



Photo by Bill Lemke

## Project Overview

**Project:**

Eagle Center

**Location:**

Washington, D.C.

**Architect:**

Shinberg Levinas Architectural Design,  
MD

**General Contractor**

The Whiting Turner Contracting  
Company

**Product:**

UniQuad®

**Sq.-Ft.**

13,020 sq. ft.

## Eagle Center Public Charter School

UniQuad® Helps Create the Perfect Environment for Students at the Eagle Center, Blending Sustainability, Modernity, and Security

The Eagle Center is the first early childhood public charter school in Washington D.C., and is home to more than 900 students. When designing the school, Eagle Academy was hoping for an intellectually stimulating and sustainable environment that resembled their previous building, but its location in the South East side of the city caused a security concern as well that needed to be addressed in its design.

CPI Daylighting provided 13,020 sq. ft. of UniQuad® panels to solve

the problems and concerns The Eagle Center faced at their 27,000 sq. ft. facility. The panels' advanced Removable Skin Technology (RST) allows the exterior panel to be replaced as needed in the event of vandalism and provides indefinite building envelope protection.

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Architect

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said architect Carlos Talero of Shinberg Levinas Architectural Design. “The school is in a zone that would be prone to some kind of vandalism. If they have a problem with it, panels can be removed one at a time.”

The Eagle Center was designed to feature a seamless glazed look without any exposed aluminum connectors, and included bi-colored panels of blue and white to show the school colors. The outside panels were matte finished for added security and daytime privacy. The UniQuad system is one of the many energy-saving measures taken by Eagle Academy to achieve LEED Silver. “You get a lot of your daylighting points fulfilled without the negative glare views with UniQuad,” said Talero. “In the gym, they almost never use the metal halides. When it's bright and sunny out, you don't notice the lights are off.”

The UniQuad is the only daylight system that can span as long as 12 ft. between structural supports. It is constructed of two independent translucent insulated panels, and is joined by a mechanically interlocking structure that eliminates the need for vulnerable wet seal and adhesives.

“We've had some days with heavy winds and I've walked into the gym to see if I can feel anything, but the panels are air tight,” said John Johnson, Director of Security/Facilities at Eagle Academy. “We haven't had any water issues at all – no leaks, nothing.”

The panels are scalable and can be configured with various features while maintaining its integrity, including: additional insulation, sound reduction, dynamic shading, additional structural performance, military forced entry resistance, and more.