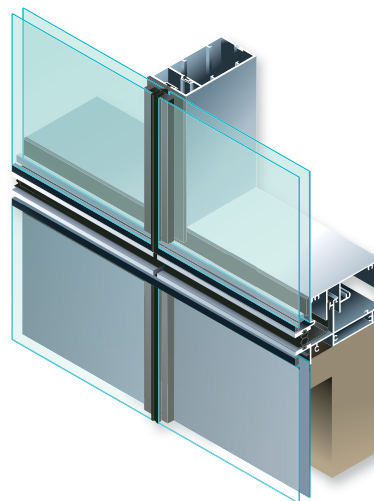


Signature Series Unit Wall— thermal composite unitized curtain wall system by Oldcastle BuildingEnvelope®

The Signature Series Unit Wall from Oldcastle BuildingEnvelope® is a **factory assembled, sealed and glazed curtain wall** product offering both Captured and Structural Silicone Glazed options with various infill flexibilities. The framing design features two lines of defense, or rain screen approach, for **superior air and water resistance**. With reinforced polyamide thermal struts, the Signature Series Unit Wall provides exceptional thermal performance. One of the most outstanding benefits is the assembly and glazing of the curtain wall frames under factory controlled conditions. This **reduces field labor and minimizes reliance on site applied seals**. The system is also designed to be installed from inside the building, which facilitates frame installation and eliminates the need for staging equipment.



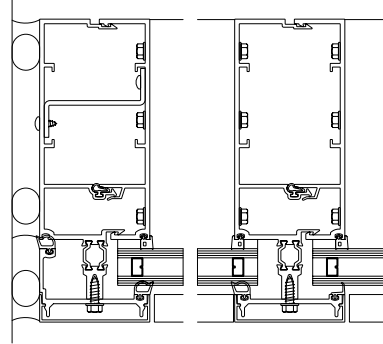
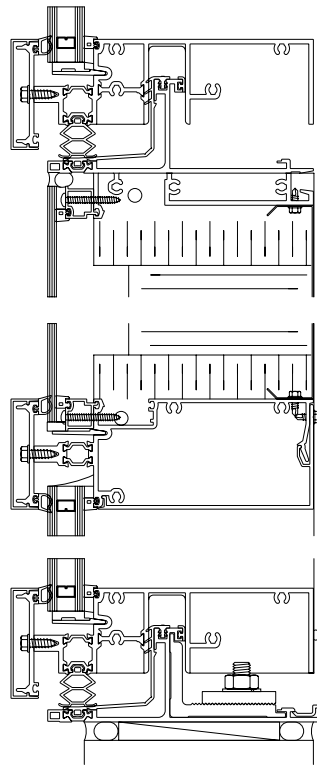
Great American Tower, Cincinnati, OH
Architect: HOK

Features

- Overall system dimensions:
Captured - 3" (76.2mm) x 8-1/4" (209.6mm) double glazed
NON-Captured - 3" (76.2mm) x 7-1/4" (209.6mm) double glazed
- +/- 3/4" Total allowable vertical movement per floor
- Factory assembled, sealed and glazed
- Installed from floor slab; staging not required
- Reduced field labor
- Enhanced thermal performance with reinforced polyamide struts
- Glass, metal panel and stone spandrel infill flexibility
- Shadow box spandrel panel option
- Full rain screen design
- Standardized detailing and components
- Dual finish capability
- Accepts steel reinforcing for various structural requirements
- Accommodates operable vents for both captured and SSG system options
- Factory painted Kynar 500®/Hylar 5000® finishes, meeting all provisions of AAMA 2605
- Factory anodized finishing



Details

**Standard Captured Details**

SSG option also available
See www.obe.com for all details

Performance

- Air Infiltration: <.06 CFM/SQ FT @ 6.24 PSF per ASTM E283
- Static Water: 15 PSF per ASTM E331
- Dynamic Water: 15 PSF per AAMA 501.1
- Deflection Load: 60 PSF per ASTM E330
- Structural Load: 90 PSF per ASTM E330
- Tie-Back Test Design Load: 150 LBS and 600 LBS @ 6.24 PSF
- Seismic: Four levels of deflection per AAMA 501.4
- STC per ASTM E90:
 - 37 Captured with laminated glass
 - 33 Captured with clear glass
 - 38 SSG with laminated glass
 - 34 SSG with clear glass
- OITC per ASTM E90:
 - 30 Captured with laminated glass
 - 27 Captured with clear glass
 - 31 SSG with laminated glass
 - 28 SSG with clear glass
- Thermal Cycling per AAMA 501.5:
 - 3 cycles (180° F hot cycle, 0° F cold cycle)
- Thermal Performance per AAMA 1503 for clear 1" insulating glass:
 - U-factor = 0.55 Captured and SS
 - CRF = 76 Captured, 74 SSG
- Thermal Performance per AAMA 1503 for Low-E 1" insulating glass:
 - U-factor = 0.35 Captured and 0.34 SSG
 - CRF = 79 Captured and SSG
- NFRC Certified and Thermal Performance Characteristics per AAMA 507