

Invisiwall® Glass Systems

All-Glass Doors and Entrances

Interior Office Fronts

Glass Canopies

Point-Supported Glass Systems



JE BERKOWITZ
ARCHITECTURAL GLASS SINCE 1920


SOLAR SEAL
COMPANY


CCBP COLUMBIA
COMMERCIAL BUILDING PRODUCTS



Invisiwall® Glass Systems

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invisiwall-info.com

ALL-GLASS DOORS AND ENTRANCES



Modern, attractive All-Glass Doors and Entrances can add a dramatic appearance to a building entrance or create an open feeling in an office space. We combine the aesthetic beauty and visibility of glass with engineered and tested hardware systems. They are easy to install, require minimal maintenance and are a proven performer over time.

Swing Doors

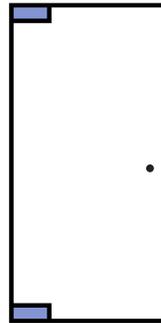
Our swing doors are unmatched in fit and finish, and offer remarkable design flexibility for any project. Swing Doors (single or pairs) can be designed with rails or patch fittings. Typically, doors are designed using center pivots. Optional offset pivots can allow doors to swing 180 degrees. Overhead Concealed Closers or Floor Closers are used to control the door swing.

Doors are available in four basic door types: A, F, BP and P. Type A (top & bottom patch fitting), Type F (top, bottom and lock patch fittings), Type BP (top patch fitting and full bottom rail) and Type P (full top & bottom rails).

Type "A" Door

Top pivot patch and bottom pivot patch fittings

This door type provides a clean minimalist appearance, with the least amount of interruption to the glass transparency.



Type "F" Door

Top pivot patch, bottom pivot patch and bottom lock patch fittings

Very similar to the Type A door in appearance and function, with the addition of a third patch fitting, typically a locking patch fitting at the base of the door.



Type "BP" Door

Top pivot patch fitting and a full bottom rail

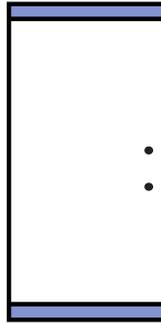
The BP Door maintains its clean transparent appearance, with a distinct solid look across the bottom of the door. The bottom rail is available in varying heights to create a dramatic effect or to align with sidelite glass bottom rails. BP Door's bottom rail provides added protection compared to an exposed glass edge, especially for exterior applications.



Type "P" Door

Full top and bottom rails

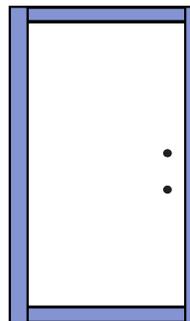
The Type P Door is a classic all-glass door design. The door rails can match in height or vary to create a specific aesthetic. Standard rail heights range from 1" to 10" or in custom sizes.



Type "P" Doors with Vertical Stiles

Full top and bottom rails with full height stiles

The vertical stiles enclose the glass door, providing a framed appearance to the door and some additional weather protection, especially for exterior applications.



Sliding Doors

Sliding doors are contemporary and versatile. A sliding door provides more usable floor space, as compared to a swing door. Sliding doors can be floor-mounted or top-hung. The tracks can be surface mounted or recessed.



Office Fronts

Partition wall systems are semi-permanent solutions for your office space. These systems look and feel like traditional glass interior walls, but offer the ability to adapt to your needs for flexibility in your wall system.



Stacking Doors

Stacking door systems offer flexibility in dividing a space with an uninterrupted view and an inviting appearance. Our top-hung sliding doors can be stacked in a single plane or a bi-fold system that forms a perpendicular stack. The glass panels can have rails or point-fixed hardware for a subtle appearance.



Specialty Door Applications

We offer a wide variety of solutions for specialty applications that include spider-fitting pivots, laminated doors, center-lock housing, and door portals.



