



Building with conscience.

Reston Town Center 1950/2000 Opportunity Way

StoVentec® Sparkles on Office Tower Bridge

Facades



Duda Paine Architects selected StoVentec® Glass to create a bold, reflective geometric ceiling connecting the towers of Reston Town Center.



Sto Products	StoVentec, StoVentro™, StoTherm® ci
Applicator	Pillar Construction
Architect	Duda Paine Architects
Developer	Boston Properties, Inc.
Contractor	Clark Construction
Channel Services Partner	CFS - Cladding Facade Solutions
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Situated in the Washington, D.C. suburb of Reston, VA, Reston Town Center is an expansive commercial development with an integrated mix of office, retail, restaurant, hotel and residential spaces. Featuring garden terraces and community amenities, the site design responds to a growing desire for work environments connected to urban surroundings.

The first phase of development pairs a 28-story office building with a second 20-story office structure for a combined one-million square feet.

Connecting the two buildings on the seventh-story is a two-story atrium bridge.

When it came time to develop a signature architectural feature for the underside of the atrium bridge – a reflective prism ceiling – designers turned to the beauty, durability, and versatility of StoVentec Glass to answer the challenge.

From Bold Vision to Unique Reality

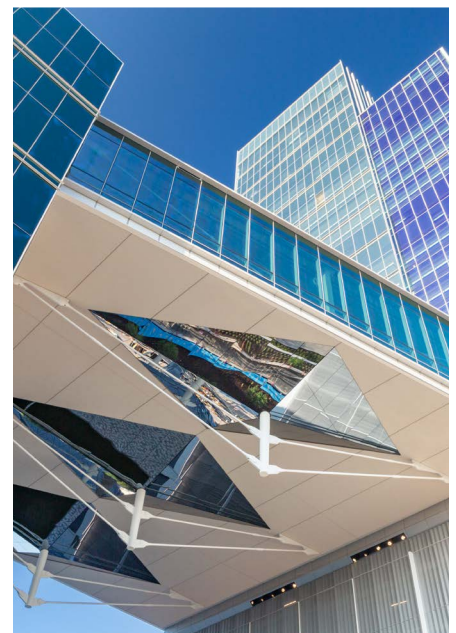
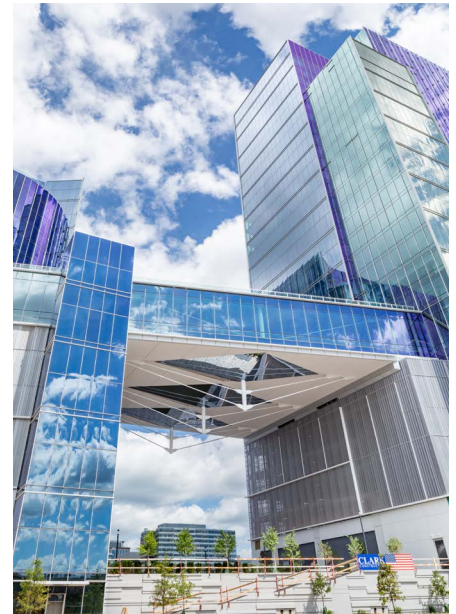
The atrium bridge serves as an amenity itself for those who work in or visit Reston Town Center. It includes training and conference rooms, dining areas, a rooftop terrace, and an open pedestrian plaza underneath. Architects wanted an open, expansive space overlooking the whole development and the nearby park.

On the ceiling of the open plaza – the underside of the bridge – Duda Paine Architects envisioned a modern, sophisticated design with reflective prisms to showcase the three kingposts holding up the connector.

The team from Pillar Construction was experienced with StoVentec Rainscreen® Systems, an integrated rainscreen solution for external cladding. When they learned of the architect's vision for the outdoor ceiling, they recommended StoVentec Glass as the optimal solution for reflection and flexibility.

"StoVentec provided a simple concept, easy installation and durable material for the design we created," said Brandon Beachler, architect from Duda Paine Architects. "We had heard of products like this being used on walls, but applying it to a ceiling is very rare."

The architect's original inclination was to install metal panels to create the reflective ceiling. By pivoting instead to StoVentec, Duda Paine dramatically decreased the possibility for oil canning on the project, providing reflections without distortion. The darker glass also offered more reflective properties and hidden fasteners, effectively delivering the architect's design vision 100 feet in the air from the plaza level.



"StoVentec provided a simple concept, easy installation and durable material for the design we created."

Brandon Beachler | Duda Paine Architects



The Whole Picture

Specifying StoVentec made it possible for contractors to use one system to build a geometric structure on an exterior ceiling in a place that faces high winds. To maintain the flatness of each surface of the prisms, nearly 3,000 square feet of StoVentec Glass Panels were attached to a marine-grade plywood substrate.

