



STEEL
STAINLESS STEEL
ARCHITECTURAL BRONZE
WINDOWS & DOORS

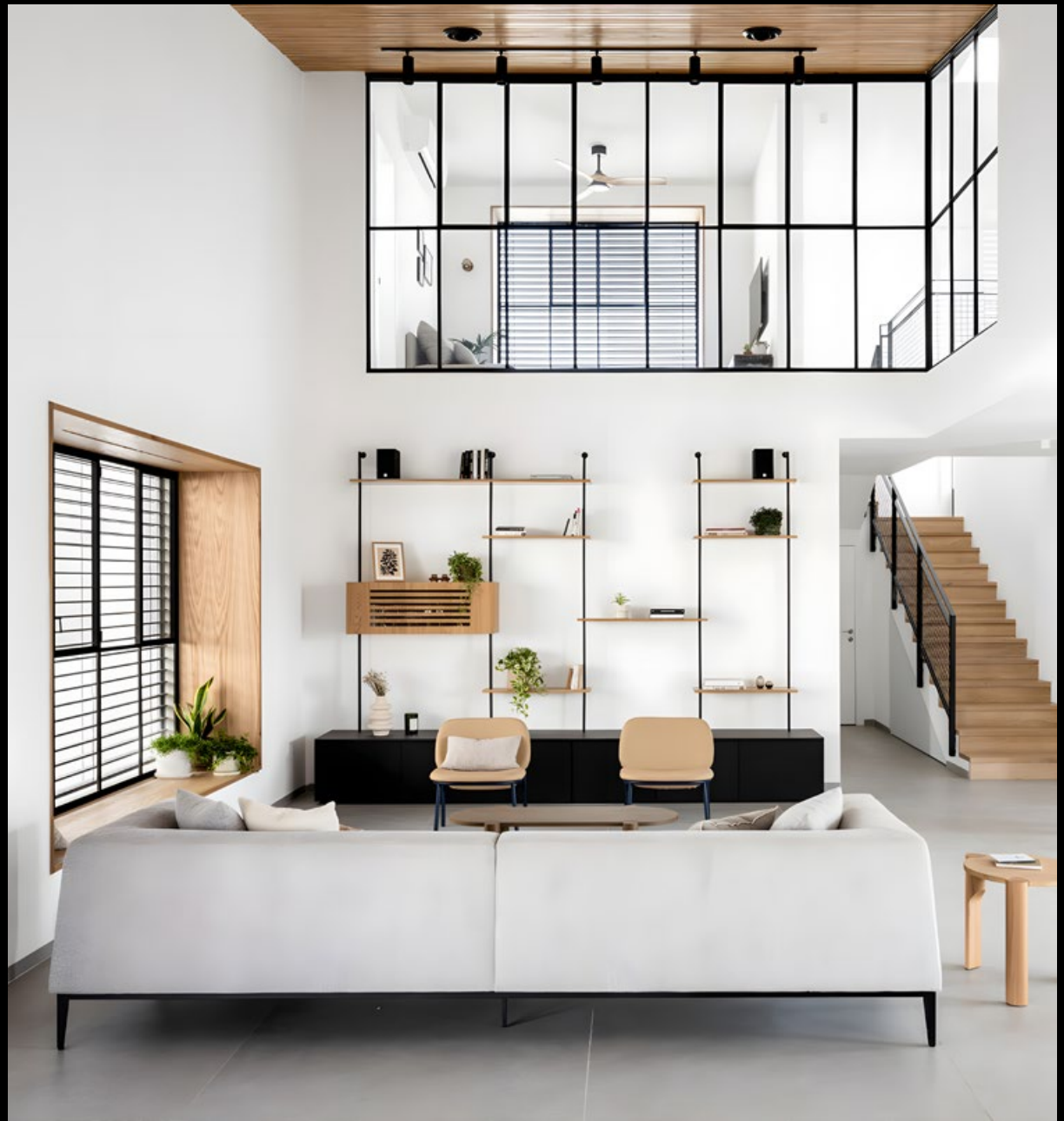
 **PANDA**
WINDOWS & DOORS

PANDA

WINDOWS & DOORS

Though Panda has been designing and fabricating aluminum windows and doors for over 30 years, in our continual quest for expansion and improvement, we opted to offer steel products to our discerning customers.

Panda Windows & Doors now proudly offers steel windows and doors to our North American market.









WHEN DESIGN AND TECHNOLOGY MEET GLASS & STEEL

Since the days of Frank Lloyd Wright, forward-thinking architects and designers have been incorporating steel glass doors and windows into their projects to create a seamless transition to the outdoors.

The sleek, crisp lines of steel make a bold statement that inspires warmth, creativity, and innovation while delivering timeless elegance and sophistication. Whether designing a dream home, constructing a commercial enterprise, or refurbishing an older building, steel windows and doors offer durability and elegance that is simply unmatched.

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WHEN THE VIEW MATTERS

TIMELESS BEAUTY

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.

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.





STRENGTH & FLEXIBILITY

STRONG & SECURE

There is simply no other option for window and door profiles that comes close to matching the strength and durability of steel. Panda enhances the natural strength of steel further with technologically advanced and durable finishes.