Spider-Fitting Pivots



Laminated Doors



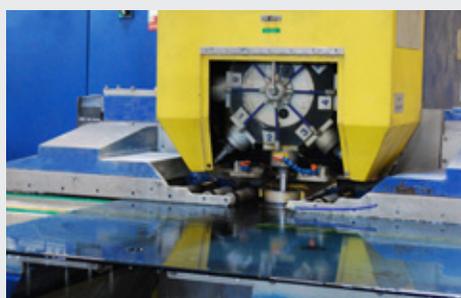
Door Portals

Customer Service

Our large selection of hardware and finishes enables us to provide the industry with prompt delivery of finished door systems. Our experienced team will work with you from the start of your project to completion.

A complete package can be provided to our customers.

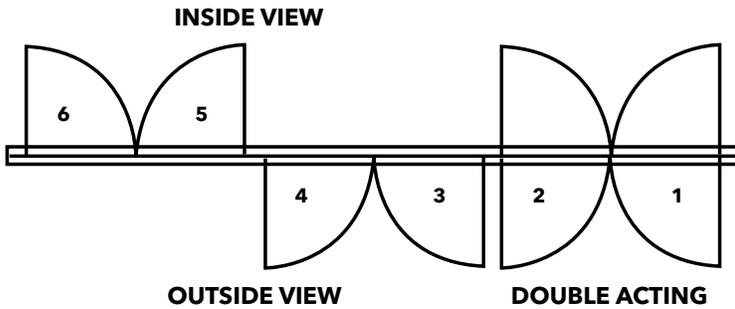
- Quotations
- Technical Support
- Hardware
- Glass Fabrication
- Shop Drawings
- Engineering Support
- Packaging of Supporting Hardware
- Timely Delivery



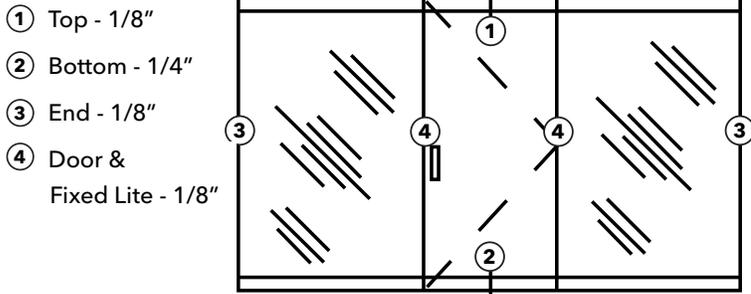
Door Hardware and Technical Info

All-Glass Entrances comply with ASTM C1036. All tempered glass is manufactured in compliance with ASTM C1048, and laminated glass is compliant with the ASTM C1172. The dimensional tolerances are + 1/16", - 1/8". Exposed edges are flat polished with aris. For butt applications, edges are flat ground with aris.

Swing Door Diagram



Typical Swing Door Clearances

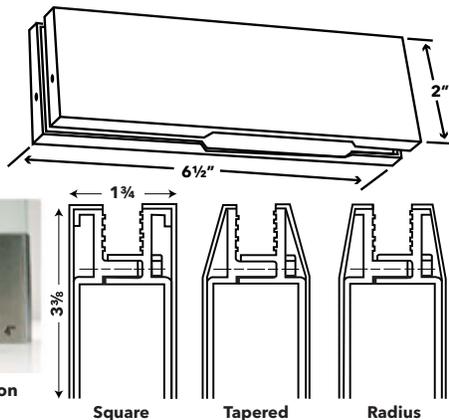


Patch Fittings and Rail Systems

Standard and custom patch fitting and rail systems are available.

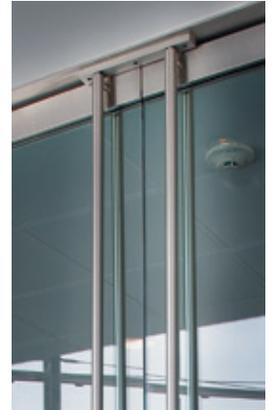
Standard Sizes:

- 1"
- 1-3/8"
- 3-3/8"
- 3-5/8"
- 4"
- 6"
- 10"



Optional Hardware

- Closers
 - Overhead Concealed
 - Floor Closers
- Door Handles
 - Push/Pull Handles
 - Ladder Handle
 - Custom Options Available
- Header Tubes
 - 1-3/4" x 4-1/2"
 - 1-3/4" x 4"
 - 1-3/4" x 1-3/4"
- Locks & Strikes
- Center-Lock Housing
- Thresholds
- Panic Devices
- Vertical Stiles
- Magnetic Locks



