

Application

PARTICIPANT INFORMATION

Company Name: ENERGY PANEL STRUCTURES
Contact Name: LEE BERGUM
Address: 102 EAST INDUSTRIAL ROAD
City: GRAETTINGER
State: IOWA Zip: 51342
Phone: 800-967-2130
Email: LBERGUM@EPSBUILDINGS.COM
Website: WWW.EPSBUILDINGS.COM

CATEGORY ENTRY (check one category)

- ☒ Single Family Homes (over 3,000 sq. ft.)
☐ Single Family Homes (under 3,000 sq ft.)
☐ Multifamily
☐ Agricultural
☐ Institutional / Industrial / Commercial
☐ Renovations
☐ Affordable Housing

PROJECT INFORMATION

Project Name: RIVER LANDINGS COACH HOUSE
Address: 5942 WEST STATE ROAD 80
City: LABELLE
State: FLORIDA Zip: 33935
Date completed: 1-12-12
Total cost of project (exclusive of land): 225,000
Dimensions of building (all floors of multi-story building):

Asking price/purchase price (Affordable Housing only):

BUILT BY (if different than applicant)

Company Name: RIVERLANDINGS
Contact Name: RICK SMITH
Address: 5942 WEST STATE ROAD 80
City: LABELLE
State: FLORIDA Zip: 33935

PANELS MANUFACTURED BY (members only)

Company Name: ENERGY PANEL STRUCTURES

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

Company Name: DOMAIN ARCHITECTURE AND DESIGN
Contact Name: DEB
Address: 2748 HENNEPIN AVE SOUTH
City: MINNEAPOLIS
State: MN Zip: 55408

Please answer each question with as much detail as possible.
Attach additional pages if necessary.

Describe the end use of the building

CLASS A MOTORCOACH HOUSE. THESE ARE
HOMES THAT RV USERS CAN PULL THEIR COACHES
UP TO AND SPEND THE WINTER MONTHS AT

How did SIP construction help you get this job?

THE ENERGY SAVINGS, SPEED OF CONSTRUCTION, WIND
RATINGS WE ACHIEVED FOR FLORIDA, AND THE QUIET
INTERIOR IT PROVIDES, PLUS THE GREEN ASPECT

Continued

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

SIP wall thickness and core material: 6" EPS

SIP roof thickness and core material:

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

THE SIP PANELS GREATLY SAVED ON LABOR, JOB SITE WASTE, ABLE TO GET END USER CUSTOMER INTO HOME QUICKER, WITH THIS BEING A CLOSE NEIGHBORHOOD THE WALLS PROVIDE A GREAT SOUND REDUCTION PRODUCT ALSO

Describe any innovative design elements of structural engineering involved:

CORNER PATIO DOOR, LARGE RETRACTABLE SCREENS, VAULTED KITCHEN CEILING, TILE FLOORS, 120 MPH WIND RATING, HURRICANE IMPACT GLASS WINDOWS

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

LEED CERTIFIED, FLORIDA GREEN TEAM RATED

HERS Index (residential projects)

55

Blower door test results (ACH50) (residential projects)

Attached

Describe the HVAC system used on the project

ATTACHED IS LIST OF HVAC

Please list any energy-efficient products or design features other than SIPs

HVAC UNITS, 400 SERIES PELLA WINDOWS
EARTHWISE, LOW IMPACT SUN DEFENSE 11/16
INSULATE GLASS

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

LOW VOC FINISHES, TILE FLOORS, HURRICANE WINDOWS

Any additional comments on the project:

VERY EFFICIENT, USER FRIENDLY, ABLE TO OPEN CORNER PATIO DOOR AND ADD 600 SQ FT OF EXTRA LIVING SPACE.

CHECKLIST

- ☒ My company is a SIPA member Panels for this project were manufactured by a SIPA member
- ☒ have answered ALL the questions completely
- ☒ have enclosed the two required electronic images of the completed project meeting the requirements stated in the SIPA Building Excellence Awards guidelines
- ☐ 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: 3-15-12

Entries that do not contain all required materials or are received after March 22, 2012 will not be considered

Complete application and submit electronically to cschwind@gmail.com

Or send hard copy applications to 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
253.858.7472

Lee Bergum

From: Timothy Wallen [kc4ssd@gmail.com]
Sent: Thursday, February 23, 2012 12:38 PM
To: Lee Bergum
Cc: Rick Riverlandings; Deborah Everson; Poplawski, Sean J
Subject: Re: sipa award

To all,

Here is a list of the equipment used in the model buildout. The AC equipment used is Tempstar brand which is a division of United Technologies who makes Carrier, Bryant, Tempstar, Payne and about 20 others. The unit is 2 ton and 16 Seer energy star rated. A whole house air filtration with UV light was also installed as well as outside air with AirCycler control.

