



 **PANDA**
WINDOWS & DOORS



**Lift & Slide
Doors**



Quality

Engineering and Craftsmanship

We've been designing European-inspired windows and doors for over 30 years, catering to custom luxury residential and commercial projects.

Our dedicated team of engineers focuses on innovation and excellence, delivering industry-leading, premium-grade products.

Materials

Extrusions and Hardware

We source only the finest materials from the leading suppliers around the world. Products are made from abundantly available, highly recyclable, and sustainable materials.

Our hardware is designed in-house and features patented innovations, guaranteeing exceptional product fidelity and performance.



Custom

Bespoke and Innovative

Choose from over 80 state-of-the-art products, including sliding, folding, stacking, swinging, and pivoting options, all customizable to your exact specifications.

We offer select premium features such as automation, smart home integration, biometric smart locks, smart glass technology, and much more.

Service

Tailored and Reliable Support

An experienced team is just a call or a click away. So whether you need onsite support, a replacement part, or guidance over the phone, we're committed to resolving the issue quickly.

You can count on our exceptional customer support backed by a 10-year Warranty. Enjoy your windows, your doors, and your peace of mind.





Highlights

Panda's Lift & Slide doors represent the best-in-class systems on the market. We offer the largest selection of lift and slide doors, the industry's only fully automated lift and slide, and the highest weather and tamper resistance ratings.

Dazzling Sizes

Can soar to an incredible 24 feet in height or 16 feet in width and are only limited by the maximum surface area of the glass. Frame widths have no limits.

Effortless Operation

Non-corrosive rolling hardware ensures silky smooth operation with just the push of a finger, even with exceptionally heavy panels.

Maximum Security

Feature a concealed multi-point locking system, with panels that rest securely on the ground, delivering maximum security and weather resistance.

Peak Performance

Industry-leading structural ratings and impact resistance to meet the most stringent commercial building codes.



Highlights at a Glance

Max. Panel Height	288"
Max. Panel Width	192"
Max. Frame Width	Unlimited
Max. # of Panels	5 Single Direction or 10 Bipart Unlimited on Recessed Tracks
Impact-Rated Options	Available
ADA-Rated Options	Available



10
YEAR









WARRANTY

MADE IN THE U.S.A.





Specifications

								
Model	LIS.10	LIS.14	LS.85	LTS.19	LTS.87	LWIS.14	LWS.11	LWTS.13
Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum Wood Clad	Aluminum Wood Clad	Aluminum Wood Clad
Thermally Broken	-	-	-	Yes	Yes	Yes*	Yes*	Yes
Impact Rated	Yes	Yes	-	-	-	Yes	-	-
Style	Modern	Modern	Modern	Modern	Modern	Modern to Traditional	Modern to Traditional	Modern to Traditional
Maximum Panel Height	252"	288"	144"	216"	144"	288"	168"	168"
Maximum Panel Width	192"	192"	96"	192"	96"	192"	192"	192"
Maximum Frame Width	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Maximum Panel Weight	1000 lbs	1000 lbs	1000 lbs	1000 lbs	1000 lbs	1000 lbs	1000 lbs	1000 lbs
Maximum Panel Count	Unlimited	Unlimited	Unlimited	Unlimited	5 Surface [‡] Unlimited Recessed	Unlimited	Unlimited	Unlimited
Panel Depth	2 3/4"	2 3/4"	1 15/16" Rail 2 1/16" Stile	2 3/4"	1 7/8"	3 1/2"	2 3/4"	3 7/8"
Interlock Thickness	4"	4 7/16"	2 3/4"	4"	4"	4 15/16"	4 3/8"	4 3/8"
Stile and Rail	3 15/16"	4 7/16"	2 3/4"	4"	3 5/8"	4 7/16"	3 15/16"	4"
Lock Type	Concealed Multi-Point	Concealed Multi-Point	Concealed Multi-Point	Concealed Multi-Point	Concealed Multi-Point	Concealed Multi-Point	Concealed Multi-Point	Concealed Multi-Point
U-Factor[†]	-	0.62	-	0.32 @ VUE140	0.44	0.39	0.47	0.37
SHGC	-	0.21	-	0.32 @ VUE140	0.21	0.21	0.21	0.20
Screen Options	Retractable, Sliding	Retractable, Sliding	Retractable, Sliding	Retractable, Sliding	Retractable, Sliding	Retractable, Sliding	Retractable, Sliding	Retractable, Sliding

* This system features an air break—an insulating air cavity surrounding the panel—which minimizes thermal conduction and enhances energy efficiency and indoor comfort.

