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PARTICIPANT INFORMATION

Company Name: **James Andrews Custom Homes, LLC.**

Contact Name: **Matt Mitchell**

Address: **5547 Ridgedale Ave**

City: **Dallas**

State: **TX**

Zip: **75206**

Phone: **214.282.3723**

Email: **mmjach@gmail.com**

Website: **www.jamesandrewscustomhomes.com**

CATEGORY ENTRY (check one category)

☐ Single Family 'Small House' under 900 sq. ft.

☐ 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

☒ High Performance (multiple category entry permitted)

PROJECT INFORMATION

Project Name: **Pecan House on Trammel**

Address: **6538 Trammel Dr.**

City: **Dallas**

State: **TX**

Zip: **75214**

Date completed: **October 2018**

Total cost of project (exclusive of land): **\$420,000.00**

Dimensions of building (all floors of multi-story building):
40' x 60'

Asking price/purchase price (Affordable Housing only):

Total sq. ft. of conditioned space:

2900

BUILT BY (if different than applicant)

Company Name:

Contact Name:

Phone:

Address:

City:

State:

Zip:

PANELS MANUFACTURED BY (SIPA members only)

Company Name: **Noark - R-Control**

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

Company Name: **PDHD Design Studios**

Contact Name: **Carl Gordon**

Phone: **830.459.0264**

Address: **931 N. Edgefield Ave.**

City: **Dallas**

State: **TX**

Zip: **75208**

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:

Single Family Residential Unattached - Spec home

How did SIP construction help you get this job?

This is my first spec home, everything I have done previously has been custom. Given the difficult and tricky nature of reaching the 2015 IECC code in an ethical manner while building with sticks, going with SIPs was a no brainer. If it cost me a hair more to do it with SIPs, that is nothing compared to building a vastly superior house correctly the first time. But I really think it cost me about the same as stick built. The decreased liabilities and call backs are an added benefit as well.

SIP wall thickness and core material: **6 1/2" EPS**

SIP roof thickness and core material: **8 1/4" EPS**

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

It saved a little bit of time. It helped with labor shortages as the framers had not used this material before but it was so easy to assemble it was difficult to put together incorrectly with fewer people. This quickly gave them confidence in the project as a whole. The framers were amazed at how strong and tight the envelope was. As I told them (some of them had 30+ years experience), this is the best house ya'll have ever built and I have the science to back that up.

Describe any innovative design elements or structural engineering involved:

I definitely took advantage of the SIP roof to vault the ceilings. I was able to utilize a 6' long linear electric fireplace as a show piece in the family room. It came out great. People have been impressed with how straight and clean the lines are on this project. SIP really lends itself to contemporary designs so it really helped us beautifully achieve those goals.

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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:

Dallas Green.

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

47

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

1.1

Energy use intensity in kBtu/ft² (required only for High Performance Category and recommended for commercial projects):

49.2 MBtu

Describe the HVAC system used on the project:

A single forced air system by American Standard. 18 SEER. Variable speed condensor. 4 zones. Only requires 2.2 tons of air conditioning as per the manual J.

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)

Windows are a Milguard Vinyl casements. U-value is .27 and the SHGC is .23.

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

Electric Heat pump water heater (10 HPSF) with a convective loop delivery system. Like a recirculating system but uses convection to move the heated water naturally while the system is closed. No need for a recirculating pump that draws energy and eventually has to be replaced. The appliances are energy star rated.

The electric fireplace is capeable of showing flames without generating heat, if desired. Handy for Texas when it is warm out but you want the ambiance of a fire in the fireplace.

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

no solar.

(cont. from above)There is a ERV for fresh air replacement. 65 CFM at 45 watts.

The bath fans have humidistats that turn on automatically when the humidity gets above 60% in the bathrooms and laundry room. They automatically shut off when the humidity gets back down to a safe level.

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Please list any sustainable materials or design features not listed above, such as recycled materials, low-VOC finishes, landscaping, etc. (judged only for High Performance Category):

Any additional comments on the project:

Pecan House on Trammel is an elegant living and entertaining house that gets your more bang for your buck. It is named after the stately pecan tree in the backyard. I brought that concept indoors with a pecan wood mantel over the fireplace, a pecan wood barndoor in the master suite for the closet, and engineered pecan wood floors downstairs. The excellent flow of the layout while bright and light gives this a warm and happy feel. It feels like a warm hug...like home. People feel and comment on this upon entering the home.

This house is well built for an active family with its large back yard (room for a pool with plenty of room to spare) that connects to Dallas' extensive hike and bike trail system. A stroll to the local park and only a 3/4 mile from the mass transit train station.

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

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:

1/10/19

Entries that do not contain all required materials or are received after **January 11, 2019** will not be considered

Complete application and submit electronically to info@sips.org

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



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Panel Association**

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