Tempstar Air handler FXM4X2400AT S/N A114668455
Tempstar C/U T4A624GKD S/N E112424191
Panasonic Whisper Quiet FV-08VKM2
ICP Heat strip 5KW EHK05AKN1 S/N V114581387
Sanulox UV Light BST24G4BM S/N 133432
Whole house filter Aprilaire 2310 S/N na
Air cycler control model through Johnstone supply X82-300 S/N na
Damper for air cycler FAD-6 S/N na
Dehumidifier not specified per Rick, all associated hardware pre-installed if needed.
Hurricane anchor kit Anchor in a storm model P/N 94007001

Any other questions just ask!

Thanks,

Tim Wallen

AIR CONDITIONING
by
COMMERCIAL

RESIDENTIAL AIR CONDITIONING
COMMERCIAL A/C & REFRIGERATION
ROTOBRUSH DUCT CLEANING AND SANITIZING

Timothy J. Wallen



KC4SSD@GMAIL.COM WWW.AIRBYCOMMERCIAL.COM
(239) 566-3999 FAX (239) 596-3903
5739 WASHINGTON STREET NAPLES FLORIDA 34109



Thursday, February 09, 2012

Attn: Pat

5942 State Road 80, West Labelle, FL 33935

612-697-4260

Air Conditioning Duct Rated Performance

Avg. Ceiling Height Sq. Ft. Under Air

DUCT AIR TIGHTNESS OUTSIDE TEST

Blower Door Along with Duct Blaster. Blower Door brought up to 25pa wrt outside. No open fan on D Blstr

RETURN-Ring size.....(example: 1,2,3)----->
 Fan pressure from "A" side----->
 Fan Flow from back of book----->
 SUPPLY-Ring size.....(example: 1,2,3)----->
 Fan pressure from "A" side----->
 Fan Flow from back of book----->

CFM25 OUT----->
 RESULTING in a Qn OUT of----->

BLOWER DOOR TEST

Volume: 8578.5 Cubic Ft.

Avg, wind speed:

Indoor Temp:

Outdoor Temp:

House Pressure	Fan Pressure	Ring	Flow Rate (CFM)
15		B	468
20		B	573
25		B	727
30		B	882
35		B	1000
CFM50:	267.00	ACH50:	1.87
	C: 24.1	N:	0.615
Aprox Sq. Ft. Hole leak size:	0.24	R:	1.000
(ACHest) Est. Natural Air Changes per hr:	0.05		
(CFMest) Est. Natural Infiltration in CFM:	6.68		

Noah Blanco 239-292-4213 nblanco.flgreenteam@gmail.com

TOTAL DUCT TEST

Duct Blaster set up to 25pa.....

RETURN-Ring Size (ex. 1,2,3)----->

1

Fan pressure from "A" side----->

25

Fan Flow from back of book----->

89

SUPPLY-Ring size (ex. 1,2,3)----->

1

Fan pressure from "A" side----->

25

Fan Flow from back of book----->

91

CFM25 TOTAL----->

90.0

RESULTING in a Qn TOTAL of----->

0.0997



Noah Blanco 239-292-4213 nbianco.flgreenteam@gmail.com

"THE BEST TEST, WIKI THE BEST GUESS"


Additional Air Conditioning System or Duct System Performance Comments:

Flow tests: Supplies: Liv 1-168 Liv 2-121 Kit-107 Liv Ret-498 Bath-42 Bd-193
Bd Ret- 160 Garage-97

400 Series Earthwise Windows

		400 Casement Lindsay Window 942-625-4579 Catherine Group 140, 148 GA / 143, 191, GA 400 - C40 LOP - 2 58 76 Casement Window
ENERGY PERFORMANCE RATINGS		
U-Factor (U5A-P) 0.27	Solar Heat Gain Coefficient 0.30	
ADDITIONAL PERFORMANCE RATINGS		
Visible Transmittance 0.52		
<small> Performance ratings and label ratings obtained by applicable third procedures for product lines which received Energy Star® ratings are also obtained by a third party and are not guaranteed. All ratings are based on test data. Actual results may vary. Product line does not guarantee the availability of the product for any specific date. Contact manufacturer's distributor for other product performance information. </small>		

