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PARTICIPANT INFORMATION

Company Name: Innovate Eco Building System, LLC

Contact Name: Jerry Gillman

Address: 3300 NW 110th Street

City: Miami

State: Florida

Zip: 33167

Phone: 305 455 7707

Email: jerry@innovaecbs.com

Website: www.innovaecobuildingsystem.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: Penguin Exhibit - Miami Seaquarium

Address: 4400 Rickenbacker Causeway

City: Key Biscayne

State: Florida

Zip: 33149

Date completed: 12/2015

Total cost of project (exclusive of land): +/- \$250,000

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

Single story building with an elevated floor system. 775sf under air, 3000sf total exhibit area under canopy.

Asking price/purchase price (Affordable Housing only):

N/A

Total sq. ft. of conditioned space:

775 sf

BUILT BY (if different than applicant)

Company Name: Naumann Nature Scapes, Inc.

Contact Name: Roiger Naumann

Phone: 321-544-3377

Address: 1605 North River Drive

City: Cocoa

State: Florida

Zip: 32922

PANELS MANUFACTURED BY (members only)

Company Name: Innova Eco Building System, LLC.

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

Company Name: Amerisque Engineering, Co.

Contact Name: _____

Phone: 305 551 4136

Address: 13841 SW 11th Street

City: Miami

State: Florida

Zip: 33184

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:

Naturescape Exhibit @ the Miami Seaquarium Penguin Exhibit which houses live Penguins in a natural setting.

How did SIP construction help you get this job?

The project designer required a building system that was energy efficient, easy to erect and NOA approved for the Dade County 180 mph coastal impact hurricane zone 5.

SIP wall thickness and core material: 6 3/4" HIP MGO SIP wall panels with EPS Cores

SIP roof thickness and core material: 8 1/2" plywood / MGO roof panels with EPS cores

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

The MGO SIP panels provided a highly energy efficient insulated structure using floor, wall and roof SIP. The exterior SIP wall panels were painted with exterior grade paint requiring no other finishes for the exterior. The interior side of the MGO wall and roof panels were taped and finished like drywall requiring no furring, drywall or other finishes saving the project owner time and money.

Describe any innovative design elements or structural engineering involved:

The SIP floor panels are installed on a steel frame that elevates the floor system to the height of two large 2500 gallon tanks that allows the Penguins easy access to exit the large swim tanks unto the SIP floor system.

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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:

None

HERS Index (residential projects): N/A

Blower door test results (ACH50) (residential projects): N/A

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

Describe the HVAC system used on the project:

5 ton Trane package unit

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.

The complete building envelope including the floor, walls and roof are SIP. There are no windows in the project, however there are two large glass tanks (2500 gallons each). The SIP wall panels are designed at the tanks with opening to allow viewing of the Penguins when swimming in the tanks.

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

None

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

None

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

MGO Floor plates and window bucks were utilized in lieu of wood. Panel connections were designed using the "Innova Spline" a patented MGO surface spline. All lumber used in the project was borate treated lumber.

Any additional comments on the project:

The interior finishes of the building was designed by Naumann Naturescapes as a natural rocky coastline resembling the natural habitat of Penguins.

The rock scape shotcrete material and artistic painting was applied directly to the interior face of MGO SIP.

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: _____

1/5/16

Date: _____

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**

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