Patch and Rail Finishes

- Anodized Aluminum
 - Clear #US28, Dark Bronze #313
 - Black #335
- Brass
 - Polished #US3, Satin #US4
- Stainless Steel
 - Polished #US32
 - Satin #US32D
- Specialty Finishes
 - Kynar
 - Powder Coat and Specialty Cladding

GANA Recommended Maximum Interior or Exterior Swinging Door Sizes

FULLY TEMPERED GLASS							
		FULL RAILS			PATCH FITTINGS		
Glass Thickness		3/8"	1/2"	3/4"	3/8"	1/2"	3/4"
Glass Weight		5 lbs	6.5 lbs	10 lbs	5 lbs	6.5 lbs	10 lbs
Concealed Overhead Closer	Width	36 in	42 in	36 in	36 in	42 in	36 in
	Height	84 in	108 in	84 in	84 in	102 in	84 in
	Glass Weight	105 lbs	205 lbs	210 lbs	105 lbs	194 lbs	210 lbs
Floor Closer	Width	36 in	48 in	48 in	36 in	42 in	36 in
	Height	84 in	108 in	120 in	84 in	102 in	96 in
	Glass Weight	105 lbs	234 lbs	400 lbs	105 lbs	194 lbs	240 lbs

POINT-SUPPORTED GLASS SYSTEMS

Invisiwall® Point-Supported Systems are custom engineered to fit into any opening to create a striking entrance, wall or canopy for commercial buildings.

Invisiwall® Advantage

Quality - We are committed to offering the finest engineered point-supported systems in the industry.

Flexibility - We give you the flexibility to fully integrate our systems into your design.

Engineering - CAD drawings, engineering, design services, specification data, estimating and Professional Engineer (PE) Stamps are available.

Design - We produce systems that are tailored to meet your specific project design requirements.

Precision Tolerances - Our precision tempering ovens produce the flattest architectural glass on the market, for interior, facade and various laminated applications. We target roller-wave distortion, as well as bow and warp tolerances, to be 50% more stringent than industry and ASTM standards allowed on a project basis.

Fabrication - Our CNC fabrication capabilities provide accurate and precise holes (straight or countersunk), notches and shapes in heavy glass. A dedicated automatic horizontal double-edger produces consistent, clean ground or flat-polished edgework. We also have the ability to miter glass edges.

Heat-Soak Testing - Our heat-soak testing process is in compliance with the European Standard of EN 14179-1:2005 for quality assurance. It is available to help minimize the probability of spontaneous breakage due to nickel sulfide inclusions that may exist in fully tempered glass.

Single Source - We provide the complete glass and hardware systems package that performs with single-source responsibility.



Glass Canopies

Invisiwall® Glass Canopies help accentuate your architectural design without sacrificing beauty and protection. Each system can be custom-tailored to your design requirements, and custom engineered to meet your specification requirements, including glass, point-supported fittings, shop drawings and PE samples.

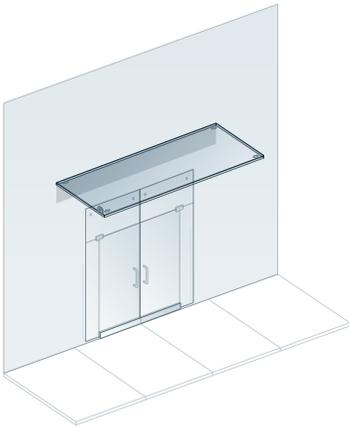
CANOPY DESIGNS

► HOW TO SPECIFY INVISIWALL CANOPIES

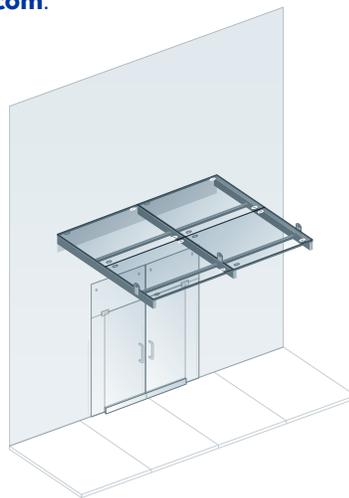
Example: **IVW** (Invisiwall) - **CPY** (Canopy) - **303** (3 panels wide / 3 panels deep)

Tailor the Invisiwall nomenclature to your specific design.