The strength of steel offers the opportunity to stretch panels to massive dimensions to cover large spans with steel and glass. Panda's steel windows and doors also offer the strongest barrier against unwanted intrusion.

FLEXIBLE & CUSTOMIZABLE

As 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.





UNMATCHED PERFORMANCE

ENERGY EFFICIENCY

Panda offers a variety of profiles that deliver the structural integrity and energy efficiency of steel. Options include thermally-broken profiles to further reduce steel's inherently low thermal transmission.

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.





SUSTAINABLE STEEL FOR GREEN BUILDINGS

WASTE REDUCTION / SUSTAINABLE MANUFACTURING

Steel is 100% recyclable with a long life-cycle compared to other construction materials as windows and doors made from steel have endured for years thanks to their inherent strength. Panda further enhances high-quality steel profiles with durable finishes to create sustainable doors and windows that are virtually maintenance-free and will last generations.

Steel production also creates minimal CO2 emissions, requires a relatively low amount of energy, is nontoxic and noncombustible, and creates minimal manufacturing waste.

OCCUPANT HEALTH / INDOOR AIR QUALITY

Connecting the natural world to the interior through biophilic design has been proven to improve the overall wellness of building occupants. Natural daylighting has been found to increase Vitamin D absorption, naturally boost productivity, lower fatigue, and improve immunity.

According to the EPA, many health problems caused by inadequate ventilation can easily be remedied by opening windows and doors to allow fresh air inside.

REGIONAL ENVIRONMENTS

Panda's durable finishes combined with weather-resistant and thermally-broken systems are designed to handle even the most extreme weather. From snowy mountain regions to hurricane-prone areas, Panda's steel products can be configured to meet any weather demands.





THE PANDA DIFFERENCE

Panda's handcrafted windows are in high demand due to our 20-year heritage reputation as the finest designer and supplier of premium steel-framed windows.

Panda's expertise in steel windows and doors has proven to hold the highest standard of design and quality.

Panda offers:

High-Quality Finishes. Advanced production & finishing processes include an exclusive hot zinc galvanizing method, ensuring durability for years to come.

Custom Solutions. Design options can be achieved regardless of the engineering hurdles faced.

Energy Efficient Profiles. Thermally-broken profiles deliver the structural integrity and energy efficiency of steel.

Slim Profiles & Narrow Sightlines. Combining both function and form, ultra-minimalist steel frames deliver elegance to both classic and modern architecture without compromising the view.



