

**Potomac Yards**  
Arlington, Virginia  
Architect: Cooper Carry

**STRUCTURAL GLASS**



**Oldcastle BuildingEnvelope®**

*Engineering your creativity™*

# Exclusive structural glass options that provide extraordinary possibilities

Below are our four primary structural glass systems. Custom options are also available.



## Finwall®

Finwall® is an exclusive structural wall system comprised of facade glass panels and vertical glass mullions designed to resist wind load and seismic forces. Finwall® can be used in openings less than 16' high. The system provides the aesthetic design characteristics of an exterior flush-glazed wall using interior glass mullions or fins instead of metal mullions. The glass fins provide support to the main glass plates. Finwall® is free from visual obstructions, limiting the need for metal framing to the perimeter thus creating a seemingly floating glass facade.



## Stackwall®

Stackwall® is an exclusive structural wall system comprised of facade glass panels joined to vertical glass mullions with metal patch or "spider" fittings. Vertical glass mullions are designed to resist wind loads and seismic forces. Oldcastle BuildingEnvelope® Stackwall® is engineered to integrate with Finwall®.



## Point Supported Systems

Point-supported canopies and facades are comprised of stainless steel spider fittings and tempered glass to resist wind load and snow load requirements. Glass attachment fittings are designed to flex when the glass is under loading to reduce stresses in the glass at the fitting connections. Spider fittings are typically bolted to a steel back-up structure.



## Specialty Systems

Specialty Systems are unique in their design and application. These systems require review in the early stages of design to determine the proper structural requirements of the building steel. Specialty Systems can integrate spider fittings or patch plate fittings.

**Steel** Oldcastle BuildingEnvelope® can review requirements on a project-by-project basis to determine feasibility.

**Glass** Oldcastle BuildingEnvelope® can incorporate insulating glass with or without Low-E, laminated glass or monolithic glass into structural glass systems.

**All-Glass Doors** Oldcastle BuildingEnvelope® can incorporate all-glass entrance systems into our structural wall systems. Door types and configurations may vary.

## Technical Assistance

Oldcastle BuildingEnvelope® has extensive experience in the design of structural glass systems. We offer custom-design and engineering capabilities for all structural glass applications for your design development needs.

## Engineering

Oldcastle BuildingEnvelope® provides engineering and shop drawings for our structural glass systems as a complete package to our customers.