

## SIPA Building Excellence Application (Page 1 of 4)



### PARTICIPANT INFORMATION

Company Name: Innova Eco Building System, LLC.

Contact Name: Jerry Gillman

Address: 3300 NW 110th Street

City: Miami

State: FL

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: Sugar Mills Villias

Address: Plot 295, Estate Barren Plot, Kings Quarters

City: US Virgin Islands

State: St. Croix

Zip: 00850

Date completed: 11/15

Total cost of project (exclusive of land): \$4.5 million

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

30 each 2 br 2 bath SFH- 1150sf living area, + 120sf patio + 70 SF storage  
3 each 4 BR 2 bath SFH – 1300sf living area + 120sf patio + 70 SF storage  
1 each Clubhouse / Managers Unit – 1700 SF + 70 sf Storage

Asking price/purchase price (Affordable Housing only):

Homes are owned by VI Housing Authority under PPP Agreement with the project developer (Rent Assisted Living)

Total sq. ft. of conditioned space:

Total Square feet of living area 40,100 sf

### BUILT BY (if different than applicant)

Company Name: Burke Construction Group

Contact Name: Tony Burke

Phone: 305 465 6604

Address: 10145 NW 192 Street

City: Miami

State: FL

Zip: 33172

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

Contact Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**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:

St. Croix Housing Authority Low Income Housing (Rent Assisted Living)

How did SIP construction help you get this job?

Due to the hot, humid, high moisture, termite infested environment on the Island, the PPP Developer was looking for a low maintenance alternative to typical construction. The energy efficiency of SIP and the high cost of electrical power on the island (\$0.58 KW) had already interested them in a SIP product. MGO performance in high moisture conditions, coupled with the ability to provide MGO SIP interior walls and eliminate over 90% of wall cavity space found in a typical home constructed with conventional means and products was a major advantage.

SIP wall thickness and core material: 4 3/4" EPS Cores

SIP roof thickness and core material: 6 3/4" EPS Cores

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

MGO SIP interior and exterior walls and roof panels saved time and money as the panels were taped and finished like drywall, then painted requiring no additional finishes such as exterior siding and / or interior drywall. These steps of the construction process were eliminated by using the InnovaPanel™, a High Impact Rated MGO SIP Panel)

Describe any innovative design elements or structural engineering involved:

The project utilized an MGO / MGO roof panel with an Sherwin Williams Elastomeric Roof Coating System that was applied directly to the panel. Sherwin Williams provides a 10 and 20 year warranty option over the MGO SIP roof panel.

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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:

Non applied for

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HERS Index (residential projects): No AC system utilized for this project

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Blower door test results (ACH50) (residential projects): None

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

Describe the HVAC system used on the project:

Due to the High Cost of electrical power (\$0.58 KWH) AC is not common on the Island. Exhaust fans and ceiling fans were utilized to satisfy the Building Code Ventilation requirements.

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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.

Energy Star rated exterior metal clad doors, Impact Rated windows by Lawson U=1.01, All appliances were energy star rated (stove, refrigerator, dishwasher, microwave, washer and dryer)

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

A solar hot water system was utilized fro all homes. All applicances are energy star rated.

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

All houses and clubhouse (34 in total) have a 3 KWH PV System in addition to the How Water system

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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 Floorplates were used on a poured in place concrete slab on grade eliminating wood in contact with concrete. All interior and exterior walls, and roof panels are manufactured as MGO SIP. A Sherwin Williams paint finish was applied directly to the interior and exterior SIP panels eliminating the need and cost of alternate finish systems such as drywall and exterior siding.

Any additional comments on the project:

Temperatures for St. Croix average between 80 and 90 degrees depending on the time of the year. It was noted that during peak summer temperatures of the mid 90's, the average completed home interior temperatures was 15 to 20 degrees lower and offered a very comfortable living environment without any ac. The comfort of the homes is due to the energy efficiency of the SIP system and proper ventilation. The housing authority was very pleased with the performance of these low income homes.

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

January 14, 2016

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](mailto: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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