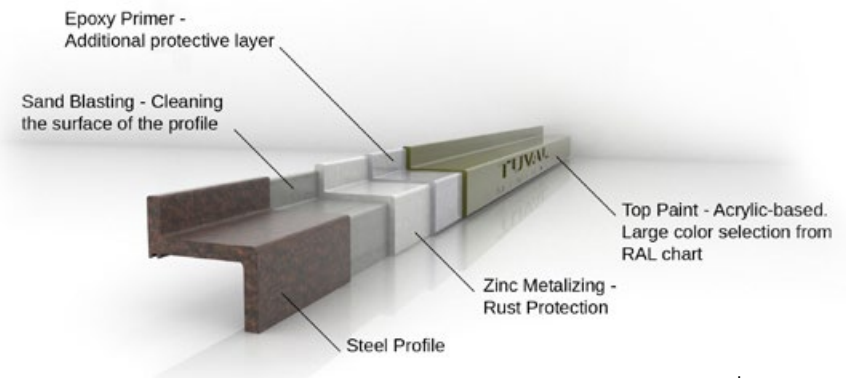
FABRICATION & FINISH

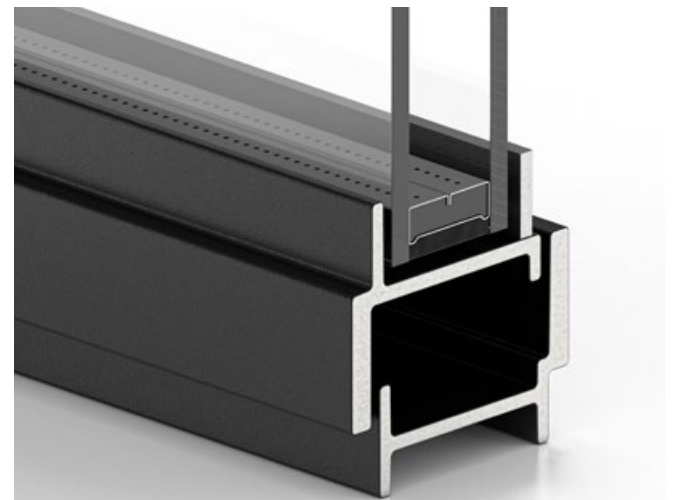
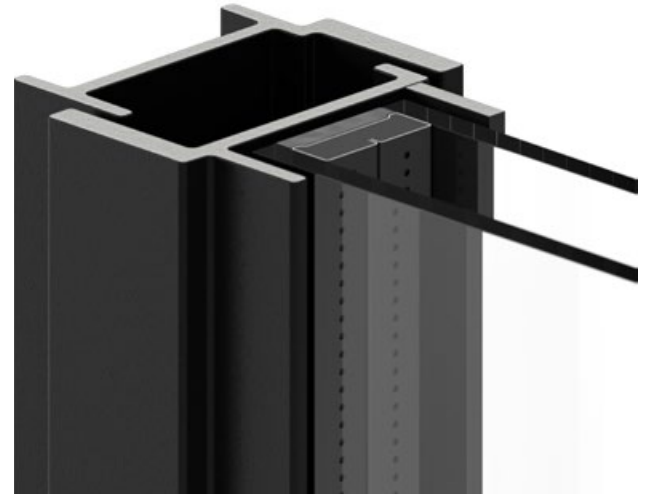
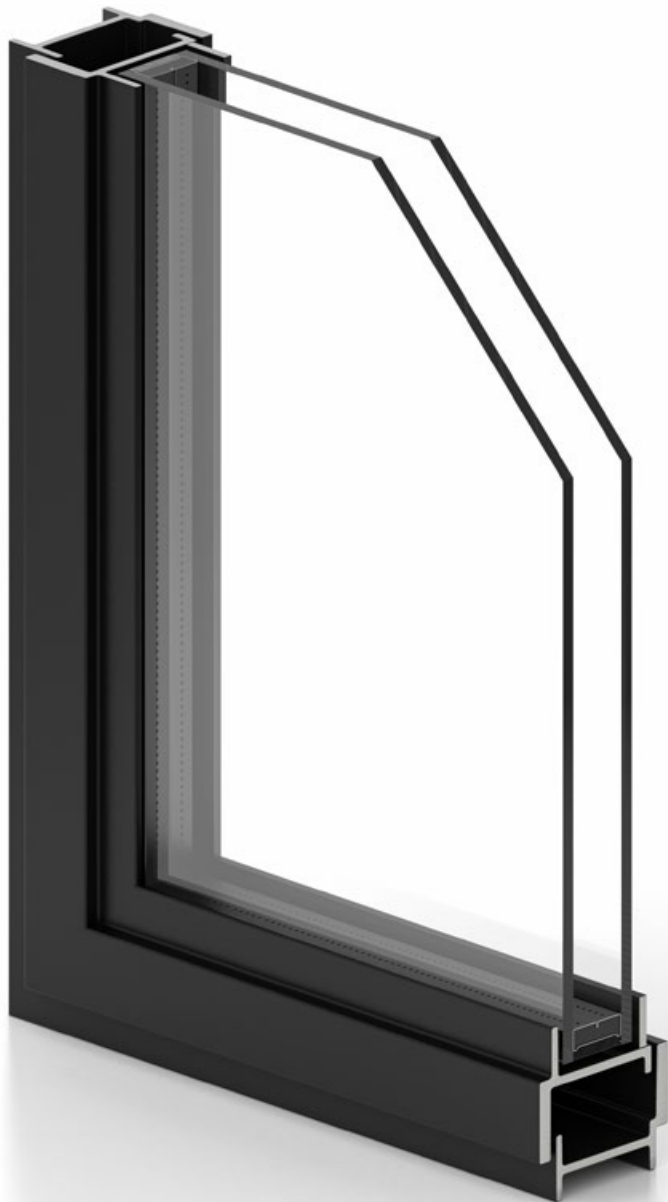
SUPERIOR RUST PROTECTION

Panda only uses top-quality steel to fabricate strong steel windows and doors that are sustainably built to last. Panda's precise fabrication and finish process ensures the finest level of finish, durability, and rust protection.

The first step in the process achieves a flawless raw finish through meticulous grinding and sandblasting. The frame is then immediately given a thick, protective coating of **Zinc Metallizing Spray** to protect the steel from corrosion and scratches. This advanced process allows for treatment of any size door or window and instantly seals the steel in an environmentally safe, rust-protective barrier.

The treated steel profiles are then given an epoxy-based, color-protective primer as an added layer of protection, followed by RAL wet paint finish and texture layer for a flawless finish that will last for generations.





