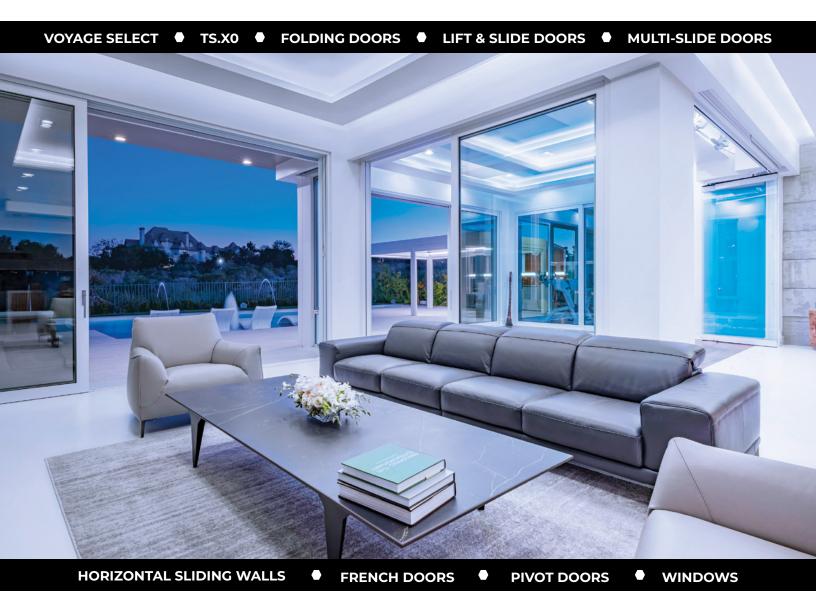


General Brochure









When The View Matters

For over three decades, Panda Windows & Doors has been a trusted leader in the window and door industry. Renowned for our meticulous attention to detail, innovative spirit, and cutting-edge designs, our extensive experience ensures seamless execution, bringing your vision to life with stunning precision.

Whether embarking on a residential or commercial project, a renovation, or a new build, Panda is your partner for crafting modern, custom window and door systems that meet your exact needs.

Engineering Solutions

At Panda Windows & Doors, our expertise lies in meticulously translating even the most ambitious design concepts into high-performance, functional masterpieces. No engineering challenge is insurmountable.

Energy Efficiency

Energy efficiency of private homes and commercial real estate has never been more important.

At Panda, we recognize the importance of energy efficient solutions, and empower you to leverage our thermallybroken profiles to meet your energy demands - without compromising on design.

Every Panda product can be designed and engineered to your exact specifications.

Customization

Guided by our in-house designers, we can help you choose everything from the profile thickness, glass and weather resistance, to color, material types, handles, tracks, and more.



TS.XO Multi-Slide: Winner of Window+Door Magazine's 2019 Award for **Most Innovative Patio, Multi-Slide, or Multi-Panel Door System**



We can accommodate almost any request, and with so many parameters that can be customized, there is virtually an infinite number of possibilities to make it your very own.

Performance

From extreme temperature fluctuations to high-force winds - you can trust our systems to perform at their best when you need them most.

At Panda, we take personal safety very seriously. To meet the most stringent building codes and environmental demands, our thermally-broken and hurricane-rated systems provide the comfortable interior temperatures you want with the protection you need, even when outdoor conditions are deteriorating.

Innovation

Persistent and relentless innovation is something we choose to pursue, not because we have to, but because we refuse to accept the status quo.

Using the latest 3D rendering systems, printers, and CNC machines, we regularly release brand new systems to market. Cutting-edge, modern, and innovative designs are the key reasons why we are considered the best in the business. Offering the largest selection of products on the market today, we are the ultimate one-stop-shop for any kind of buyer.

Whether you are building a stadium, hotel, high-end restaurant or your personal home, we can bring your design to life with our innovative and diverse product line.



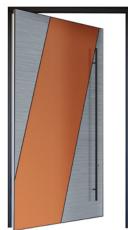
Voyage Select Contemporary Pivot Door: Winner of Window+Door Magazine's 2022 Award for **Most Innovative Entry Door**



Panda continues to innovate after 30 years of experience leading the window and door industry. Inspired by exotic locations, our newest **Voyage Select** line is the perfect mix of modern design and durability you can trust.

