



Seaport Pier

Seaport Pier



Participant information

Enercept, Inc.
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Watertown, SD 57201

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Category

Commercial/Industrial/Institutional Buildings over 10,000 sq. ft.

High Performance: No

Project information

Seaport Pier
22nd St & Boardwalk
Wildwood, NJ 8260

Date Completed: June 2018

Total cost of project (exclusive of land): n/a

Dimensions of building (all floors of multi-story building): 89' x 200'

Asking price/purchase price (Affordable Housing only): n/a

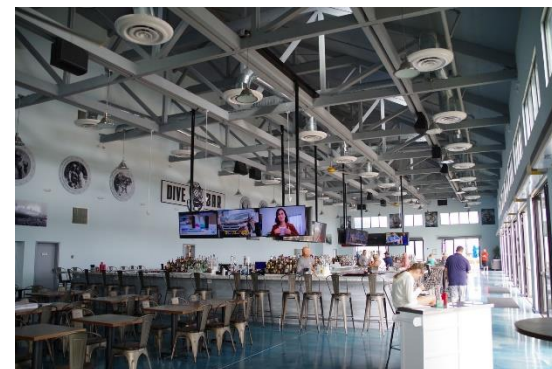
Total sq. ft. of conditioned space: 17,828 sq. ft. main level; 5,948 sq. ft. second level
(23,776 sq. ft.)

Built By (if different than applicant)

JB Richards Construction
Joe Byrne, Lee Rossner
9310 Keystone St
Philadelphia, PA 19114

Panels Manufactured By

Company Name (members only): Enercept, Inc.



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Designed By (if different than applicant - SIPA will only recognize members)

Lighthouse Architecture LLC

Peter J Porretta, AIA

200 S Broad St; Ste 920

Philadelphia, PA 19102-3850

Total sq. ft. of conditioned space: 17,828 sq. ft. main level; 5,948 sq. ft. second level (23,776 sq. ft.)

Describe the end use of the building: Seaport Pier is a year-round multi-purpose venue for regional and tourist guest of North Wildwood, NJ. There are two beach bars, one cafe, a swim club and a police office that call Seaport Port Pier home.

How did SIP construction help you get this job? Although SIPs were not selected in the original planning of Seaport Pier, they were added in the design phase for several reasons which include the ability to span 15' without additional framing, the ability to use the existing wood frame pier without modification and the alignment with the building timeline.

SIP wall thickness and core material: non-SIP wall 13,000 sq. ft.

SIP roof thickness and core material: 10" SIP roof with EPS solid core insulation 16,512 sq. ft.

Describe the benefits of using SIPs on this project. Did SIPs help save time, labor, construction costs, or energy? Using SIPs enable them to expose the roof trusses, to increase truss spacing and mimic heavier timber construction. They were also able to build more quickly and easily meet the 2015 energy code requirements.

Describe any innovative design elements or structural engineering involved: Seaport Pier was designed to align the truss system with the wood-frame pier pile spacing. Dormered windows were included in the roof design to maximize natural light from the outdoors.

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: n/a

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

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

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

Describe the HVAC system used on the project: Seaport Pier is heated with a rooftop natural gas, forced air system.

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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 U or R-value of any insulation materials. (judged only for High Performance Category) n/a

Please list any energy-efficient products or design features, such as lighting, hot water heating, appliances, passive solar (judged only for High Performance Category): The main area of the Pier opens up for natural air movement which allows the cool ocean breezes to keep the interior comfortable limiting the use of mechanical air conditioning.

Were any solar panels installed on the project? If so, indicate the size of the system (judged only for High Performance Category): No

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): They were able to restore and reuse the original pier boardwalk decking and supports. The roof is finished with a cool, reflective, blue metal roofing material that enhances the aesthetics of the Pier and Ocean scene.

Any additional comments on the project: This construction project brought new life to the once-foreclosed and vacant Seaport Pier. At fourteen and a half feet above sea level, the building plans adhere to the most stringent codes for beachfront development. All elevation, wind, and flood plain guidelines have been met according to both local and state code requirements. Builder, Lee Rossner said, "This was our first project with Enercept [SIPs] and the experience was great. Enercept provided detailed support and the product was erected quickly and safely in a challenging environment at the Jersey Shore..."

Exterior front view

Seaport Pier



Exterior front view

Seaport Pier



Aerial view

Seaport Pier



Construction view

Seaport Pier



Interior view

Seaport Pier

