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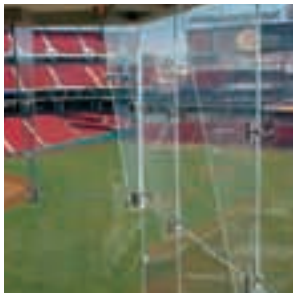
Structural Glass Mullion Systems
Cable Structure Systems
Structural Glass Flooring & Tread Systems
Structural Glass Cladding Systems
Ornamental Support Systems

CLADTEK
STRUCTURAL GLASS SYSTEMS



Excellence

Over the past decade WALTEK, with its CladTEK structural glass systems, has established a solid reputation as an innovative and reliable manufacturer of structural glass and ornamental metal support structures in the architectural community. Perhaps not as widely recognized as its larger competitor, WALTEK and its CladTEK systems have built a loyal following within the architectural community with regard to the design and implementation of structural glazing systems, assisting designers from concept to design development and final contract documents. WALTEK's unique approach of providing single-source responsibility for the engineering, manufacturing and installation of the structural glass cladding, ornamental metal structures and all their miscellaneous components give designers the assurance that the systems' form, function and aesthetic appearance are being considered as a whole, every step of the way. Fittings and hardware of the CladTEK systems are never sold as individual components: the CladTEK systems are only provided as engineered systems. This approach assures the owner and design professional that their project is backed by WALTEK and it's exclusive warranty that the system will perform as intended for its lifetime.

The CladTEK systems have been utilized in numerous types of projects and applications such as high end entrances for offices, total vision wall for sports venues, ornamental canopies for hospital and office buildings, transit terminals, ornamental railings, glass flooring & treads and simple ornamentation. The CladTEK system's versatility and WALTEK's can do attitude have and continue to bring the most demanding designers' vision to reality.

Innovation

Distinction

This magnificent entrance canopy system was designed by Earl Swensson Associates to mimic the whimsical flow of a river. The canopy oscillates up and down and curves tightly around the main entrance curtainwall while sloping back to the building. The structure of the canopy system was manufactured from laser and water jet cut stainless steel plates welded into various structural shapes. These shapes were curved to the final form and finished to a brushed directional # 4 finish. The laminated glass was constructed of blue tinted glass in combination with a custom light diffusing inner layer that was then mounted back to the structure by CladTEK CT-112 and CT114 spider fittings.

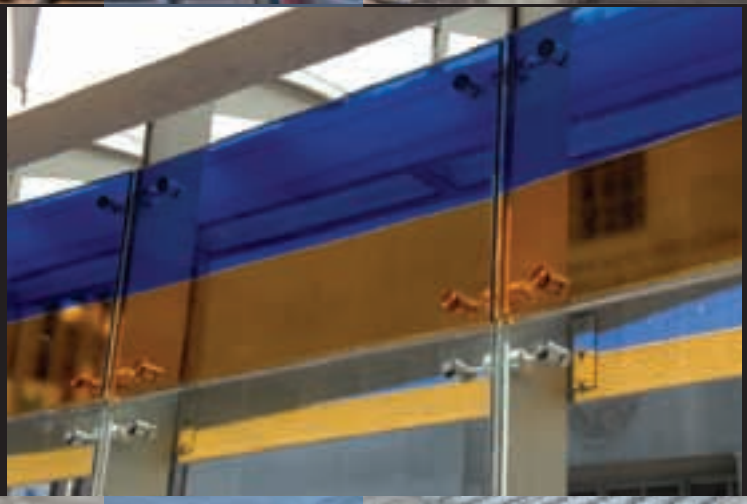
Monroe Carel Jr. Children's Hospital Vanderbilt University

Location: Nashville, TN
Architect: Earl Swensson Associates
Product: CladTEK Structural Glass Cladding System and Stainless Steel Structure
Fittings: CT112 & CT114