Doors can be created up to 9 ft. wide and 18 ft. tall for a truly striking first impression. With over 100 finish options and a variety of hardware to choose from, our fully customizable doors are perfect for any project.

These images reflect the base colors of each design, but the colors of every door can be freely customized.



MANILA





SYDNEY

PARIS



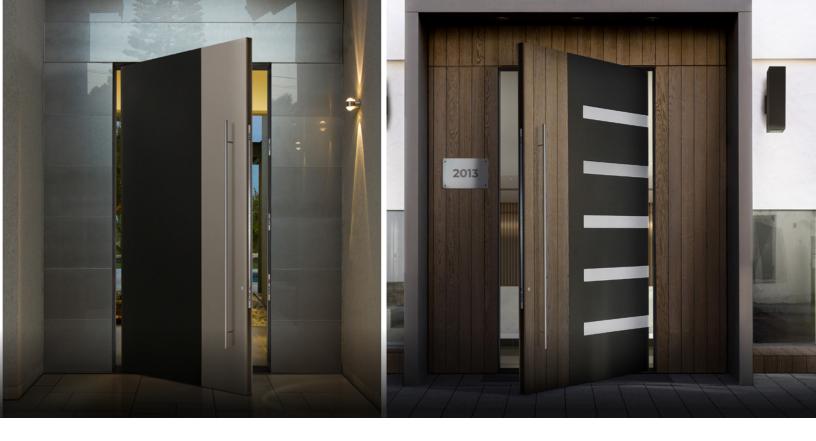
RIO



SEQUOIA



AUCKLAND





BONDI



LONDON



IBIZA

PETRA



TOKYO

SAN CARLOS





FIJI

www.panda-windows.com



Panda Windows & Doors is proud to present its flagship, award-winning, state-of-the-art TS.XO Door System. Featuring an ultra-thin 15/16" profile and immersive glass paneling, the TS.XO serves to redefine the modern luxury living space. Elevate your brand by integrating the stylerich craftsmanship and high-end class of the TS.XO into your business or storefront. With a view that draws in and holds the eye, the TS.XO is designed to make the best first-impression possible.

Applications and Uses

The TS.XO combines immense glass panels (up to 250 sq. ft. in size) with industry-leading components and technology. The result is a spectacular view that is minimally visually obstructive and is synonymous with luxurious, high-end appeal. The TS.XO features a unique, proprietary sliding door system, is easy to operate, highly customizable, and is fortified to ensure the safety and security of its users. Truly elegant in a residential space, show-stopping in a business, office, or commercial setting, the TS.XO brings the future of glass to the forefront and the art of luxury to your doorstep.

Features and Benefits

- Oversized glass panels available as large as 250 sq. ft.
- → The header and frame jambs are all able to be recessed, creating the illusion of floor-to-ceiling glass.
- ➔ High-quality engineering and durable steel rollers allows the system to transition smoothly and maintain smooth operation over the longevity of the system.
- → Panda's extruded 6063-T6 aluminum profiles means systems are more durable and reliable than competitors', even with everyday use.

→ Our world-class engineering coupled with European hardware creates a seamless, weightless feeling when operating panels. Automatic motorized operation is available for systems whose panels exceed 800 lbs.

→ Ability to maximize clear open space with the use of a pocketed panel storage system.



→ Multi-point locks and a durable craftsmanship secure the door against forced entry.

→ On panels that exceed 10 ft in height, the 15/16" stiles are structurally reinforced to maintain integrity without comprising the sleek modern look.

→ TS.X0 system panels can be as tall as 16', have a 250 sq. ft footprint, and weigh as much as 2000 lbs.

Customizations

Panda fabricates every system according to your exact designs and specifications. We offer several options for glass, finish, tracks, and curved systems so that you have a variety of options to choose from when designing your new system.

Tracks

Several track options are available to complement your design goals:

→ 2 ½" Recessed Drainage Track

This track is ideal for applications implementing floor-toceiling glass as it allows the panel to be recessed.