** Solid wood is among the most effective thermal insulators, and solid wood systems provide the highest form of thermal performance.

‡ Surface tracks can accommodate 5 panels in one direction, or 10 panels total for bi-parting systems (5 in each direction).

† U-Factors are based on Cardinal 366 Low-E glass unless stated otherwise.

Specifications



Model	LWWAS.15	LWWS.12	LS.30	LTS.30	LWS.31	LWTS.31	LMT.70
Material	Wood w/ Aluminum Core	Solid Wood	Aluminum	Aluminum	Aluminum Wood Clad	Aluminum Wood Clad	Steel
Thermally Broken	Yes*	Yes**	-	Yes	-	Yes	Yes
Impact Rated	-	-	-	-	-	-	-
Style	Traditional	Traditional	Modern	Modern	Modern to Traditional	Modern to Traditional	Modern
Maximum Panel Height	144"	144"	144"	144"	120"	120"	120"
Maximum Panel Width	96"	192"	108"	108"	108"	108"	108"
Maximum Frame Width	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Maximum Panel Weight	1000 lbs	1000 lbs	880 lbs	880 lbs	880 lbs	880 lbs	880 lbs
Maximum Panel Count	Unlimited	Unlimited	5 Surface [†] Unlimited Recessed	5 Surface [†] Unlimited Recessed	5 Surface [†] Unlimited Recessed	5 Surface [†] Unlimited Recessed	5 Surface [†] Unlimited Recessed
Panel Depth	3"	2½"	2¾"	2¾"	2¾"	2¾"	2"
Interlock Thickness	4¼"	4¼"	3¾"	3¾"	3¾"	3¾"	1¾"
Stile and Rail	2½"	2½"	2½"	2½"	2½"	1¾"	1¾" Stile, Top 2½" Bottom
Lock Type	Concealed Multi-Point	Concealed Multi-Point	Concealed Multi-Point	Concealed Multi-Point	Concealed Multi-Point	Concealed Multi-Point	Concealed Multi-Point
U-Factor [†]	-	-	0.52 @ multi-slide	0.45 @ multi-slide	0.37 @ multi-slide	0.32 @ multi-slide	-
SHGC	-	-	0.22 @ multi-slide	0.21 @ multi-slide	0.22 @ multi-slide	0.21 @ multi-slide	-
Screen Options	Retractable, Sliding	Retractable, Sliding	Retractable, Sliding	Retractable, Sliding	Retractable, Sliding	Retractable, Sliding	Retractable, Sliding

Looking for something bigger? Our team can design doors bigger than recommended sizes. Reach out today!

Handles



Priamo

Satin Chrome

Black 9005



Enea

Satin Chrome

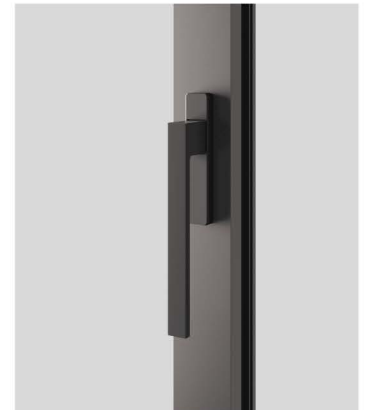
Black 9005



Laser

Satin Chrome

Black 9005



Q-Arte

Satin Chrome

Dark Bronze

White



Recessed Handle

Silver

White

Brown

Black



Hoppe Folding Handle

Rustic Umber
(Dark Bronze)

Alpine Forest
(Brushed Nickel)