Cleveland Hopkins International Airport

Location: Cleveland, OH
Architect: DLZ Ohio LLC/Richard Fleischman Architects, Inc.
Product: CladTEK Structural Glass Cladding and Stainless Steel Substructure
Fittings: CT112 & CT114

Richard Fleischman Architects, Inc. utilized the CladTEK CT-112 and CT-114 stainless steel spider fitting system, with a combination of blue and clear custom ceramic fritted laminated glass to clad the terminal's steel canopy structures. The CladTEK system was engineered to anchor to a stainless steel substructure which fastened to the white painted carbon steel structure. A total of approximately 17,000 square feet of point supported, structural glass canopy cladding was utilized on the arrival and departure terminal at the Cleveland Hopkins International Airport.



Michael Shuster Associates selected blue and amber rough rounded art glass to be used in combination with one of five types of laminated glass. The art glass, not structural in nature, was laminated between two heavy lites of glass then mounted to the structures with the XF11 fitting and a unique tamper proof strain relief pendant mounted into the glass during the laminating process.

Government Square Transit Center

Location: Cincinnati, OH
Architect: Michael Shuster Associates, Inc.
Product: CladTEK Structural Glass Cladding System and Stainless Steel Structures
Fittings: XF11 (Standard and Tamper Proof)

The transit system "shelters" were constructed from nearly one million pounds of laser and water jet cut 316L alloy stainless steel plate. These stainless plates, along with fourteen-inch diameter stainless pipe, were welded into one of seven shelter styles and then finished with a graduated blasting process to lift natural scale and imperfections from the stainless steel.

The structures are clad with a combination of five different tinted and custom fritted laminated glass types, anchored to the structures with XF11 stainless steel brackets with standard and tamper proof strain relief pendants.

Great American Ballpark

Location: Cincinnati, OH
Architect: HOK Sports / GBBN Architects
Product: CladTEK Structural Glass Wall & Mullion System
Fittings: CT112 and CT114

Home to Major League Baseball's Cincinnati Reds, Great American Ballpark includes a first class dining area for Riverfront Club patrons. WALTEK's CladTEK structural glass and mullion system with ultra clear, low iron laminated glass provided the ideal solution for the best unobstructed views of the ball field and riverfront environment.

University of Cincinnati
Recreation Center

Location: Cincinnati, OH
Architect: Morphosis / KZF Design
Product: CladTEK Structural Glass Wall & Mullion System
Fittings: CT112 and CT114

Jewish Hospital

Location: Louisville, KY
Architect: ArrasmithJuddRappChovan, Inc.
Product: CladTEK Structural Glass Wall & Mullion System
Fittings: Customized Muntz Metal Clad Patch