→ 2 ½" ADA Recessed Drainage Track

This track is great for commercial applications that require ADA compliance, but do not require the panel to be recessed.

→ 3 ¼" ADA Recessed Drainage Track with Inserts

This track makes for a seamless transition between your indoor and outdoor space. This track is barefoot friendly and offers minimal obstruction for foot traffic, and is recommended for applications that may be prone to heavy rains or direct weather as the drainage channel is the largest available.



Also known as bi-fold systems, folding doors are a popular choice for maximizing openings up to 90% without the need for pocket areas. Functioning as top-hung systems when opened, they slide and stack perpendicular against one or both of the opening jambs – just like an accordion.

Applications and Uses

Folding doors are in demand for a reason, and Panda's are no exception- they are innovative, contemporary, easy to use, and fully customizable.

Features and Benefits

→ Pinch-proof, quadruple EDPM bubble gaskets between each panel ensures you can enjoy the beauty of the system without compromising safety. Pinch-proof gaskets provide ease of mind - especially if young children are present.

 When open, the stacked system panels take up ~ only 10% of the space (5% on each side, or 10% on one side), leaving the remaining 90% of the opening clear for foot traffic or enjoying uninterrupted views.

➔ The best option for opening up space other than a pocketed Multi-Slide or Lift & Slide door.

→ Daily doors (aka swing, egress, or flag doors) can be integrated simply, allowing for easy entry and exit without having to open the entire system.

→ The customizable design allows for either an in-swing or out-swing configuration.

➔ Concealed throw-pins in the top and bottom tracks ensure a very secure system.

→ A heavy-duty European groove-hinge anchoring system
(10mm stainless steel pin) allows for tall and heavy panels.

→ European hardware and Delrin polymer rollers allow the system to roll smoothly, keeping the rollers from developing a flat side over time.

→ Our unique 6063-T6 aluminum extrusions means Panda systems are more durable and reliable than our competitors', even with everyday use.

→ ULTRA systems are available for especially large openings (up to 13 feet tall) and has optional bottom support due to heavier panels.

 → A bottom-running recessed track option is available (ideal to help carry the weight of very large systems).



Tracks

Several track options are available to complement your design goals:

→ 3/4" Recessed Track

The smallest recessed track available for folding doors. Recommended for interior or full coverage applications.

→ 1 ¹/₂" Recessed Drainage Track

This recessed drainage track is ideal for residential applications where size constraints are present.

→ 1 ¹/₂" ADA Recessed Drainage Track

An ADA compliant recessed drainage track ideal for commercial applications.

→ 2" Thermally Broken Recessed Drainage Track

This track offers improved energy efficiency performance thanks to its thermally isolating properties that create a barrier between inside and outside temperatures.

→ 2 ¼" Recessed Drainage Bottom Running Track

This track carries most of the weight of the system on the track itself to lessen the load on the header, enabling larger panel sizes.

→ 3/4" ADA Surface Track

An ADA compliant, surface-mounted track ideal for interior applications or full coverage applications. Ramps come standard on the interior and exterior.

→ 3/4" Surface Track

Suitable for interior or full coverage applications. Ramps come standard on the interior and exterior with weep drainage options available.

→ 2 ³⁄₁₆" Thermally Broken Standard Surface Track

Offers improved energy efficiency performance thanks to its thermally isolating properties that divide inside and outside temperatures. The track is installed directly on top of the finished flooring, and can be powder coated to match the system.

→ 2 ³⁄16" Standard Surface Track

Similar to the 2³/16" Thermally Broken Standard Surface Track, this option is for non-thermally broken units. The track can be powder coated to match the system.

→ 2 ³⁄16" Standard Surface Track (FWS.74 outswing only)

Similar to the 2 ³/16" Thermally Broken Standard Surface Track, with the option of a wood-clad interior surface. Perfect for installation that requires an exposed track. This track can be powder coated to match the system exterior, with wood-cladding to match the system interior.



Due to their ease of operation, Lift & Slide doors are a popular choice for opening up large expanses. When not in use, a system of levers and wheels drop each panel to the floor sill, compressing double v-gaskets against the floor, sides, and top of the panel. With the gaskets designed to create an airtight and watertight seal around each panel, the system is remarkably weather-proof and safe against forced entry.