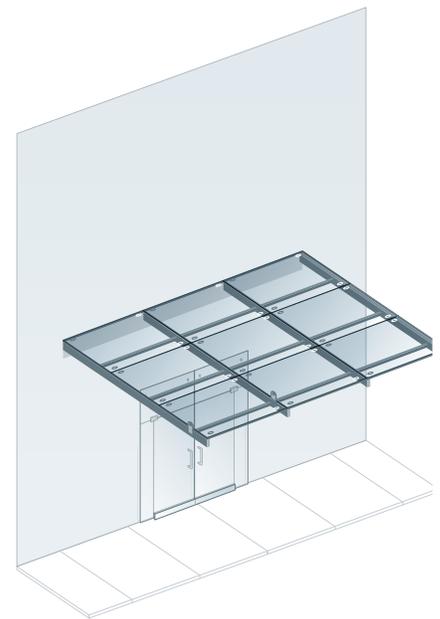
Download specifications at invisiwall-info.com.



IVW-CPY-101
(1 panel wide / 1 panel deep)



IVW-CPY-202
(2 panels wide / 2 panels deep)



IVW-CPY-303
(3 panels wide / 3 panels deep)



Glass Options

- Clear, Low-Iron and Tinted Glass
 - Acid-Etched Glass
 - Ceramic Frit Silk-Screened Patterns
 - Laminated Glass with Trosifol® SentryGlas® ionoplast interlayer produced by Kuraray.
 - Structural Interlayer (.060"-.100")
 - Clear and Translucent White interlayers are available for laminated glass*
 - Heat-Soak Testing
- * Call for product applications and availability.
- ** Laminated glass is highly recommended for overhead glazing.

SentryGlas® is a registered trademark of E.I. du Pont de Nemours and Company or its affiliates for its brand of interlayers. It is used under exclusive license by Kuraray and its sub-licensees.

Canopy Glass

A full selection of clear, low-iron, acid-etched and tinted glass substrates are available to be heat-treated and laminated for your application.

Laminated glass is available with Trosifol® SentryGlas® structural interlayer. SentryGlas® interlayer is recommended for exposed-edge applications. The interlayer offers the unparalleled advantages of improved clarity, increased structural integrity and better edge stability over that of PVB. A five-year warranty on edge stability for SentryGlas® interlayer is available on a project basis. A translucent white interlayer or ceramic frit silk-screened pattern can be used to reduce both glare and the appearance of dirt on the canopy surface. Heat-soaking also is available to help minimize spontaneous breakage due to nickel sulfide inclusions.

