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Structural Insulated Panel Association
2017 SIPA Building Excellence Awards
Award Categories

• Agricultural
• Commercial/Industrial/Institutional >10,000 sq. ft.
• Commercial/Industrial/Institutional < 10,000 sq. ft.
• Multifamily
• Affordable Housing
• Single Family Homes > 3,000 sq. ft.
• Single Family Homes < 3,000 sq. ft.
• Renovations
Awards

• Winner for each category
• Runner-up for each category (optional)
• Honorable Mentions (optional)
• Overall Winner
• Overall Runner-up
Judging Criteria

• Energy efficiency
  • quantified by HERS Index and other data

• Design & structural engineering innovation

• Creative use of SIP construction

• Environmental sustainability
Judges

Shilpa Sankaran
Executive Director
Net-Zero Energy Coalition

Chris Fennell
BuildingInsight, LLC

Archie Landreman
Regional Director North Central at WoodWorks
Agriculture
West River Vet Clinic
Enercept

The SIPs installation went quickly considering the number of design details; the building was holding heat well with two temporary electrical units so finish work could be completed over the Winter.
SIPs saved time and reduced the amount of labor to erect walls; 5 guys had walls erected in roughly 30 hours; roof, 5 guys had roof placed in roughly 20 hours. SIP construction also helped with very low material waste on job site.
Commercial
Industrial
Institutional

>10,000 sq. ft.
The post and beam married well with SIPS construction, especially with the high vaulted ceiling areas. Additional benefit of SIPS was faster enclosing of the Timber Beam structure thus limiting the exposure of the timbers to damaging weather.
Commercial
Industrial
Institutional
<10,000 sq. ft.
Using SIPs reduced construction time. The exterior walls were framed, sheathed and insulated in four days with only four men.
Timber frames were enclosed more quickly both protecting the timbers and saving labor costs. Olivier Barn was designed to create intimate performance space and the pitched roof creates an elevated, ethereal sound. The timber frames were designed for a true rustic impression.
Multifamily

No entries were submitted
Affordable Housing
Modernista House
Innova Eco Building System

We proposed to offer an energy efficient, affordable, beautiful home using a modern design with high ceilings (12 ft in the main living area and 10 ft in the bedrooms). Using a Miami Dade approved MgO SIP provided a unique advantage to this job due to its hurricane resistance rating.
SIPs met the criteria of quality, energy efficiency, and value that were the pillars of the project's goals from the onset. Recommending SIPs was a no-brainer in the final result. SIPs have proven to be a great fit offering a positive example to the surrounding community.
Single Family Homes
> 3,000 sq. ft.
SIPS are the key to tight, energy efficient construction, without the thermal bridging and on-site labor issues required by conventional stick-framed construction. SIPS also allow our entire roof to be installed and dried in within a single day of work.
SIPS were used for the end walls of the 48 foot long x 27 foot wide Great Room, which eliminated two of the large timber frame bents typically used on this type of hybrid timber frame.
The Innova HIP MgO SIPs used on this home is Dade County approved and tested at wind speeds that exceed 240 MPH. The performance of this home when subjected to tornado force winds demonstrates the substantial and superior strength of homes constructed with this building system.
Single Family Homes
< 3,000 sq. ft.
Justin Residence
Extreme Panel Technologies / Stinson Builders

Built with NO RIDGE BEAMS -- There was no other product that could structurally work with this design and provide the opportunity to become a net zero home. The contractor said doesn’t know how he would have figured all the compound angles in the home without SIPs.
The small home was built to the maximum length, width, and height of the lot allowances in accordance with the subdivision's restriction. The rigidity of the SIPs walls allowed us to safely cantilever over the front of the house and contributed to the esthetics of the architectural design elements.
Quail Construction is an experienced SIPs Builder and uses this experience to help sell their customers on using SIPs to get all the advantages that go along with SIPs construction.
Renovations
Peace Church
Energy Panel Structures / Knutson Construction

SIPs saved time. SIPs panels allowed for an open ceiling space design and provided a well insulated roof. Insulation qualities of SIPs and use of jumbo window panes supports lower energy costs, and saved on labor costs.
Panama City Beachfront Reno
Innova Eco/Jim Cofer Homes

Project was located on a beach with grandfathered setbacks. If house was torn down, a smaller house would have to be built to comply with the new setbacks. The Innova MgO Retro-SIP panel allowed the panels to be fastened directly to the existing walls after the existing stucco was removed.
Overall Winner
Parfitt Residence
Premier Building Systems / CVH Builders

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Justin Residence
Extreme Panel Technologies / Stinson Builders

Built with NO RIDGE BEAMS -- There was no other product that could structurally work with this design and provide the opportunity to become a net zero home. The contractor said doesn’t know how he would have figured all the compound angles in the home without SIPs.