

A Modern Look For an Aging County Courthouse



Location
Manchester, New Hampshire, USA

Wall Products
KarrierPanel

Rainscreen Façade
Granite

Overview

The original Hillsborough County Superior Court North building in Manchester, New Hampshire had outlived its usefulness. It needed a gut renovation, an asbestos abatement — and a facelift of sorts.

The facility at 300 Chestnut Street reopened in October 2011 following an extensive 15-month gut renovation and reconstruction. The \$15.4 million project resulted in a “modern, dignified building” that came in almost \$3 million under budget, government officials wrote in a news release at the time.

The KarrierPanel barrier wall helped create a high-performance envelope that combined impressive R-values with low thermal bridging and superior airtightness.



Wall Product KarrierPanel



Combining the Old With the New, Stylishly

Business Challenge:

"The existing facility, when measured against current civic design standards, was cold, stark, and unapproachable," described John Harper, AIA, Senior Associate for Lavallee Brensinger, the architectural firm that handled the project redesign.

Kingspan Solution:

The KarrierPanel barrier wall system, which consists of insulated metal panels and an integrated rail, was an important component of the renovated courthouse.

Workers added a glass curtain wall, while some of the building's original 5-inch-thick granite veneer panels were repurposed to form the front plaza.

The remaining granite panels stayed in place, seemingly complicating the installation of a new, high performance exterior envelope system. Yet the KarrierPanel system proved to be the best and most efficient solution in terms of time, labor, and cost.



Better, Inside and Out

Architectural Benefits:

"Lavallee Brensinger Architects' design for the renovation of the building transforms the interior, exterior, and site to create a facility that meets contemporary court standards, and expresses a refreshed, reserved, and friendly civic presence," the architectural firm writes on its website.

Use of the KarrierPanel system played a key part in this stylish renovation. The project, which won an AIA award for Excellence in Architecture.

Contractor Benefits:

John Harper said there were several benefits for specifying these Kingspan products. "They provided not only a high performance envelope system but an air and vapor barrier system," he said. "The other benefit was cost — in that we got an exterior envelope and air vapor barrier, assembled quickly and efficiently and for minimal cost."



Modern and Energy Efficient

Installation Benefits:

John Harper also said, "By being able to leave the existing granite veneer in place, we did not have to absorb the cost or schedule impact of removal, storage, potential damage and reinstallation. Installing the panels quickly also allowed us to minimize winter heating costs."

Owner Benefits:

Built on Kingspan's KarrierPanel system, Hillsborough County now has a more modern and energy efficient facility.



Contact

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

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