Canopy Hardware and Engineering

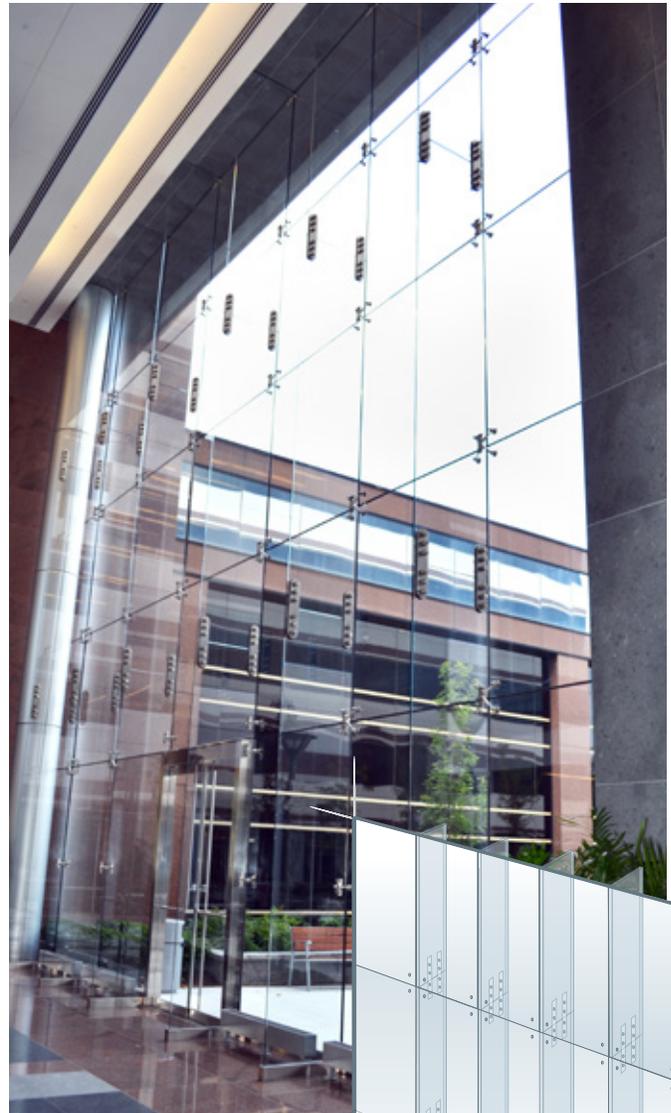
An extensive variety of rotules and spider-fitting hardware are available based upon the canopy application. Invisiwall® Point-Supported Canopies can be engineered to integrate All-Glass Doors seamlessly with the canopy.



Structural Glass Wall Systems

Invisiwall® Structural Glass Walls offer stunning visual clarity for panoramic views while incorporating protection and structural stability. Full-height or cantilevered fins help brace the system and transfer loads to the structure by supporting the vertical glass. Systems also can be designed to bolt back to a steel substructure.

Each system is designed to your specific dimensions and load requirements, incorporating a broad selection of standard and custom point-supported spider fittings, splice plates, spring plates and fin brackets to connect the system components together.



GLASS ENTRANCES

All-Glass Doors can be incorporated into your entrance systems.

IVW-7296-GE

VERTICAL WALL DESIGNS

► HOW TO SPECIFY INVISIWALL WALLS

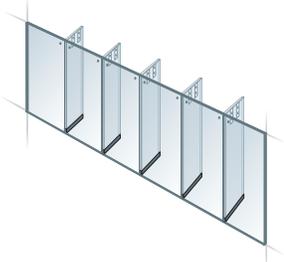
Example: **IVW** (Invisiwall) - **WL** (Wall) - **602** (6 panels wide / 2 panels deep) - **FF** (Full Fin)

Tailor the Invisiwall nomenclature to your specific design.

Download specifications at invisiwall-info.com.

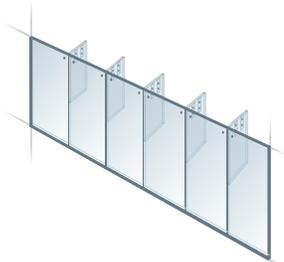
SERIES 601

**FULL-HEIGHT (FF)
GLASS FIN**



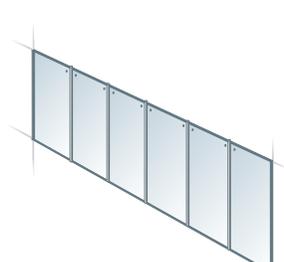
IVW-WL-601-FF
(6 panels wide / 1 panel high)

**PARTIAL (PF)
GLASS FIN**



IVW-WL-601-PF
(6 panels wide / 1 panel high)

**SUBSTRUCTURE (SS)
SUPPORT**



IVW-WL-601-SS
(6 panels wide / 1 panel high)

SERIES 602

IVW-WL-602-FF

(6 panels wide / 2 panels high)

IVW-WL-602-PF

(6 panels wide / 2 panels high)

IVW-WL-602-SS

(6 panels wide / 2 panels high)

SERIES 603

IVW-WL-603-FF

(6 panels wide / 3 panels high)

IVW-WL-603-PF

(6 panels wide / 3 panels high)

IVW-WL-603-SS

(6 panels wide / 3 panels high)

Point-Supported Hardware

To ensure quality, point-supported system hardware is fabricated from 316-alloy stainless steel and is available in satin finishes. Rotule fittings can be fixed or articulated (reduces stress at holes to minimize the possibility of breakage). Rotule heads can either be countersunk or have a surface disk.