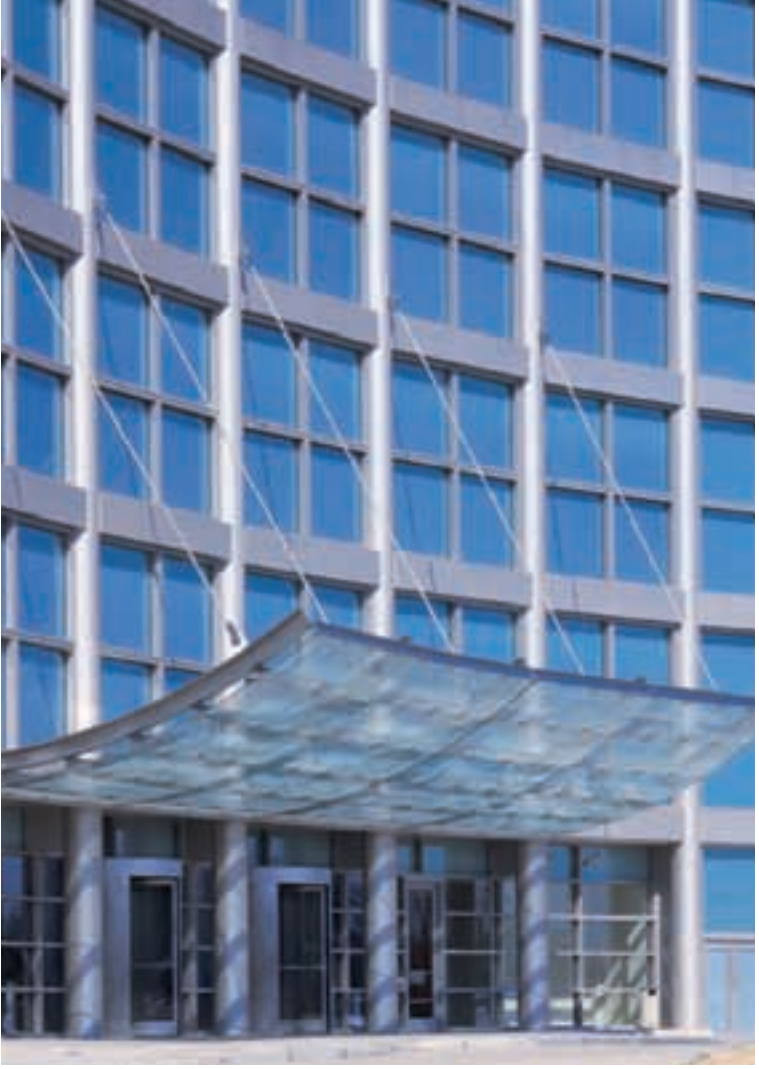
Lexmark

Location: Lexington, KY
Architect: Hixson
Product: CladTEK Structural Glass Canopy & Stainless Steel Structure
Fittings: Spring Plates with Strain Relief Pendants

Fort Washington Way

Location: Cincinnati, OH
Architect: Wallace Floyd / KZF Design
Product: CladTEK Structural Glass Cladding & Stainless Steel Structures
Fittings: CT101, CT102, CT103 and CT104

WALTEK manufactured five custom stainless stair and elevator enclosures to support under-hung glass panels that formed the ornate weather tight entrance and egress points of the sub-level bus station below. The exposed curved steel pipe and saddles were constructed of 316 alloy stainless steel for its strength and durability. The point supported glass cladding is constructed of two layers of heat soak tested, clear tempered glass, laminated together with a tapeless CIP resin inner layer.

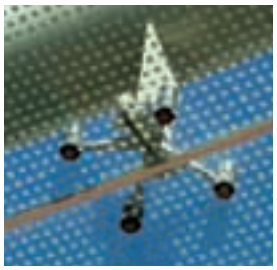


American General
Life Insurance

Location: Nashville, TN
Architect: Goettsch Partners (Formerly Lohan Associates)
Product: CladTEK Structural Glass Cladding & Stainless Steel Structure
Fittings: Spring Plates with Strain Relief Pendants

Elkhart County
Correctional Complex

Location: Elkhart, IN
Architect: DLZ Indiana, LLC
Product: CladTEK Structural Glass Cladding & Carbon Steel Structure
Fittings: CT112 and CT114



Engineering

Each and every CladTEK system is engineered to the local code requirements and specific forces that system will be subjected to while in service. CladTEK systems are based on recognized engineering principles, physical testing and real world experience with each system. The CladTEK systems have been subjected to: static and dynamic wind load forces, dead load forces, seismic racking and air/water infiltration testing. Individual components are tested as well, including heat soak testing of the glass panels plus rotational and pull out testing of new and custom fitting systems.