M.40 PROFILE

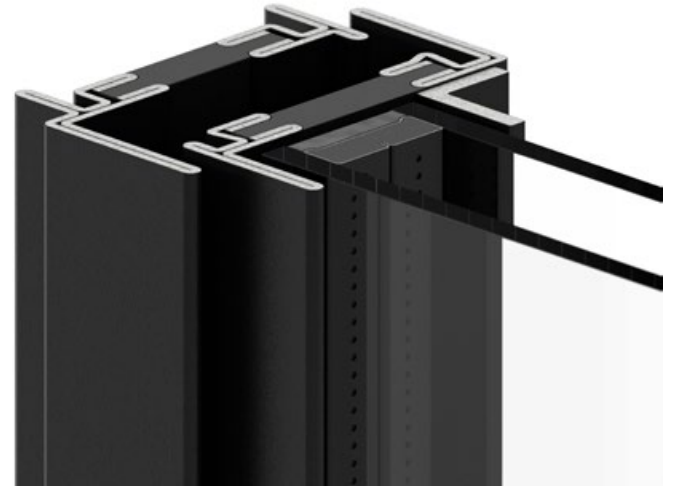
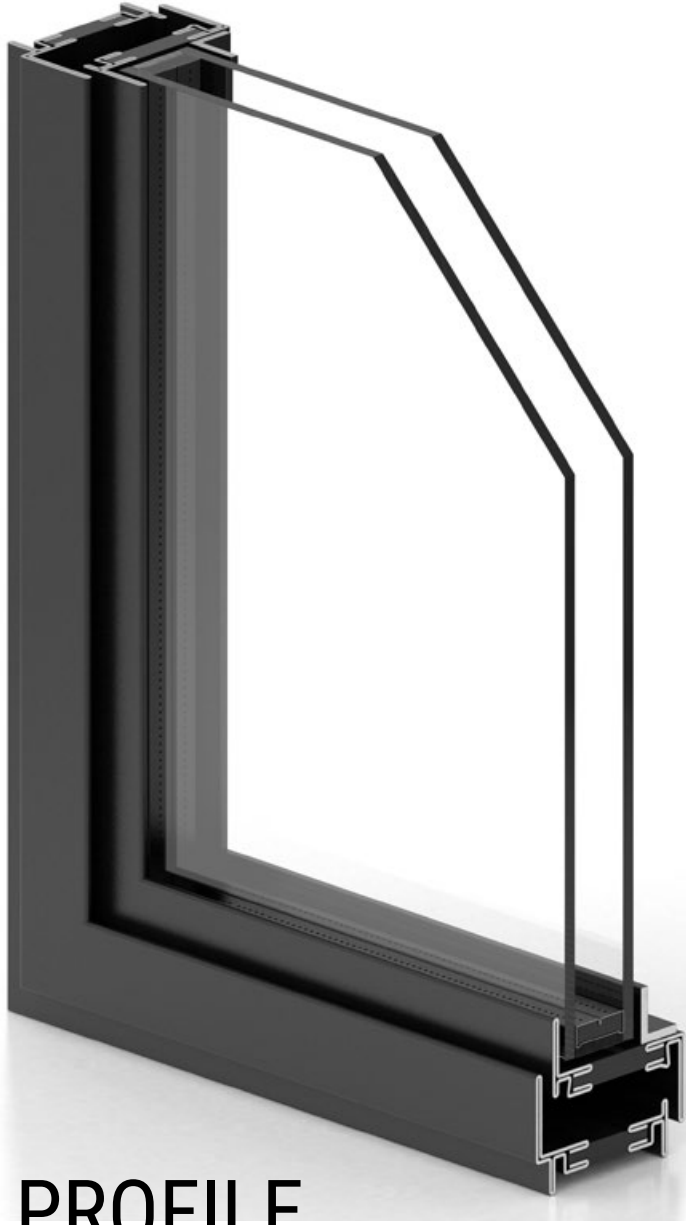
HOT-ROLLED STEEL

Panda's **M.40 Hot-Rolled 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.

FEATURES & BENEFITS

- Solid hot-rolled steel profiles
- Classic "stepped leg" design
- Precision, hot-rolled steel profiles of 5 mm thickness
- Self-adhesive non-shrinking gaskets
- Accommodates double and triple glazing up to 28 mm
- Choice of different glazing beads
- Compatible with 16 mm friction hinges
- Low U-Factor greater than 0.35
- Classic or modern designs available in custom configurations and finishes.





MT.50 PROFILE

THERMALLY BROKEN STEEL

Made from 1.5 mm top-quality steel joined with a high-density polyurethane insulator, Panda's cold-rolled **MT.50 Thermally Broken Profiles** offer the same thin profile and minimalist appearance as the MT.40 Hot-Rolled Profile with added thermal performance.

Panda's MT.50 steel profile represents the most technologically advanced thermally-broken steel system available to meet today's extreme weather and high-efficiency demands.

FEATURES & BENEFITS

- Offers excellent thermal performance with a Low U-Factor of >0.28
- Most minimal thermally-broken steel profile available with dual rubber seals
- Offers similar narrow sightlines of M.40 Hot-Rolled Profile
- Classic "stepped leg" design
- Mechanically fixed rebate gaskets
- Precision, cold-formed steel profiles of 1.5 mm thickness
- Accommodates double and triple glazing up to 37 mm
- Choice of different glazing beads
- Compatible with 16 mm friction hinges
- Classic or modern designs available in custom configurations and finishes.





MBT.75 PROFILE

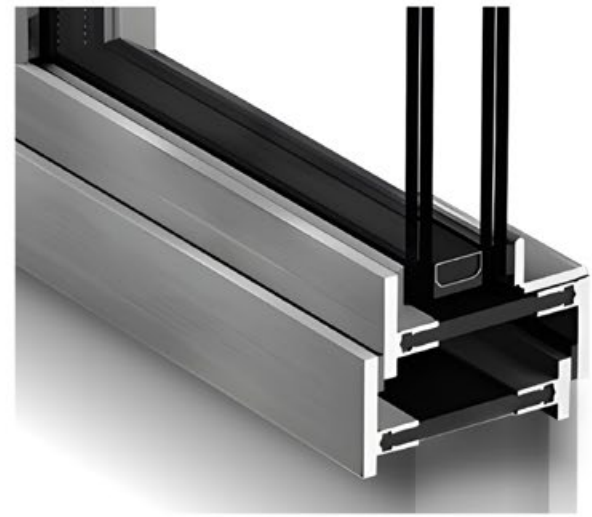
ARCHITECTURAL BRONZE

Classic elegance meets modern innovation. 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.