Applications and Uses

Lift & Slide door systems are state-of-the-art and easy to use. Best for applications that require maximum protection from the elements (such as high-force winds or extreme temperatures), they are among the most weather-resistant systems on the market. Panda's Lift & Slide systems are designed to meet the most stringent building codes nationwide and have proven performance in the most demanding environmental conditions.

Features and Benefits

→ Offers a barefoot friendly recessed track that sits just 3/16" above the finished floor.

- → Can support panels as large as 100 sq. ft.
- → Steel rollers and hardware components are available for coastal applications where corrosion from salt is a concern.
- → Our unique 6063-T6 aluminum extrusions means Panda systems are more durable and reliable than our competitors', even with everyday use.
- → Ability to maximize open space up to 100% when pocketing (storing) the doors.
- → Multi-point locks leverage the weight of the panel and secure the door against forced entry.
- → State-of-the-art engineering means each panel can be operated with only a single finger, even when panels exceed 600lbs!
- → Hurricane-rated "Impact" Lift & Slide doors are available.
- → Varying profile thicknesses are available for a more modern and contemporary look.
- + Multi-direction panel configurations are available.



Tracks

Several track options are available to complement your design goals:

→ 2 ¹/₂" Recessed Drainage Track

This track is recommended for applications that are prone to heavy rains or direct weather as the drainage channel is the largest available. Featuring 3/16" visible above the finished flooring, this track creates a beautiful and seamless transition between your indoor and outdoor space. It is barefoot friendly and offers minimal obstruction for foot traffic.

→ 2 ¹/₂" Recessed Track

This track is recommended for interior or exterior use with Lift & Slide systems that are completely protected from weather conditions such as rain. Featuring 3/16" visibility above the finished flooring, this track creates a beautiful and seamless transition between your indoor and outdoor space. It is barefoot friendly and offers minimal obstruction for foot traffic.

→ 1¹/₄" Recessed Drainage Track

This track is recommended for applications with wood sub-flooring or post-tension concrete. Featuring 3/16" visibility above the finished flooring, this track creates a beautiful and seamless transition between your indoor and outdoor space. It is barefoot friendly and offers minimal obstruction for foot traffic.

→ 1 ¼" Recessed Track

This track is ideal for applications with wood subflooring or post-tension concrete, and is recommended for systems that will not be exposed to harsh weather conditions. Featuring 3/16" visibility above the finished flooring, this track creates a beautiful and seamless transition between the indoors and outdoors. It is barefoot friendly and offers minimal obstruction for foot traffic.

→ 5/16" Surface Track

Perfect for interior applications, this track is installed directly on top of the finished flooring.

→ 1/2" Surface Track

Exclusive to LIS.10, LWS.11, LTS.19, LIS.14, and LWIS.14 systems. Sill pan, weep drainage, and ramp options are available.



Also known as sliding doors or telescoping doors, Multi-Slide Door systems are ideal for opening up large expanses. They are made up of several panels that slide and stack to one or both sides of an opening or into a pocket. There is virtually no limit to how many panels can be included in one system.

Applications and Uses

As they allow openings to be maximized up to 100% when doors can be pocketed, Multi-Slide Doors provide a minimally obtrusive way of opening large spaces. Fully customizable, they are state-of-the-art, high-quality and easy to use.

Features and Benefits

→ A 'bottom-running' system means all of the system's weight is carried on the bottom track.

→ European hardware and Delrin polymer rollers allow the system to roll smoothly, keeping the rollers from developing a flat side over time.

→ Steel rollers and hardware components are available for coastal applications where corrosion from salt is a concern.

→ Our unique 6063-T6 aluminum extrusions means Panda systems are more durable and reliable than our competitors', even with everyday use.

 → Ability to maximize clear open space to 100% if the door can be pocketed.

→ State-of-the-art engineering means each panel can be operated with only a single finger, even when panels exceed 600lbs!

- → Multi-point locks secure the door against forced entry.
- → Varying profile thicknesses allow for the option of having a slimmer, more modern look.
- → Multi-directional panel configurations are available.

