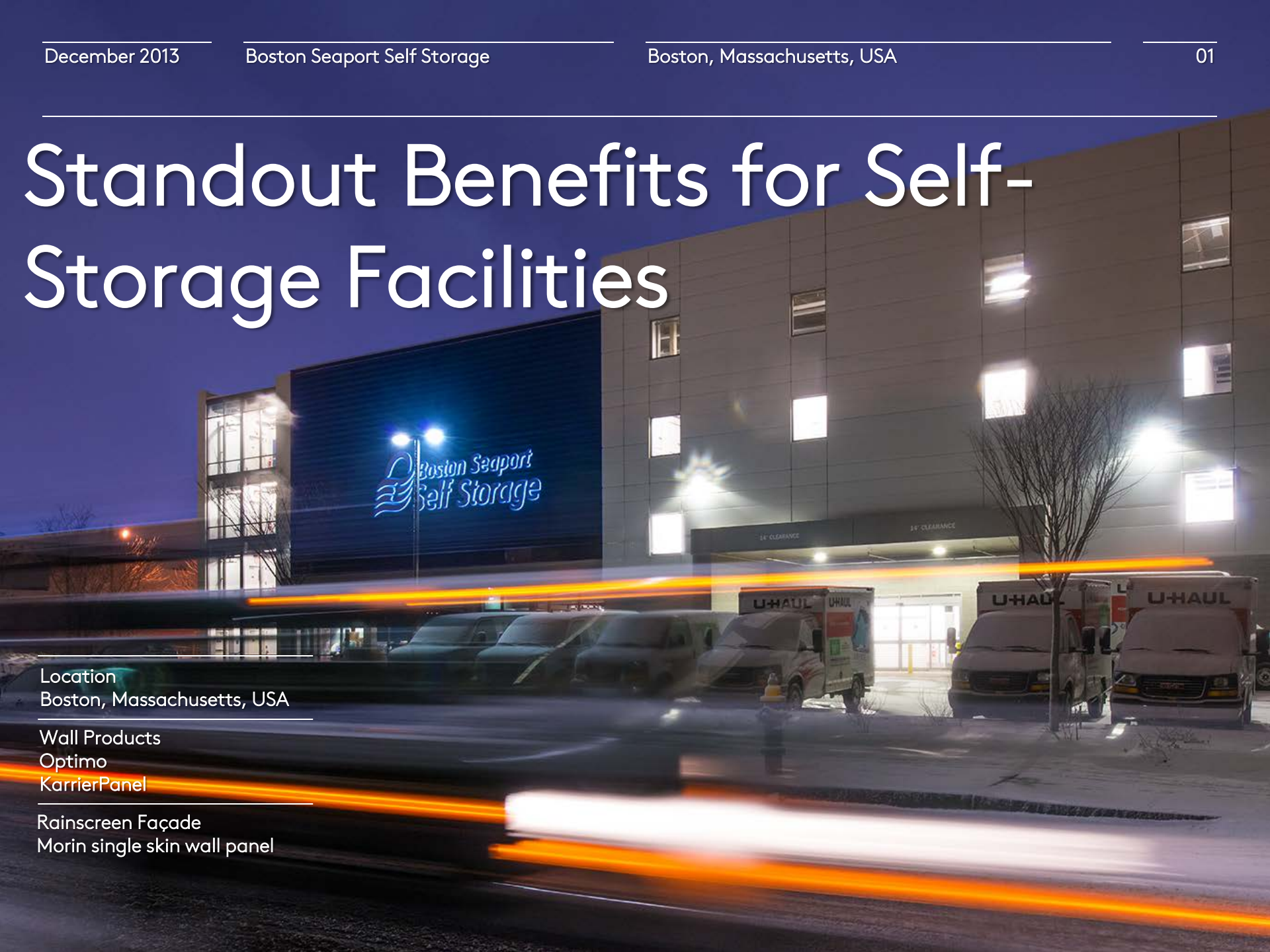
Standout Benefits for Self-Storage Facilities