FEATURES & BENEFITS

- Solid architectural bronze extruded profiles, with a thickness up to 4mm
- External and internal overlapping sightlines
- Self-adhesive non-shrinking gaskets
- Profile depth compatible with insulating glass up to 31mm
- Wide choice of glazing beads
- Wide range of exclusive fittings, both contemporary and reproduced from original designs of the modern era
- Compatible with concealed fittings
- Side-hung, top-hung and bottom-hung windows, pivoting windows, sliding and folding doors
- Natural finish, or burnished in different shades





MST.75 PROFILE

STAINLESS STEEL

Unleash your architectural vision with the **MST.75 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 – the possibilities are endless.

FEATURES & BENEFITS

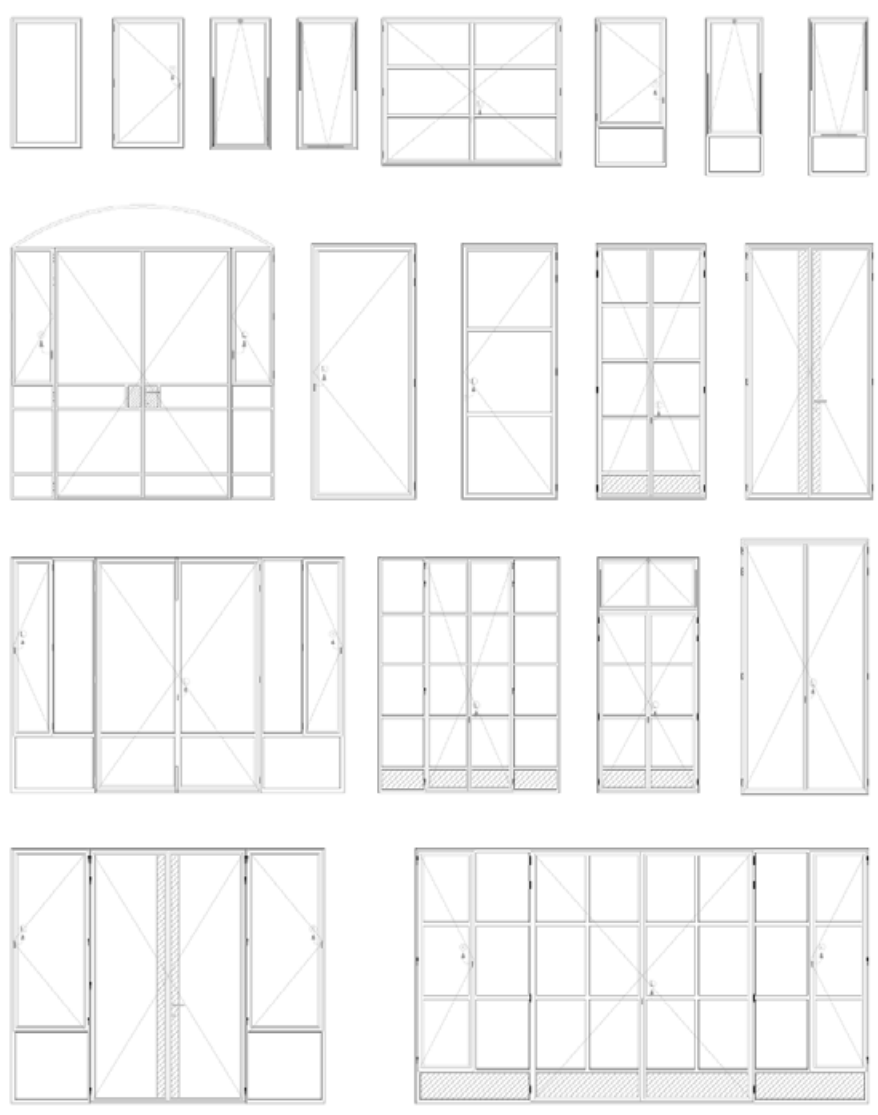
- Stainless Steel AISI 304 - 316L
- Custom Designs
- Self-adhesive non-shrinking gaskets
- Profile depth that is compatible with high performance insulating glass
- Thermal barrier in fiberglass reinforced polyamide
- Choice of different glazing beads
- Compatibility with commercial fittings
- Compatibility with friction hinges
- Side-hung, top-hung and bottom-hung windows surface finishes: satinizing or burnishing
- Coating in any RAL or customized colours, for great planning freedom



DESIGN YOUR OWN CONFIGURATION

M.40

M.50





PANDA STEEL WINDOWS

Panda steel windows offer sleek lines and minimal profiles to deliver a minimalist aesthetic and powerful architectural appeal.

Panda fabricates every window system according to exact design specifications. Windows are available in a variety of tracks, configurations, mullions, handles, glass, and finishes.