Customizations

Panda fabricates every system according to your exact design and specifications.

Choose from a variety of options for wood, track, handles, glass, finish, and curved systems.



Tracks

Several track options are available to compliment your design goals:

→ 5/8" Surface Track

Only available for the SIS.81 and STS.83 systems.

This track can be installed directly on top of finished flooring or can be partially recessed, offering full protection from harsh weather conditions. Sill pan, weep drainage, and ramp options are available.

→ 9/16" Surface Track

Only available for the SS.90 system.

It can be installed directly on top of finished flooring or can be partially recessed. It comes with a 5/16" interior lip, offering protection from harsh weather conditions.

→ 2 ¹⁄₂" Recessed Drainage Track

This track is recommended for Multi-Slide doors that will not be exposed to harsh weather conditions.

A no drain option also available.

→ 1 ¼" Recessed Drainage Track

This track is recommended for applications with wood sub-flooring or post-tension concrete, where trenching to install a track is not possible, and is recommended for Multi-Slide doors that will not be exposed to harsh weather conditions.

A no drain option also available.



The PandaSelect line of systems is a series of costeffective, modestly priced options of our popular customizable door systems. This line features Multi-Slide, Lift & Slide, and French door systems.

Customizations

Panda fabricates every system according to your exact design and specifications.

Choose from a variety of options for wood, track, handles, glass, finish, and curved systems.

Finishes

Panda's standard finish options include 25 AAMA 2604 powder coat colors, all done on-site at our fabrication facility. Options are available for custom color matching, metallic/bonded colors, Kynar, and anodized finish options. For added flexibility, thermally broken systems support two-tone finishes.

Tracks

Panda offers several track options for each system offered that will complement your design goals and are best suited for a variety of applications.

Multi-Slide

Also known as a sliding or telescoping door, the Multi-Slide system is composed of several panels that slide and stack to one or both sides of an opening or into a pocket. There is virtually no limit to how many panels can be included in one system.

Applications and Uses

Multi-slide door systems are durable and easy to use, and customizable options are available. They provide a minimally obtrusive way of opening large openings when doors can be pocketed.



Lift & Slide

Ease of operation makes Lift & Slide systems a popular choice for opening up large spaces. When not in use, a system of levers and wheels drop each panel to the floor sill, compressing double v-gaskets against the floor, sides, and top of the panel. With the gaskets designed to create an airtight and watertight seal around each panel, the system is remarkably weather-proof and secure against forced entry.

Applications and Uses

Lift & Slide systems are among the most weather-resistant systems Panda offers, making them the best option for applications that require maximum protection from the elements. Known for its durability, high-quality, and ease of use, they are also fully customizable.

French Door

The French Door system is a popular choice for entryways as well as patio and deck applications. In addition, the system can be fabricated with both sidelites and transom windows, perfect for customizing your design.

Applications and Uses

Ubiquitous throughout modern homes, the French door has a chic, timeless style that brings an elegant touch to your project. The longevity of the system paired with its inherent ease-of-use makes the French Door a popular choice for those looking for the perfect blend of style, substance, and value.

HORIZONTAL SLIDING WALLS

Horizontal Sliding Walls (HSWs) are the premier option for maximizing openings (up to 100%) by sliding and storing panels outside of the opening. The system is top-hung and comprised of multiple individual panels. Featuring completely customizable parking areas, the panels slide and stack anywhere - even in a closet around the corner.

Applications and Uses

By creatively storing panels around corners and in closets, the HSW system is truly versatile door system. Innovative, customizable, and easy to use, the HSW system comes with all the custom options Panda has available.