SPIDERS GLASS FIN



IVW-445/2/1

SPIDERS SURFACE SUPPORTED



IVW-446/2M/1

GLASS FITTINGS



COUNTERSUNK



SURFACE DISK



IVW-445/4/1Y



IVW-446/4M/2

SUPPLEMENTAL HARDWARE

(Fabricated per Project)



IVW-445/4/2



IVW-446/2M



Top Fin Bracket



Splice Plates



IVW-445/4/2Y



IVW-446/3M



Spring Plates



Perimeter Channel



IVW-445/4/2



IVW-446/4M



IVW-445/4



IVW-446/4/90



Bottom Fin Shoe and Rails

SPECIALTY APPLICATIONS

Balconies and Windscreens



Handrails / Guardrails



Shower Doors and Enclosures



For Invisiwall® Products, Contact:



Solar Seal
55 Bristol Drive
South Easton, MA 02375
800.225.0430

Solar Seal
30 Edmond Street
Hamden, CT 06517
800.922.3248

Solar Seal
35 Venture Drive
Stafford, VA 22554
888.657.8852

sales@solarseal.com
solarseal.com

All-Glass Doors and Entrances
Shower Doors



J. E. Berkowitz
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Pedricktown, NJ 08067
800.257.7827

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jeberkowitz.com

All-Glass Doors and Entrances
Point-Supported Glass Systems
Glass Canopies
Handrails
Shop Drawings
Engineering Support

ISO 9001:2015 Certified



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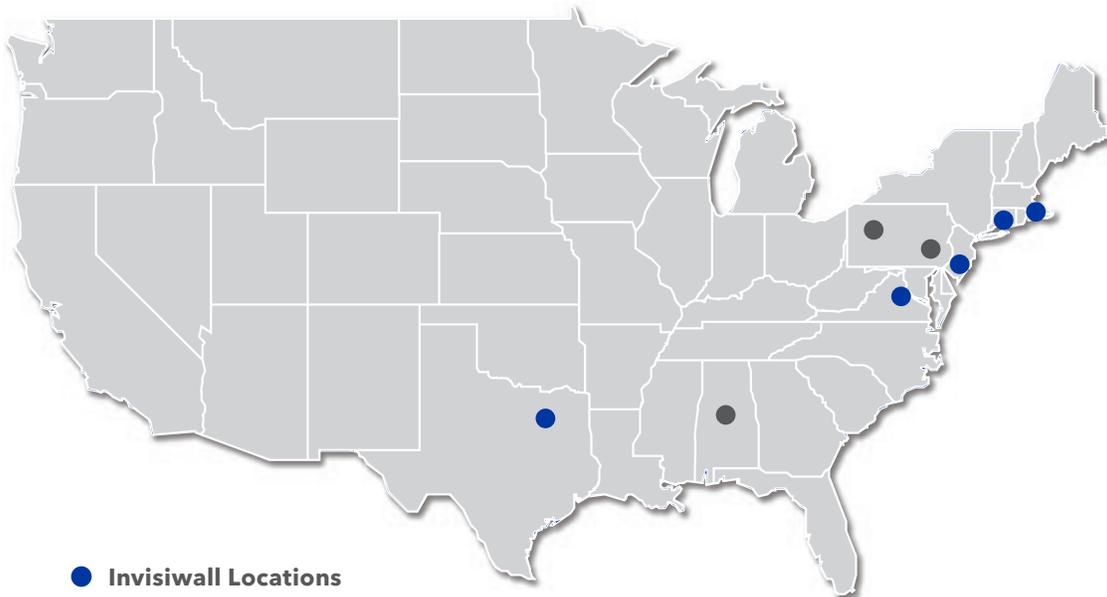


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All-Glass Doors and Entrances

Consolidated Glass Holdings Company Locations



● Invisiwall Locations



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