AVAILABLE WINDOW SYSTEMS

Casement

Casement windows feature full articulation and are able to swing in or out completely.

Awning

Awning windows are hinged at the top of the frame and are typically used as vents.

Hopper

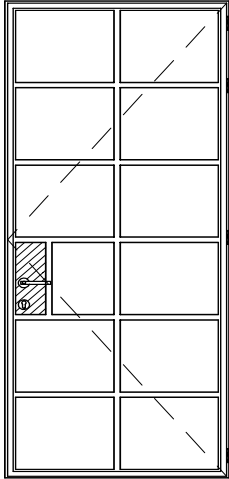
Hopper windows are hinged at the base of the frame and are typically used as vents.

Fixed

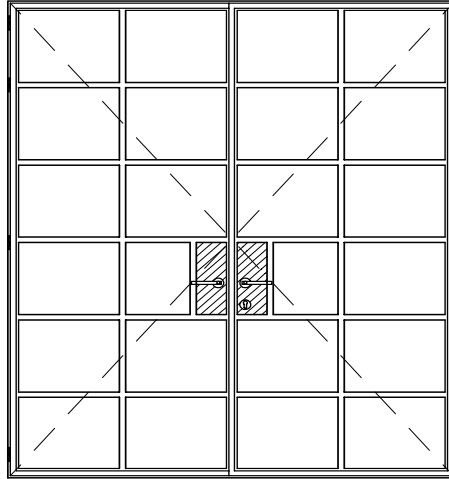
Panda window frames are available as fixed systems as a transom, sidelite, or picture window.

DESIGN YOUR OWN CONFIGURATION

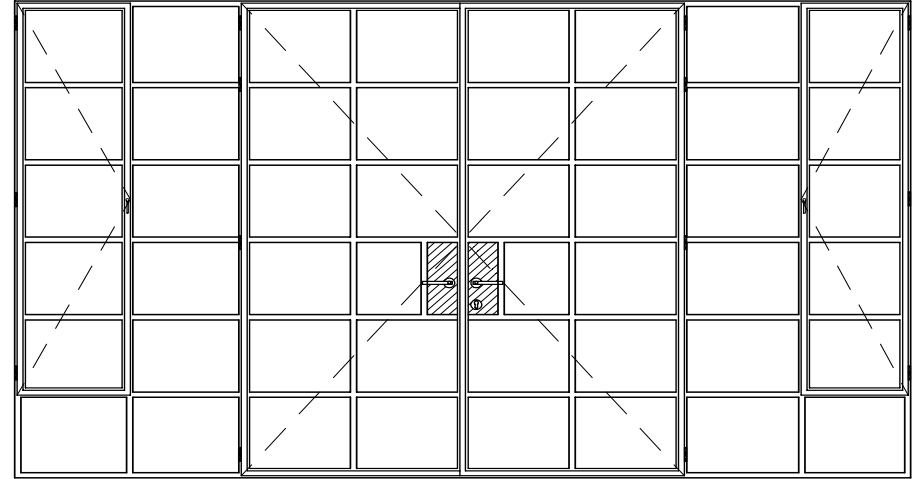
Panel sizes available up to
42" wide and 120" tall.