Features and Benefits

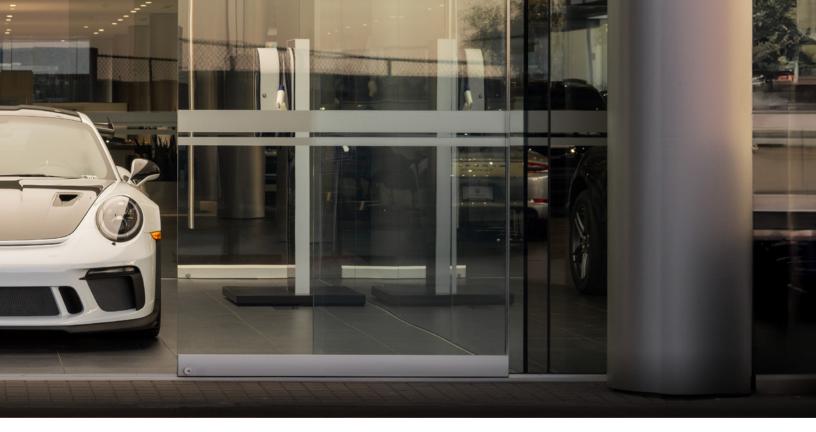
→ Custom engineered parking areas to fit your exact design specifications.

 → Panels can be stacked outside of the opening, leaving 100% of the opening clear. → Operable swing panels can be integrated into the system to allow daily use without needing to open the entire system.

- ➔ Frameless options allow for no sight lines and uninterrupted views, providing an ultra-modern design for contemporary projects.
- ➔ Locking hardware and concealed throw pins create a secure system.

→ European hardware and Delrin polymer rollers allow the system to roll smoothly, keeping the rollers from developing a flat side over time.

→ Our unique 6063-T6 aluminum extrusions means
Panda systems are more durable and reliable than our competitors', even with everyday use.



Tracks

Several track options are available to complement your design goals:

→ 1/2" Surface Track

Suitable for interior or full coverage applications, ramps come as standard on the interior and exterior.

→ 3/4" Surface Track

Suitable for interior or full coverage applications, ramps come as standard on the interior and exterior with weep drainage options available.

→ 3/4" Recessed Track

This is the smallest recessed track available and is recommended for interior applications or applications where there is full coverage of the door system.

→ 1 ¹/₂" Recessed Drainage Track

A recessed drainage track ideal for applications where size constraints are present.

→ 1¹/₂" ADA Recessed Drainage Track

An ADA compliant recessed drainage track ideal for commercial applications.

→ 2" Thermally Broken Recessed Drainage Track

With its thermally isolating properties, this track offers improved energy efficiency by creating a barrier between inside and outside temperatures.

→ Dust Proof Keepers

The most minimal, no-track option available. Recommended for applications with lots of foot traffic and limited weather exposure. Each keeper cylinder can lock when panels are open to become ADA compliant.

This system is currently undergoing NFRC testing.



French Doors are a popular choice for entryways as well as patio and deck applications. In addition, the system can be fabricated with both sidelites and transom windows, perfect for customizing your design.

Applications and Uses

Ubiquitous throughout modern homes, the French Door has a chic, timeless style that brings an elegant touch to your project. The longevity of the system paired with its inherent ease-of-use makes the French Door a popular choice for those looking for the perfect blend of style, substance, and value.

Features and Benefits

➔ Our unique 6063-T6 aluminum extrusions means Panda systems are more durable and reliable than our competitors', even with everyday use.

→ State-of-the-art engineering means each door can be operated with minimal effort.

- → Ability to maximize clear open space.
- ➔ Multi-point locks and durable fabrication secure the door against forced entry.
- ➔ Varying profile thicknesses allow for the option of a slimmer, more modern look if so desired.

Customizations

Panda fabricates every system according to your exact design and specifications.

Choose from a variety of options for wood, track, handles, glass, finish, and curved systems.



Pivot Door systems are a popular choice for entry doors, as they can accommodate a wider and taller opening with a single panel. Each unit is fabricated with a concealed self-closer in either the sub-floor or the header. Pivot doors can be fabricated with sidelites and transom windows for added glass and design purposes.

Applications and Uses

Pivot Door systems are elegant, easy to use, and highly desirable, with all of the custom options Panda has available. Panda's large Pivot Door systems can impressively enhance entryways with awe and admiration.

Features and Benefits

- → Quality hardware and heavy duty self-closers handle the weight of each panel.
- ➔ Our unique 6063-T6 aluminum extrusions means Panda systems are more durable and reliable than our competitors', even with everyday use.

→ State-of-the-art engineering means each door can be operated with minimal effort, even when panels exceed 500lbs.