Location
Boston, Massachusetts, USA

Wall Products
Optimo
KarrierPanel

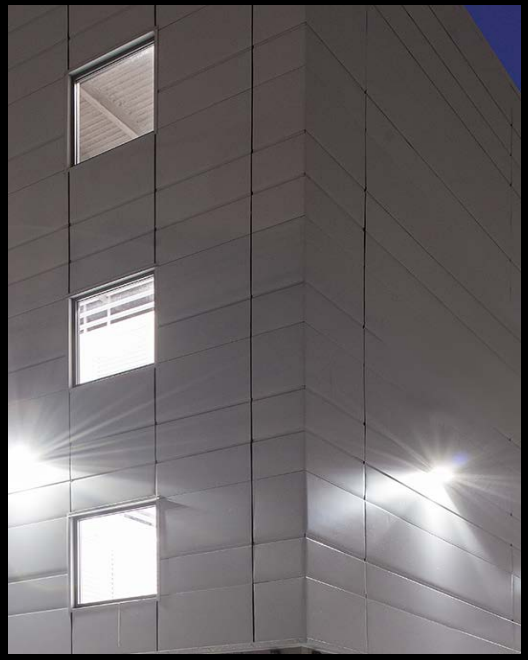
Rainscreen Façade
Morin single skin wall panel

Overview

Conroy Development commissioned Group One Partners, a prominent northeast architectural firm, to design a 100,000-square-foot modern self-storage facility in Boston's Seaport District. Led by Antonino Donato AIA, LEED AP, the design team created Boston Seaport Self Storage, a 4-story facility with almost 1,000 units of self-storage space that are equipped with state-of-the-art technology, secure access, and a climate controlled environment.

Kingspan's Optimo insulated metal panel was specified to enclose the Boston Seaport Self Storage for two primary reasons. To withstand the often-frigid Boston weather, the energy performance of the selected cladding had to be excellent.

Design flexibility was also of prime importance to make this facility stand out in comparison to the many conventional self-storage structures already operating in this market.



Wall Product

Optimo
KarrierPanel

Shipshape on Storage

Business Challenge:
Conroy Development wanted Boston Seaport Self Storage, constructed in the heart of South Boston, to have as many sustainable features as possible.

Kingspan Solution:
For the building envelope, Optimo was specified. This single component insulated metal panel (IMP) product allowed faster on-site installation compared to multi-part foam insulated panels. That minimized construction delays and also the need for multiple trades, thus saving the design team and owner substantial installation costs. Optimo also provided Boston Seaport Self Storage with a modern look while reducing the building's overall demand for energy.

