

CPI DAYLIGHTING SOLUTIONS

Bi-Color Design

Owner:

Queens Place Recreation Centre

Architect:

WHW Architects, Halifax, NS

General Contractor:

Maxim Construction, Dartmouth, NS



Bi-Color Design - Offering a Unique Aesthetic and Customized Solar Performance

The newest “billboard” in Liverpool, Nova Scotia, is void of images, but communicates a real message. Clad in 10,000-sq.ft. of CPI Daylighting’s Quadwall®, the 75,000-sq.-ft. Queens Place is a symbol of renewal for a town that has seen its share of tough economic times.

The 300-ft.-long Quadwall that graces the face of Queens Place was backlit during this year’s Nova Scotia Music Week to literally glow from the inside out and portray the town’s rebirth to the rest of the province.

“This building was chosen to be a real boon for the community. They wanted to feature it prominently, as if to say, ‘We’re still here. We’re investing in our community,’” said architect Joe Zareski, WHW Architects/GENIVAR, Halifax, Nova Scotia. “It has put the community back on the map.”

The building’s NHL-sized ice rink, three basketball courts, state-of-the-art fitness center and indoor walking track all benefit from the Quadwall’s glare-free, natural daylight and high insulation R-value of 4.4. The Quadwall is void of caps and extruding structural steel and maintains its flush, seamless look even with non-operable, vision-glazing windows interspersed into the curtainwall.

“It looks like a long sheet of Quadwall that’s not interrupted,” said Zareski. “Where the panels connect, there’s

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no vertical cap every two feet and the H-channel is hidden inside so you don't see it. The building looks crystalline.”

The Quadwall system is an assembly of two independent translucent insulated panels, resulting in one integrated, high-performance daylighting system. Quadwall provides indefinite building envelope protection with its RST - Removable Exterior Technology glazing feature. Scalable, the Quadwall system can be configured with additional insulation, Class A fire-rated roof assembly, sound reduction, dynamic shading, additional structural performance or even military forced entry resistance. Joined by a mechanically interlocking connection, the dry-glazed Quadwall system eliminates the need for vulnerable adhesives, adding durability, as well as even light distribution with the system's patented tight-cell technology.

Specified in Bi-Color, clear matte over bronze to match the building's exterior, the Quadwall features the name "Queens Place" in opaque letters near the entrance and is visible both day or night.

"The CPI Daylighting wall panels have created a unique aesthetic for Queens Place Emera Centre," said Kathleen Rafuse of the Region of Queens municipality. "They provide an open and inviting atmosphere that allows natural light to highlight the features of the building."

CPI Daylighting pioneered the use of polycarbonate translucent panel systems for architectural use in 1980. Today, CPI continues to offer new and innovative daylighting products, including skylights, wall lights and canopies for any commercial, industrial and institutional application, with complete services from manufacturing to design and installation. CPI products enhance the sustainability of any high-performance building project through daylight transmission levels, optimized insulation values, thermal performance and recycled content.

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