ASTM E 283 Air Infiltration Testing

Uplift and Down Drag Testing

AAMA 501.1 Water Penetration at Dynamic Pressure

Dillion Mechanical Force Gauge

Inter Story Differential Movement Testing

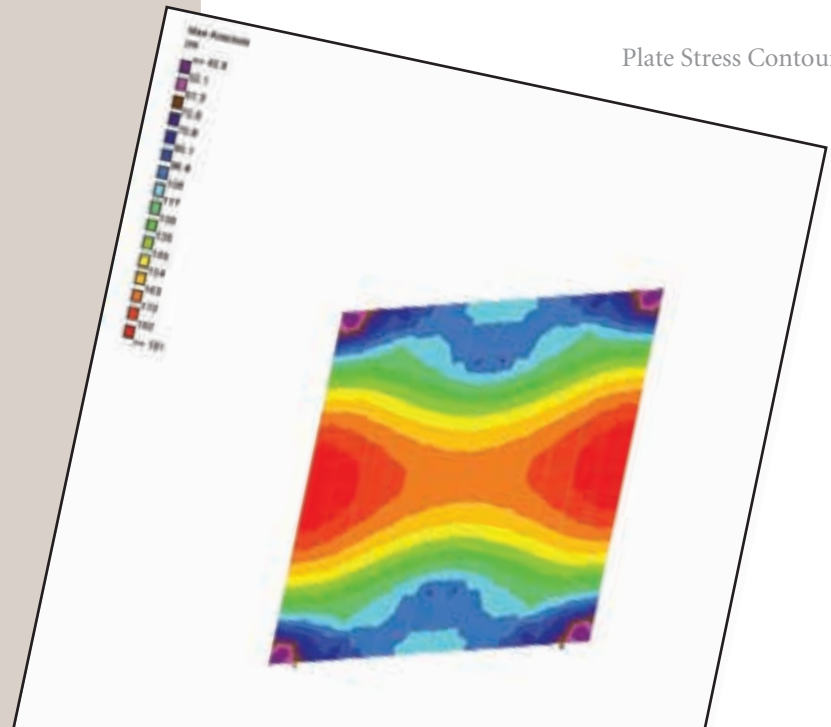


Plate Stress Contours

Custom Fittings

CT-112 & CT-114
Multiple Point Fitting System

XF-11
Standard and Tamper Proof
Fitting System

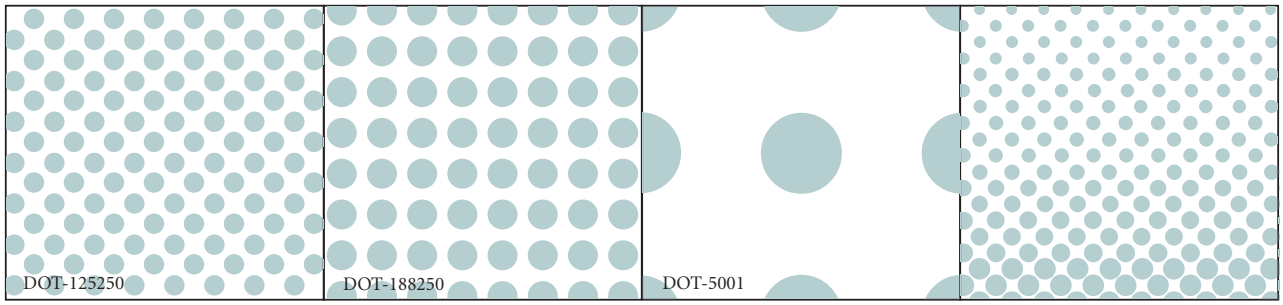
CT-101, CT102, CT-103 & CT-104
Single Point Fitting System