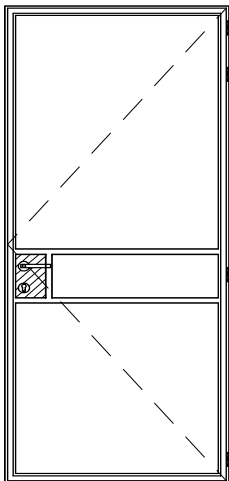
Single-Leaf Door
with Mullions



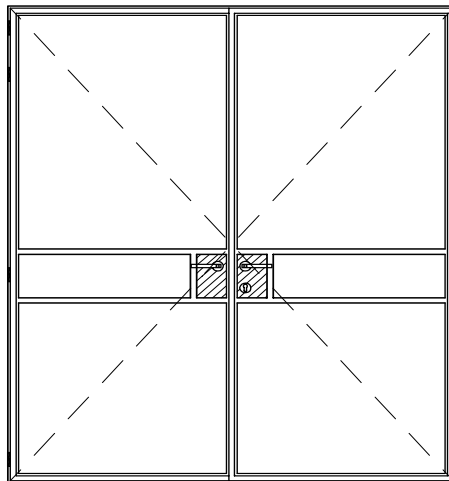
Double-Leaf Door
with Mullions



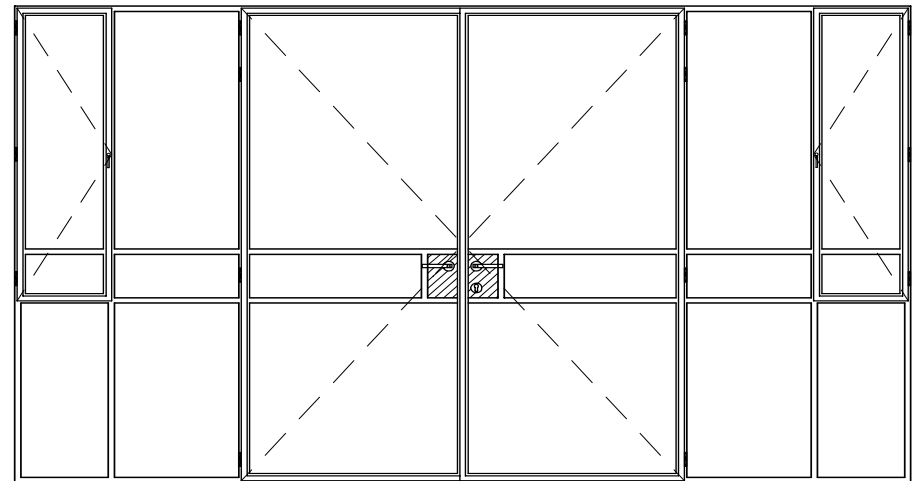
Double-Leaf Door and Side Lights
with Pair of Single-Leaf Side Hung Windows with Mullions



Single-Leaf Door
with Custom Mullions



Double-Leaf Door
with Custom Mullions



Double-Leaf Door and Side Lights
with Pair of Single-Leaf Side Hung Windows with Custom Mullions



PANDA STEEL SWING DOORS

Panda Swing Doors, also known as french or terrace doors, deliver performance with minimal sightlines and are designed to stand the test of time.

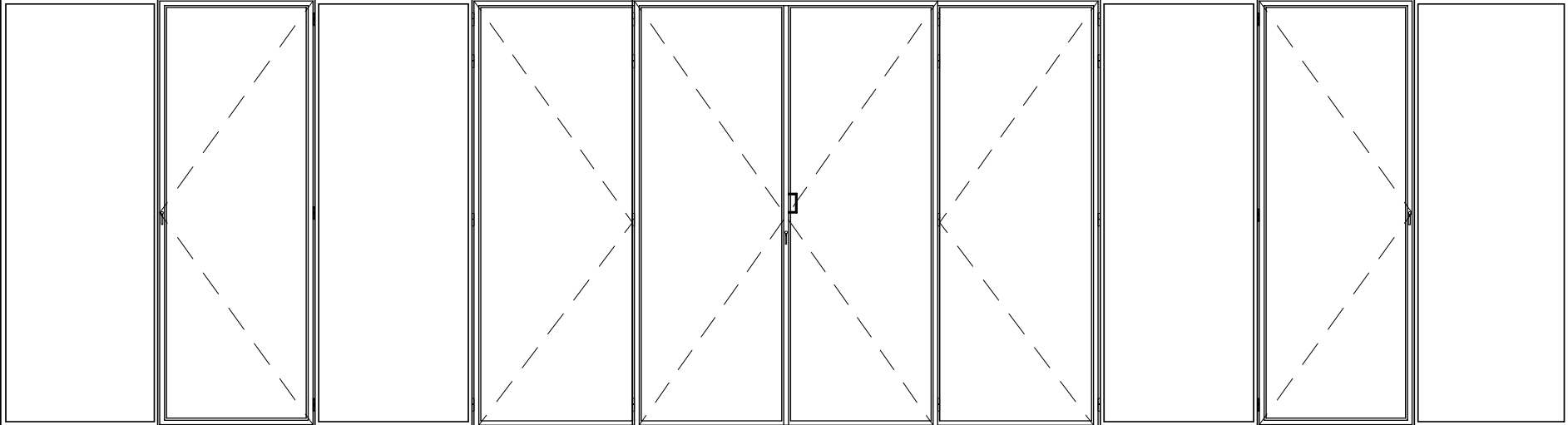
Panda fabricates every door system according to exact design specifications. Choose from a variety of tracks, configurations, mullions, handles, glass, and finishes.

FEATURES & BENEFITS

- State-of-the-art engineering featuring M.40 hot-rolled or MT.50 thermally-broken profiles make Panda Doors remarkably durable – even with repetitive, daily use.
- Quality brass hardware and hinges are welded directly to the profile to support the weight of each panel.
- Clear open space can be maximized to 90% when fully open.
- Panda steel profiles are protected against rust using Zinc-Metalizing Thermal-Spray.
- Multi-point locking mechanisms make Panda Doors reliably durable and maximally secure against forced entry.
- Classic or modern designs available in custom configurations and finishes.

DESIGN YOUR OWN CONFIGURATION

Panel sizes available up to
42" wide and 120" tall.



Fixed and Folding Doors





PANDA STEEL FOLDING DOORS

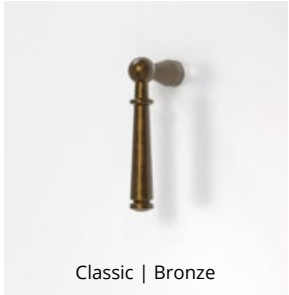
Also referred to as bi-fold doors or accordion doors, Panda's innovative Folding Doors are available as in-or out-swing configurations and feature EPDM rubber seals for improved weatherability.

Panda fabricates every door system according to exact design specifications. Choose from a variety of tracks, configurations, mullions, handles, glass, and finishes.