- → Ability to maximize clear open space.
- ➔ Multi-point locks and durable fabrication secure the door against forced entry.
- ➔ Varying profile thicknesses allow for the option of a slimmer, more modern look if so desired.

Customizations

Panda fabricates every system according to your exact design and specifications.

Choose from a variety of options for wood, track, handles, glass, finish, and curved systems.



Today, steel is re-emerging as a sign of sophistication as architects and designers seek stronger windows, open views, and natural light for both commercial buildings and residences. Panda combines the timeless beauty and long-wearing durability of steel with cutting-edge finishes to create sustainable doors and windows that will not require replacement for generations to come.

The Panda Minimal Steel line consists of expertly made folding doors, swing doors, lift & slide systems, multislide systems, and windows. All Panda Minimal Steel line products can be customized and configured in any way imaginable, and can be produced in a variety of finishes.

Narrow Sightlines

Expansive openings of steel and glass are perfect for enhancing natural views. The inherent strength of steel enables it to be molded in the thinnest profiles to unveil nearly unobstructed views.

Combining both function and form, our ultra-minimalist steel frames deliver elegance to both classic and modern architecture without compromising the view.

Flexibility and Customizability

Because steel can be easily molded and rolled to offer custom design & configuration options, it's easy to see why steel is a favorite material to work with among architects & engineers.

Equally at home in both modern architecture and historic buildings, steel window and door configurations are limited only by the imagination.

Energy Efficiency

Panda offers a variety of profiles that deliver the structural integrity and energy efficiency of steel. Expansive openings of glass and steel can also help improve building energy efficiency by increasing daylighting, allowing in cooling breezes, and harnessing the sun's warmth with passive solar heating.

Weather Protection

With state-of-the-art fabrication, durable finishes suitable for even coastal regions, and advanced thermally-broken systems, Panda offers weather protection for even the most extreme weather.



Profiles

Several profile options are available to complement your design goals:

→ M.40 Hot-Rolled Profile

This profile represents decades of modern technology advancements to legacy steel window profiles. Offering excellent acoustical and thermal performance, the M.40 hot-rolled profile is favored by architects for its ultra-slim sightlines and strength.

→ MT.50 Thermally Broken Profile

This profile offers the same thin profile and minimalist appearance as the M.40 Hot-Rolled Profile with added thermal performance, representing the most technologically advanced thermally-broken steel system available to meet today's extreme weather and highefficiency demands.

→ MBT.75 Bronze Profile

The MBT.75 Profile gives all projects a stunning architectural bronze finish. Embrace the natural patina of this living material, adding a touch of history or a modern edge to your project. This profile offers a versatile range of profiles and accessories, perfect for doors, windows, and even high-end partitions.

→ MST.75 Stainless Steel Profile

Unleash your architectural vision with the MST.75 Stainless Steel Profile. This innovative system lets you design bespoke stainless steel thermal break profiles, down to the finest detail. Imagine laser-welded flanges in any thickness, dimension, or style – with the MST.75 profile, the possibilities are endless.



What are the Different Types of Operable Windows?



Awning

Awning windows are typically used as vents and do not fully open. Awning windows are hinged at the top of the frame, swinging either inwards or out, with the opening facing the ground.



Casement

Casement windows feature fullarticulation and are able to open completely. Similar to our French doors, Casement windows hinge at the jamb and can swing inward or outward.

Hopper



Hopper windows are typically used as vents and do not fully open. Hopper windows are hinged at the base of the frame, swinging inwards, with the window opening facing the ceiling.



Fixed

All of our operable window frames are available as fixed systems in the form of transom, sidelite, or picture windows.

Fixed windows can be fabricated up to 80 sq. ft.

Tilt & Turn

Tilt & Turn windows are typically used in projects that require a dual-functioning window. Featuring double hinges (both the jamb and at the base), *Tilt & Turn windows are able to operate as a casement window as well as a hopper window.* All Tilt & Turn windows swing inwards due to the operation of the window.

Interested in a Panda product, and want to learn more?

Visit our website at **panda-windows.com** or scan a QR code to go to the full brochure:



(PANDA



THE ART OF LUXURY



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