Insulated Glass

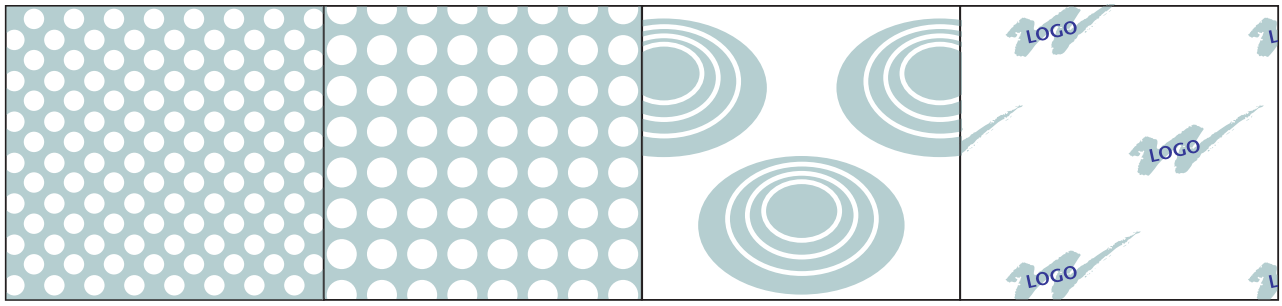
Cable Wall Fittings

Custom Machined Accessories

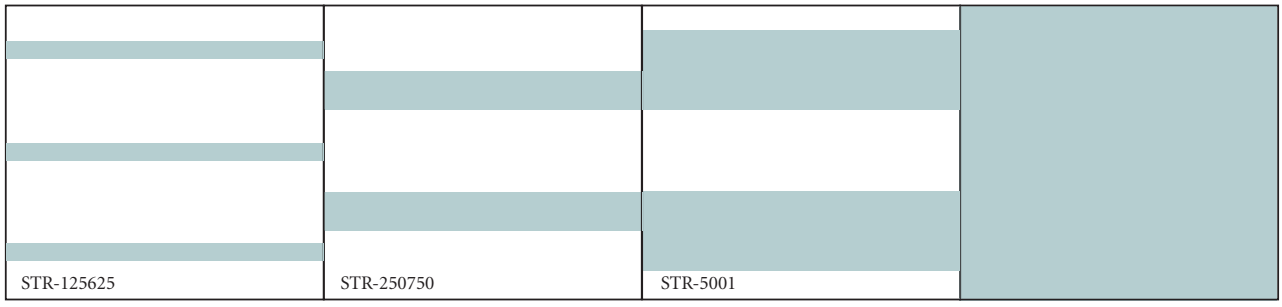
WALTEK & Company, LTD.



1/8" DOT FRIT ON 1/4" CENTERS | 3/16" DOT FRIT ON 1/4" CENTERS | 1/2" DOT FRIT ON 1" CENTERS | GRADUATED PATTERNS



1/8" HOLES ON 1/4" CENTERS | 3/16" HOLES ON 1/4" CENTERS | CUSTOM PROJECT DOT PATTERN | CUSTOM LOGO PATTERN



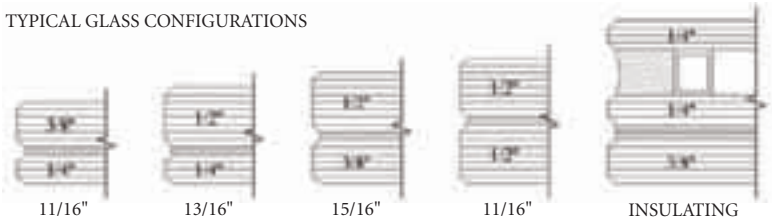
1/8" STRIPE FRIT ON 5/8" CENTERS | 1/4" STRIPE FRIT ON 3/4" CENTERS | 1/2" STRIPE FRIT ON 1" CENTERS | TRANSLUCENT INTERLAYER

STANDARD CLASS TINT COLORS

CLEAR
GREEN
GRAY
BRONZE
BLUE

PREMIUM & PROJECT SPECIFIC COLORS AVAILABLE. PLEASE CONSULT YOUR LOCAL SALES REPRESENTATIVE

TYPICAL GLASS CONFIGURATIONS



11/16" | 13/16" | 15/16" | 11/16" | INSULATING

(PROJECT SPECIFIC MAKE-UP TO BE DETERMINED BY FORMAL SEALED CALCULATIONS)

Glass Frit

Glass Frit adds visual appeal to your system. Please contact us to review our unique selection of patterns and colors.

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Please call if you would like to learn more about our canopy and wall systems or wish to discuss project specific details.