



# Glass Wall Systems

Expanding spaces to the extraordinary



Belfast Residence, Cincinnati OH  
2013 Merit Award: AIA Cincinnati Design Awards  
2013 Honor Award: CDA + Cincinnati Magazine  
Thermally Broken Folding Door System (UTS. 60)  
Architect: Drawing Dept  
Photography: Ross Van Pelt



# LIFT & SLIDE Glass Wall Systems



Columbia Residence, Houston TX  
Architect: 2Scale Architects  
Photography: Benjamin Hill

Panda's Lift & Slide Glass Wall Systems provide minimal site-line interference, allowing expansive glass panels to roll smoothly and operate easily. With just the push of a finger, living spaces expand creating seamless indoor-outdoor transitions.

The panels use their own weight to compress the seals thus creating a completely weather-tight wall system when in the "down" position - ideal for exterior applications requiring an added layer of security and for climates with extreme weather conditions.



Thermally Broken Slim Profile Lift & Slide (TS.87)  
Contemporary Home in Park City, UT





# FEATURES

## Panels

- Countless panel groups
- Each panel is available in scalable sizes of up to 10' wide and 20' tall
- Made of high quality 6063-T5 extruded aluminum with a wall thickness from 1/8"-1 1/4"

## Glazing

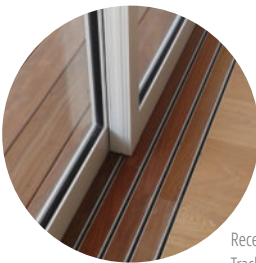
- Clear Low-e tempered-insulated 1" glass is the standard
- Glazing options at a thickness of 1/4" to 1 7/8" may be used for improved thermal transmittance, impact resistance, privacy and safety protection
- SDLs, TDLs and automated blinds may be integrated

## Operating Mechanism

- Concealed multi-point lock system for ease of operation
- Quality EPDM glazing gaskets and dense felt brushes for superior performance

## Track Systems

- 3/16" ADA compliant "barefoot" friendly track is standard
- Optional tracks include surface mounted and recessed into sub-floor
- High performance patented drainage technology



Recessed Drainage  
Track System



- Wheel carriages are comprised of synthetic nylon wheels with encased stainless steel ball bearings and have a corrosion resistant treatment applied for high performance in coastal regions

## Finishes & Hardware

- Wide variety of contemporary door handles including recess and GU temporary handles. Any handle that fits a 10 mm can be used
- All 25 standard powder coat colors are verified AAMA 2604 Compliant. Anodized and Kynar® finishes are available as options
- In-stock wood supply includes pine and poplar. Other exotic species such as Mahogany, Douglas Fir and Oak, among others, can be custom ordered



With 10 Systems to choose from and the ability to span any size opening, Panda continues to be the Lift & Slide expert in the nation!

| Model                                     | Material & Construction  | Panel Thickness | Stile & Rail Profile   | Finish                                |
|---|--|-----------------|--|---------------------------------------|
| S.10 All Aluminum                         | Aluminum extrusions with wall thickness of up to 1/8"  | 2 3/4"          | 4"   | Powder Coat                           |
| S.85 All Aluminum Slim Profile            | Narrow aluminum profile for contemporary designs   | 2"              | Interlocking: 2 3/4"<br>Locking: 2 3/4"<br>Bottom Rail: 3 3/4" |                                       |
| IS.14 All Aluminum IMPACT                 | Thicker aluminum panels for high wind environments   | 2 3/4"          | 4 1/2"   |                                       |
| TS.19 Thermally Broken                    | Thermal breaks create non-conductive bridge using polyamide iso-bars                         | 2 3/4"          | 4"   | Powder Coat<br>Dual color tone option |
| TS.87 Thermally Broken Slim Profile       | Thermal breaks with narrow aluminum profiles   | 2"              | Interlocking: 4"<br>Locking: 3 5/16"<br>Bottom Rail: 3 5/16"   |                                       |
| S.11 Aluminum/Wood Clad                   | Wood panels lock onto aluminum extrusion with operable clip for repairs                      | 2 3/4"          | 4"   | Powder Coat<br>Pine and Poplar        |
| IS.14 Aluminum/Wood Clad IMPACT           | Wood panels lock onto thicker aluminum extrusion for high wind environments                  | 3 9/16"         | 4 1/2"   |                                       |
| TS.13 Aluminum/Wood Clad Thermally Broken | Thermally broken extrusion with polyamide iso-bar. Wood clad for added insulation and warmth | 3 1/2"          | 4"   |                                       |
| S.12 Solid Wood                           | Solid Exterior/LVL Wood Core   | 3"              | 4"   | Pine and Poplar<br>Unfinished         |
| S.15 All Wood with Aluminum Core          | Solid Wood Interior & Exterior/Aluminum Core   | 3"              | Stile: 4 1/4"<br>Rail: 4"                                      |                                       |