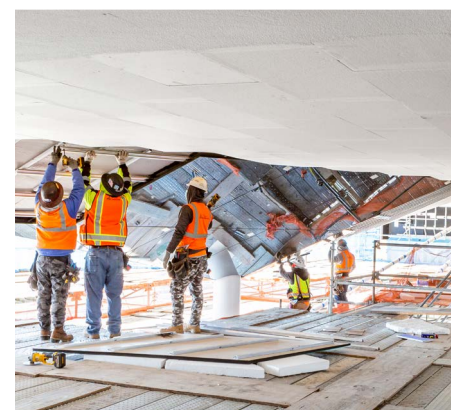
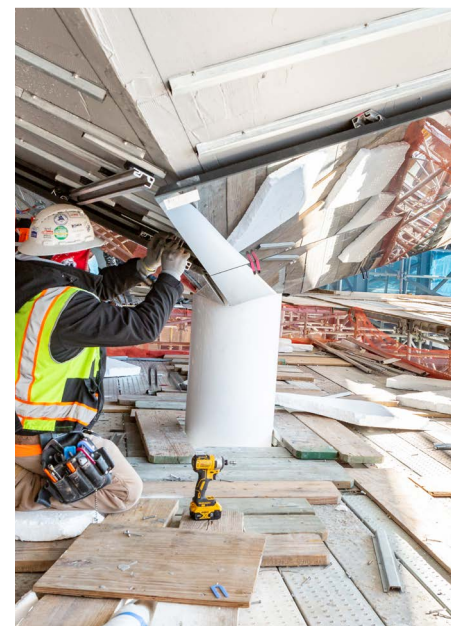
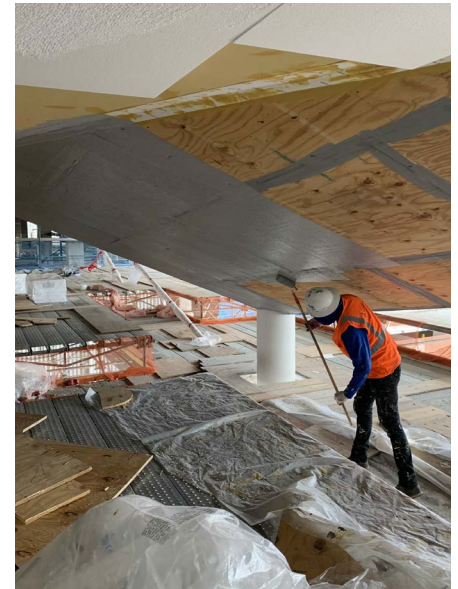
The three diamond-shaped prisms of the bridge are made from 132 uniquely sized glass panels that are all different sizes and finishes.

“No two panels are the same because of the complex geometry,” said Gabriel Castillo, business development at Pillar Construction. “The collaboration between the architect’s vision, the engineer’s ingenuity, Sto’s expertise with panels and assembly, and our experience with installation have brought this to fruition.”

The components used include:

- **StoVentec Glass panel assembly** - An opaque, glass-faced, pre-fabricated composite panel commonly used in a drained and back-ventilated open joint rainscreen system designed to meet project-specific wind loads
- **StoVentro Sub-construction** - a standalone thermally broken facade attachment system of stainless steel and aluminum brackets, aluminum rails, and stainless steel fasteners. When used with the StoVentec Rainscreen System, project-specific requirements of wind, thermal, fire and moisture control are achievable.
- **StoTherm ci** - continuous insulation cladding system for protection against moisture intrusion and greater energy efficiency.

“The building is a glass curtain wall, and the StoVentec glass panels enhance and complement the design intent of the entire building,” Castillo said. “It was the perfect solution for hidden attachments and a good reflection for the lively space.”



Opening the Gateway

Design plans started in September 2017, leading to above-grade construction beginning in October 2018. Phase 1 is scheduled to be completed in early 2022.

The project is designed to achieve LEED Silver certification. In total, the 22-acre Reston Town Center project will include nine buildings including offices, residences, hotels, shops and restaurants, alongside seven acres of parks.



Inspiration favors the open mind

With Sto, your creative exploration can take you anywhere. Our proven products give you unmatched freedom and the ability to achieve your vision in any color, any form, any texture, any material.

StoVentec Rainscreen systems provide a wide range of aesthetic options and price points from glass, to stone, wood, mosaic and any combination in between. They bring form together with function in a complete, single source system, allowing you to create wall systems that are visually stunning, durable and thermally efficient. Imaginative design using StoVentec Glass, with the smooth, hard, reflective look of glass, can be accentuated with an adjacent StoVentec Render system. Featuring a wide range of color and texture options, StoVentec Render extends design possibilities, and helps you create a look that is uniquely appealing.

Creativity Begins. **Sto Finishes.**®



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