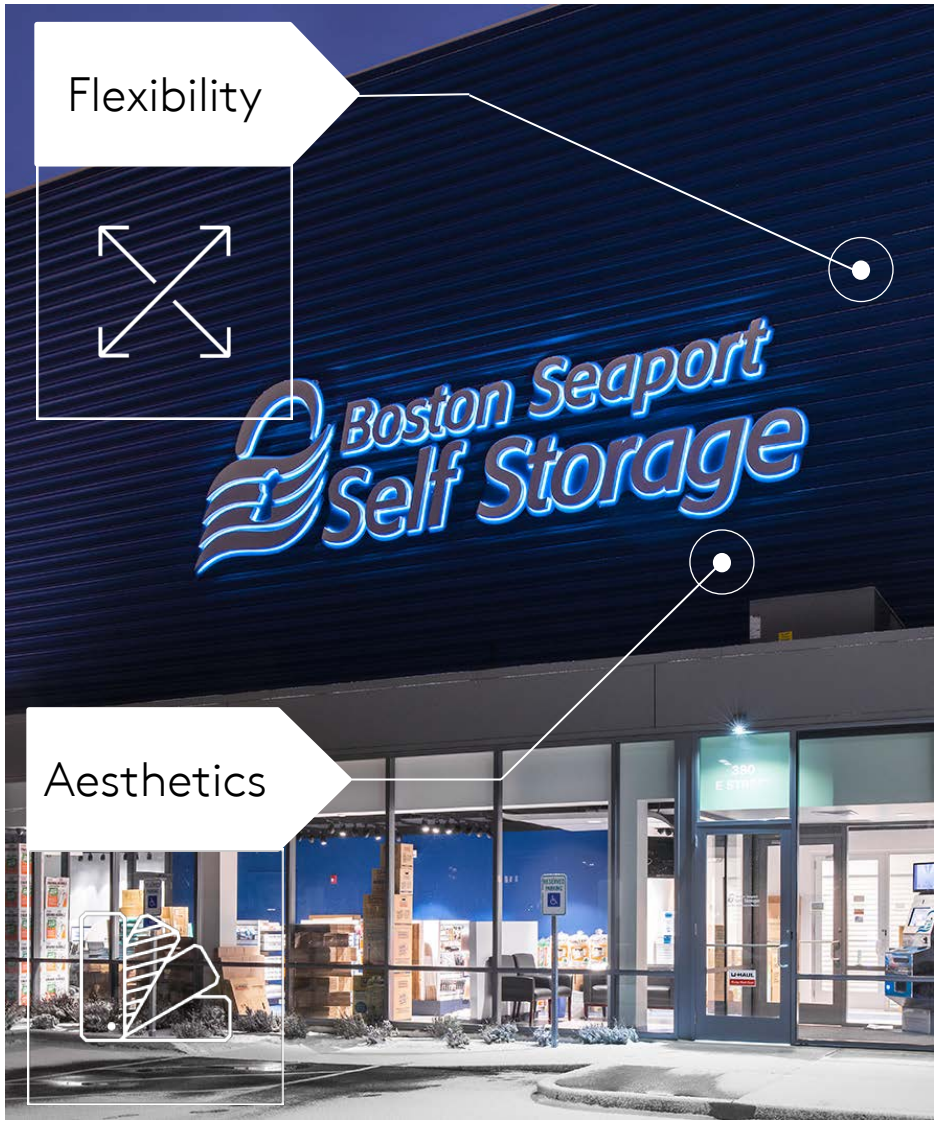
A Kingspan KarrierPanel barrier wall system was used behind the corrugated Morin single skin metal wall panel.

The ‘Wow’ Factor

Architectural Benefits:
Optimo is a prime choice to specify for use in a wide array of design styles because they can be used for both vertical and horizontal wall applications. This allows architects real flexibility in design.

A popular choice for new and retro fit projects, Optimo can be value engineered with thermal and structural properties to make it adaptable for many applications. To give a structure that standout ‘wow’ factor, the impressive appearance of Optimo greatly increases a building’s curb appeal.

Contractor Benefits:
Because these IMPs weigh only three pounds per square foot, transport costs and installation energy were also decreased. IMPs ease the critical path of construction, as they are easier to detail and attach, which tightened the build schedules and lessened installation errors.



The Look of Success

Installation Benefits:
The KarrierPanel barrier wall system is a much more time efficient alternative to traditional, multi-part facade systems. It allows a structure to be quickly enclosed to ensure air and water tightness. Once installed, this system provides excellent building envelope performance with a high R-value, and airtightness with an air, water and vapor barrier.

Owner Benefits:
Conroy Development was able to achieve its goal of constructing a building with many sustainable features that would supersede any other self-storage business in Boston. Today, with Kingspan IMPs, Boston Seaport Self Storage does indeed stand out in comparison to other self-storage facilities in appearance, and thermal performance.

Kingspan's IMPs also last as long as the service life expected of a standard commercial building and offer multiple end-of-life reuse options.

Contact

For more information on the products used in this project, please email

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