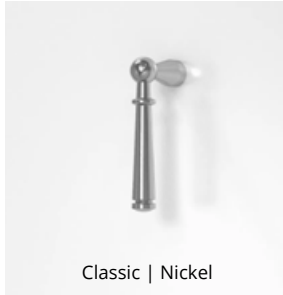
FEATURES & BENEFITS

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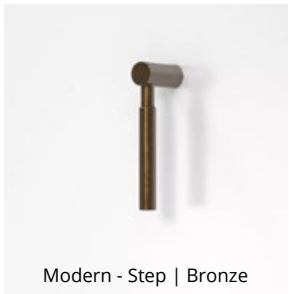
HANDCRAFTED WINDOW PULLS



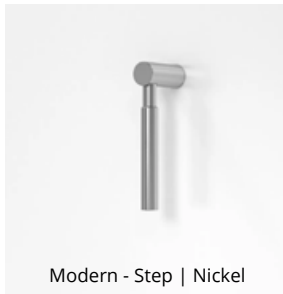
Classic | Bronze



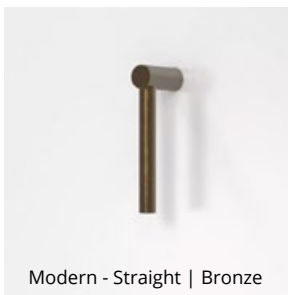
Classic | Nickel



Modern - Step | Bronze



Modern - Step | Nickel

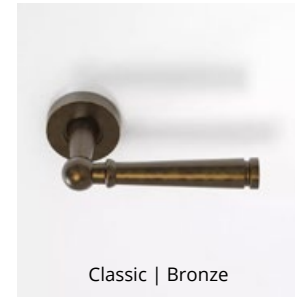


Modern - Straight | Bronze

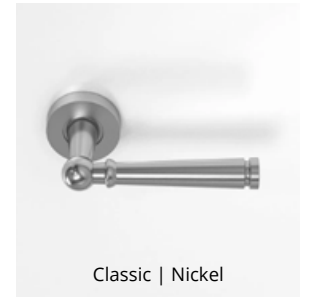


Modern - Straight | Nickel

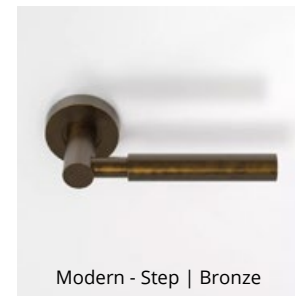




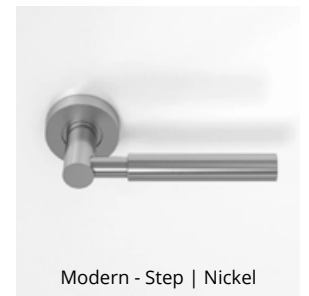
Classic | Bronze



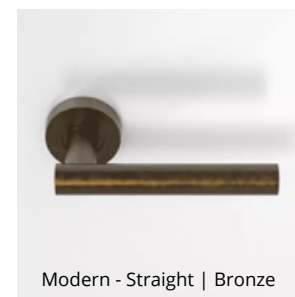
Classic | Nickel



Modern - Step | Bronze



Modern - Step | Nickel



Modern - Straight | Bronze



Modern - Straight | Nickel

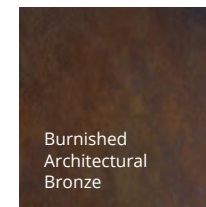
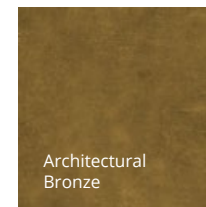
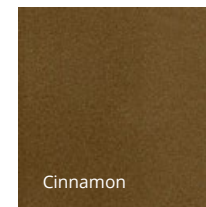
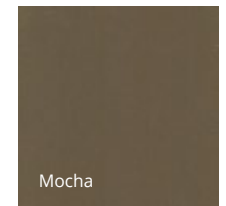
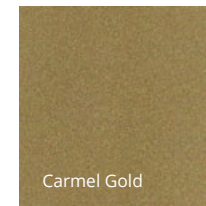
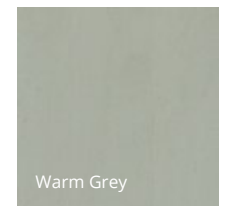
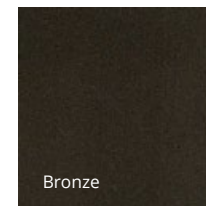
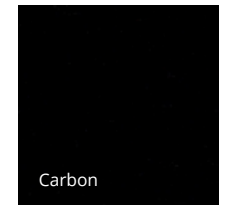
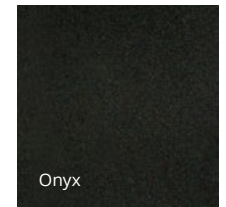
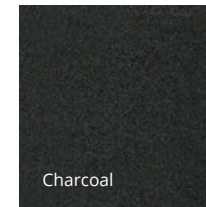




COLOR FINISHES

Panda offers a variety of standard finishes as well as custom color options.

As part of Panda's proprietary premium finish process, each steel profile is finished with a wet painted RAL color finish layer which is the optimal choice for steel window craftsmanship and guarantees a flawless finish.



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