440 Fixed Casement



Lindsay Window

802 • 626 • 6278

3400 Picture Window (3400 - PW)

CON • 6875

Fixed Window

ENERGY PERFORMANCE RATINGS

U- Factor (U.S.M. - F) 0.28	Solar Heat Gain Coefficient 0.34
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ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance

0.59

Manufacturing standards and design values required to be available in the application for financing and
 product performance. Other ratings are determined by a third set of environmental performance and
 quality control data. All data must be consistent and verified and must be available for availability of any
 other data for any specific use. Contact us for more information on our products and services.

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SB 70 Glass • Argon • Super Spacer • No Grids

TEMPSTAR®

Heating and Cooling Products



TXA6

SmartComfort™ TX 5600
Product Specifications

HIGH EFFICIENCY 16 SEER AIR CONDITIONER ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland Scroll™ compressors on all models
- Filter-Drier supplied with every unit for field installation
- External high and low refrigerant service ports
- Copper tube / aluminum fin coil
- ^48 and ^60 models for higher SEER, lower capacity
- ^49 and ^61 models for higher capacity, lower SEER

PERFORMANCE

- 2-speed Fan Motors factory wired on all models
- Compressor Sound Jacket standard

EASY TO INSTALL AND SERVICE

- Comfort Alert™ Diagnostics device on all models
- Easy Access service valves on all models
- Innovative control box design
- High and Low pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection
- Corner Posts for extra strength and style

WARRANTY*

- 5 year No Hassle Replacement™ limited warranty
- 5 year compressor limited warranty
- 5 year parts limited warranty (including compressor and coil)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.

Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)
TXA618GKA	1½	18,000	11.6	20	28-5/16 x 31-3/16 x 31-3/16 (719 x 792 x 792)	183 / 147 (83 / 67)
TXA624GKA	2	24,000	17.7	25	28-5/16 x 31-3/16 x 31-3/16 (719 x 792 x 792)	183 / 147 (83 / 67)
TXA630GKA	2½	30,000	16.8	25	32-5/16 x 31-3/16 x 31-3/16 (821 x 792 x 792)	188 / 153 (85 / 69)
TXA636GKA	3	36,000	18.1	30	28-5/16 x 35 x 35 (719 x 889 x 889)	204 / 165 (93 / 75)
TXA642GKA	3½	42,000	23.6	40	39-1/8 x 35 x 35 (994 x 889 x 889)	254 / 213 (115 / 96)
TXA648GKA	4	48,000	26.1	40	39-1/8 x 35 x 35 (994 x 889 x 889)	317 / 264 (144 / 120)
TXA649GKA	4	48,000	28.4	40	39-1/8 x 35 x 35 (994 x 889 x 889)	269 / 231 (122 / 105)
TXA660GKA	5	60,000	28.0	40	45-15/16 x 35 x 35 (1167 x 889 x 889)	310 / 272 (141 / 123)
TXA661GKA	5	60,000	32.5	50	45-15/16 x 35 x 35 (1167 x 889 x 889)	310 / 272 (141 / 123)

Specifications subject to change without notice

421 21 6300 00 June 2010



LEED Environmental Category*	Maximum Possible Points**		
	NC	Schools	CS
ENERGY AND ATMOSPHERE	35	33	37
Minimum Energy Performance	-	-	-
Optimize Energy Performance	19	19	21
MATERIALS AND RESOURCES	14	13	13
Construction Waste Mgmt	2	2	2
Recycled Content	2	2	2
Regional Materials			
INDOOR ENVIRONMENTAL QUALITY	15	23	12
Minimum Indoor Air Quality Performance	-	-	-
Increased Ventilation	1	1	1
Controllability of Systems - Lighting	1	1	N/A
Controllability of Systems - Thermal Comfort	1	1	1
Thermal Comfort - Design	1	1	1
Daylight and Views - Daylight	1	3	1
Daylight and Views - Views	1	1	1
Enhanced Acoustical Performance	N/A	1	N/A
INNOVATION IN DESIGN	5	4	5
Innovation in Design	5	4	5
REGIONAL PRIORITY			
Regional Priority	4	4	4

*Source: LEED Reference Guide for Green Building Design and Construction - 2009 Edition (www.usgbc.org)

**NC = New Construction, CS = Core and Shell