



Photo by Ema Peter

## Project Overview

### Project:

Grandview Heights Aquatic Centre

### Location:

Surrey, BC, Canada

### Architect:

HCMA Architecture + Design

### General Contractor

Parker Johnston Industries Ltd.

### Product:

UniQuad®

### Sq.-Ft.

12,700 sq. ft.

## Grandview Heights Aquatic Centre

CPI Daylighting's UniQuad® Assembly Helps Grandview Heights Aquatic Centre Maintain Uniform Daylight, Minimize Glare for Competing Athletes

A training facility and key venue for regional and national competitions, the 94,180-sq.-ft. Grandview Heights Aquatic Centre in Surrey, BC, was designed to accommodate world class athletic performance in every way - even down to its translucent facade, specified to minimize glare that allows the athletes to focus solely on their training.

Completed in March 2016, the \$55 million project features 12,700-sq.-ft. of CPI Daylighting's UniQuad® translucent wall glazing assembly, earning the

Centre its "Grandview" name. Working in tandem with a glass view zone at the base of the building, the daylighting zone, or UniQuad system, helps the iconic civil building maintain a stream of soft, natural, and uniform daylight across the arena clad with three large pools.

The UniQuad system minimizes glare while simultaneously moving daylight far into the space, and contributes to the project's quest for LEED certification, featuring a U-value of .23 (U.S.) and an

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**Melissa Higgs**

Associate

HCMA Architecture + Design

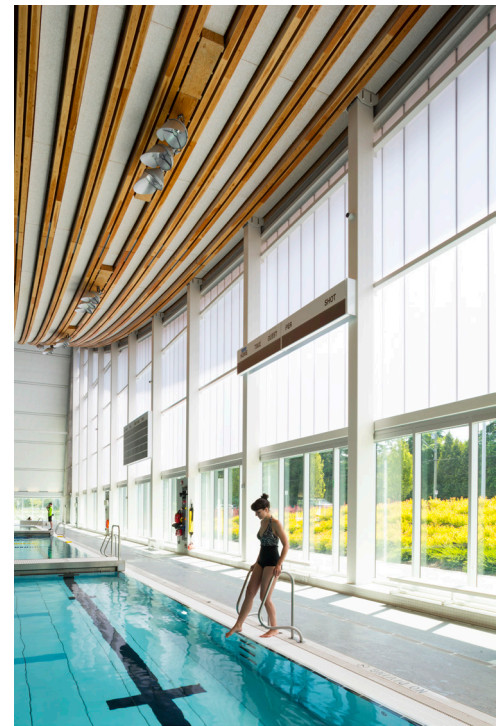


Rvalue of 4.35 (Canada).

“The CPI product allows for filtered natural light above the vision glass, allowing us to balance the desire for views into and out of the natatorium and the deck level, while controlling direct sunlight above,” said Melissa Higgs, an Associate at HCMA Architecture + Design. “We worked with CPI on light transmission and R-values to achieve the balance we required from the perspective of both performance and economic requirements.”

Constructed of two independent translucent insulated panels, joined by a mechanically interlocking structure that eliminates the need for vulnerable wet seals and adhesives, UniQuad is the only daylight system that can span as long as 12 ft. between structural supports. Scalable, the UniQuad system can be configured with additional insulation, sound reduction, dynamic shading, additional structural performance, and military forced entry resistance, always maintaining its integrity.

Grandview features a 10-lane, 50m Olympic size pool with diving platform, a family leisure pool, and a competitive main pool with spectator seats for 900 that the city hopes will draw major national and international swim competitions.



*Photos by Ema Peter*

“It was important that the activity within the pool be visible from the exterior, and provide bright but controlled levels of natural light - particularly for the lap pool, which will be FINA certified and expected to host a variety of competitive events,” said Higgs. “CPI helped us to achieve these goals.”