# FOLDING Glass Wall Systems



Fink Residence, Norfolk VA  
Photography: Steve Budman

Architects: Andrew Fink - Tymoff+Moss Architects - Robyn Thomas Architecture

Custom Home, Aspen CO



Panda's Folding Glass Wall Systems provide the ideal solution for maximizing openings in structures where door pocketing is not an option. These systems connect your space to the outdoors or act as an interior space divider.

Our Folding Glass Wall Systems use a top-hung system that carries its weight through a head track designed to withstand an ultimate load of 450 lbs. The maintenance-free sealed bearing rollers allow for the quietest and smoothest operation.

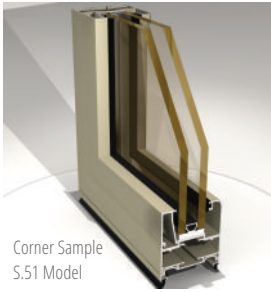
There is a Panda Folding Glass Wall System to suit every application, giving you the design freedom to achieve the exact folding opening you want, without compromise. Innovative technology and advanced design are combined to create Folding Glass Wall Systems that deliver excellent performance, stronger support and life-long durability.

Del Frisco's Grille Restaurant, Dallas TX Architects: ID Studio 4, LLC



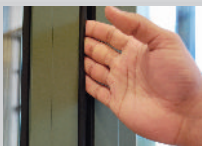


# FEATURES



## Panels

- Panels are used along a single track system
- Composed of multiple hinged panels (up to ten in one direction) or unlimited in paired groups of up to six hinged panels multiplied across the opening



## Pinch Resistant Gaskets

Unique double gaskets provide a buffer to prevent fingers from being trapped, ideal for environments where small children are present.

## Operating Mechanism

- Top-hung system is standard
- Bottom running systems are available for low-weight capacity headers, mostly used in interior applications
- Multi-point lock system engages into the top and bottom tracks for increased security

## Finishes & Hardware

- Wide variety of contemporary door handles including Panda's in-house built D-shaped handles. Any handle that fits a 7 mm can be used
- Hidden hinges provide a clean and modern look

### Panda100



### Panda200 (Pull)



### Panda300 (Ultra)



### Panda-V



### Aria



### Acacia



### Summit



### Panda-V (Lock)



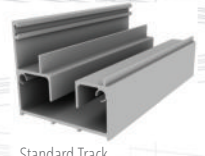
## Swing Door Handle Options

## Glazing

- Clear Low-e tempered-insulated 1" glass is the standard
- Glazing options at a thickness of 1/4" to 1 1/4" may be used for improved thermal transmittance, impact resistance, privacy and safety protection
- SDLs and TDLs and automated blinds may be integrated

## Track Systems

- Flush u-channel track recessed into the floor for an ADA compliant and uninterrupted floor finish is available
- Standard 2-3/16" track mounts directly to sub-floor and has the best resistance to weather infiltration
- A built-in drainage track can be used for more exposed openings

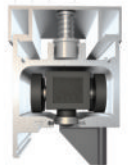


Standard Track



Recessed Drainage Track System

- Quadruple magnetic "Z" EPDM glazing gaskets between the door panels are continuous and padded enough to provide weather resistant comfort
- Wheel carriages are made using wheels that are fabricated from Delrin® polymer over stainless steel sealed bearings and have a corrosion resistant treatment applied for high performance in coastal regions



| Model                                    | Material & Construction   | Panel Thickness | Stile & Rail Profile                  | Finish                                |
|--|---|-----------------|---------------------------------------|---------------------------------------|
| S.51 All Aluminum                        | Aluminum extrusions with wall thickness of up to 1/8"                                 | 2 3/8"          | 2 1/16"                               | Powder Coat                           |
| US.51 All Aluminum ULTRA                 | Thicker aluminum panels for heavy duty applications                                   | 2 3/8"          | 2 1/16"<br>Articulating Joint: 1 1/4" |                                       |
| TS.60 Thermally Broken                   | Thermal breaks create non-conductive bridge using polyamide iso-bars                  | 2 3/8"          | 2 1/16"                               | Powder Coat<br>Dual color tone option |
| UTS.60 Thermally Broken ULTRA            | Thermal breaks with thicker aluminum panels for superior performance                  | 2 3/8"          | 2 1/16"<br>Articulating Joint: 1 1/4" |                                       |
| S.74 Aluminum/Wood Clad                  | Wood panels lock onto aluminum extrusion with operable clip for repairs               | 2 9/16"         | 2 13/16"                              | Powder Coat<br>Pine and Poplar        |
| S.75 Aluminum/Wood Clad Thermally Broken | Thermal breaks with wood cladding provide superior insulation and weather performance | 2 9/16"         | 3 1/8"                                |                                       |
| S.66 Solid Wood                          | Solid Exterior/LVL Wood Core  | 2 1/2"          | 4"                                    | Pine and Poplar<br>Unfinished         |

