HEATING & COOLING SYSTEM ALSO USED TO HEAT THE POOL WATER.

HERS Index:

Which elements of the building (floors, walls, roof) were built with structural insulated panels? What thicknesses of SIPs were used?

WALLS - 6" ROOF - 10"

Comments you would like in a news release on this building?

MANUFACTURER OF SIPs TERMS UP WITH ENERGY PANEL STRUCTURES INC. GREATWORKS IN BROWN CONSTRUCTION, N. SIOUX CITY, SD & MFG ARCHITECTS, SIOUX CITY, IA TO BUILD ENERGY EFFICIENT MODERN CHECKLIST STYLE HOME IN THE WISBANK CREEK ADDITION FOR THE STORVICK STEVEN'S FAMILY. 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 as defined in the SIPA Building Excellence Awards guidelines.

OPTIONAL

- I have enclosed photographs that display different stages of the building project. I have enclosed a floor plan drawing (no larger than 17" x 22" in size). I have enclosed a letter from the building owner regarding the building project. I have enclosed a list of local publications (name and full contact information) for press release distribution. THE SIOUX CITY JOURNAL, 515 PAVONIA ST., SIOUX CITY, IA. 51102

(712) 293-4250

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: Kevin E. Zadow Date: 3-26-10

Entries received that do not contain all required materials will be returned.

Entries received after Friday, March 26, 2010 will not be considered

Complete and return to the SIPA office: P.O. Box 1699 Gig Harbor, WA 98335 For FedEx or UPS Deliveries ONLY: 6659 Kimball Drive NW, D-404 Gig Harbor, WA 98335 253.658.7472

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Entry Number \_\_\_\_\_ Date Received \_\_\_\_\_