# RESIDENTIAL Applications

## Unveiling an extraordinary lifestyle



Villa Samsara, Turks & Caicos  
Architect: Ronald A. Shaw



Zero-post corner sliding door system

- Homeowners, property managers, architects and contractors not only benefit from the beauty, modern design and indoor-outdoor lifestyle that Panda's Glass Wall Systems impart, but also from the significant increase on property value, and improvement on energy and space efficiency.
- Glass Wall Systems create unique indoor-outdoor design statements in urban properties that are limited by space. They help boost the open feel by opening to exterior zones including balconies, terraces and rooftops.
- Seamless transitions to communal zones such as rooftop clubrooms, open terraces, pools, and courtyards, provide value to homeowner's associations and realtors who use these features as a selling point. Ideal for use in lifestyle residences where community and socializing are important.

Custom Home, Jupiter FL Architect: Mitchell O'Neil





# COMMERCIAL Applications

Expanding spaces effectively and productively



## Restaurants

Opening a restaurant's interior to terraces, patios, verandas allow for increased seating capacity and enhanced views of the surroundings. This means business owners can increase revenue, draw more visitors and provide unique al fresco dining experiences.

## Resorts & Hotels

With maximum glass and minimal frames, Panda's Glass Wall Systems provide a clean, modern look to hospitality properties. They frame unobstructed hotel landscaping and high-rise balcony views, creating spectacular settings. Increase guest's enjoyment of the property by connecting rooms, suites, and cabanas to indoor-outdoor spaces.

## Retail

Installing Panda's glass wall system in a retail establishment means increased sales. When open, they create an inviting storefront that attracts customers inside and removes any obstacle between them and your products. When closed, they convert into a transparent wall that allows you to showcase your products, even after-hours.

## Recreational Facilities

Recreational facilities such as golf centers, country clubs and meeting facilities greatly benefit from the seamless transition and weather protection that Panda's glass wall systems provide. By enclosing a roofed patio, additional seating space and magnificent views of the scenery could be enjoyed all year long in any environment.

## Sports Venues

Panda's glass wall systems are ideal for expanding the usability of private balconies, VIP/Luxury Suites, party suites, restaurant entrances and fan areas. They create premium seating arrangements and upgrade social areas which translates in increased attendance and higher ROI for stadium patrons.

## Educational Institutions

Our glass wall systems transform spaces such as libraries, classrooms, and auditoriums - to create areas for collaborative learning activities and different sized groups. They offer the flexibility to optimize the use of natural daylight and air circulation while enhancing the learning experiences and well-being of students.



From top to bottom: Hyde Nightclub at Bellagio Hotel & Casino, Las Vegas NV - Marnell Architecture  
Bakersfield Restaurant, Westmont IL - WD Partners  
Ko'Oolina Resort & Marina, Oahu HI - Architects Hawaii, Ltd.  
Aspen Art Museum, Aspen CO - Shigeru Ban Architects





Beach Residence, Cayman Islands  
John Doak Architecture/Poynor

### About us

Designed and manufactured in Las Vegas, Panda's large opening glass door systems are backed by a quarter of a century of architectural design and engineering experience. Our unwavering commitment to quality, sustainability, and innovation are at the foundation of Panda's history, and continue to dictate the standards for our product lines.

Panda's trusted brand is the preferred choice of homeowners, architects, and design professionals throughout the US, Mexico, Canada, and the Caribbean. When it comes to custom solutions for large openings, Panda has the flexibility to support your architectural vision and tailor complete door systems to exacting specifications.

By combining performance, durability and aesthetics, we engineer glass wall systems for commercial and residential projects no matter what the climate dictates. If you need to open an interior space to the outdoors, create larger entertaining areas, increase livable square footage, or protect against extreme weather conditions, Panda can help!

Because when all is said and done, our story is ultimately about you and...

### Expanding Spaces to the Extraordinary!

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