Matte Black

Upgrade

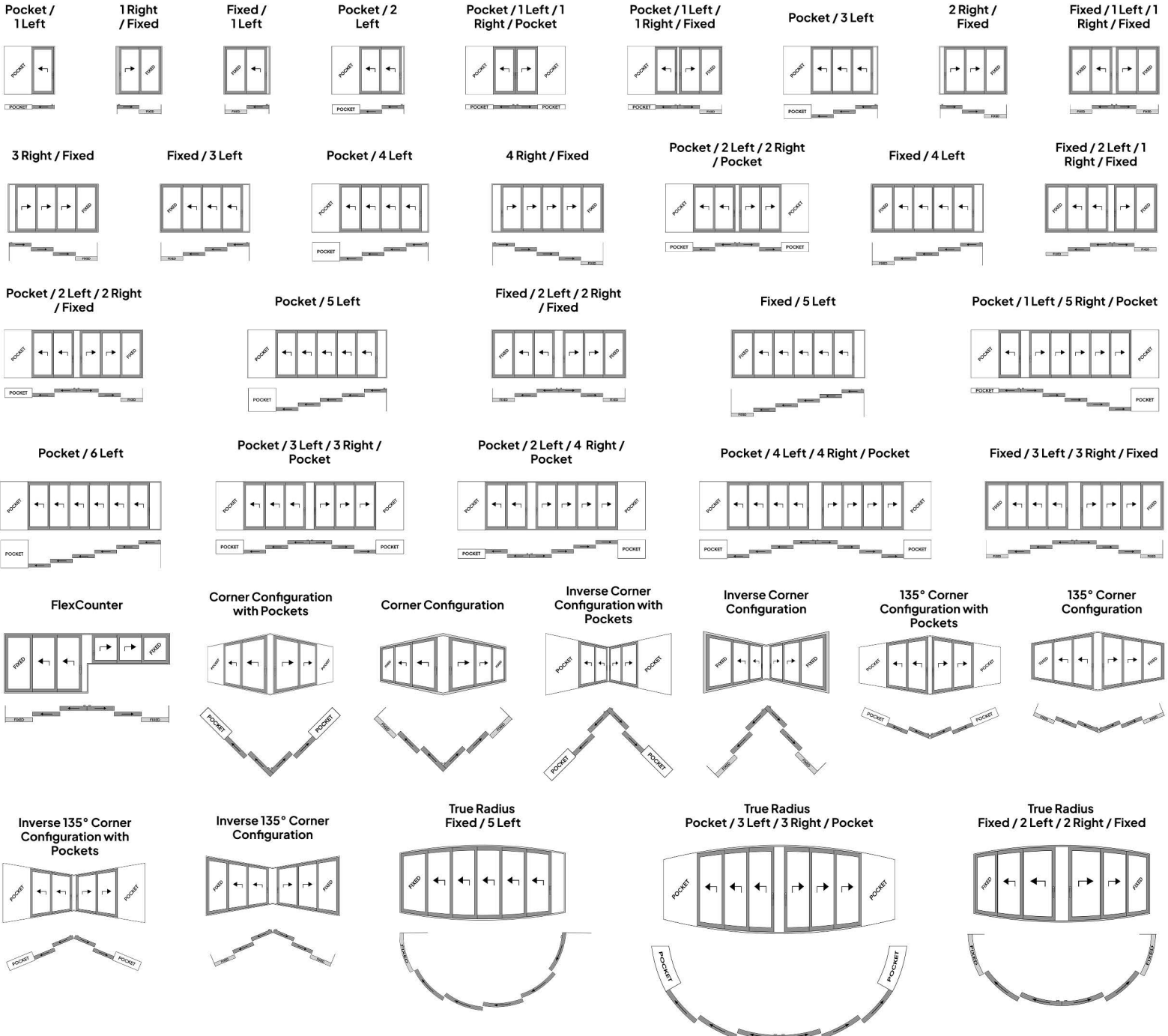


Temporary Handle

Powder Coated to Match

Unavailable for PandaSelect systems, the LS.85, the LWWAS.15, or the LTS.87.

Configurations



The illustrations on this page are just a few examples of the configurations available for Lift & Slide Doors.

Illustrations viewed from the exterior. Hardware is shown for illustration purposes.

Tracks

5/16" ADA Surface Track

Upgrade

1/2" Surface Track with Sill Pan
Exclusive to LIS.10, LWS.11, LTS.19, LIS.14

1 1/8" Surface Drainage Track
Exclusive to PandaSelect systems

1 1/4" ADA Recessed Track

Clear Anodized only

1 1/4" ADA Recessed Drainage Track

Clear Anodized only

Upgrade

2 1/2" ADA Recessed Track

Clear Anodized only

Upgrade

2 1/2" ADA Recessed Drainage Track

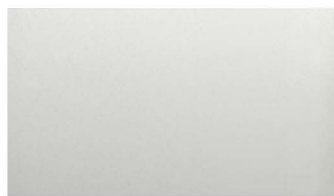
Clear Anodized only

Upgrade

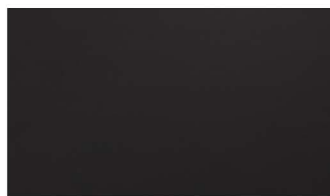
2 1/2" ADA Recessed Drainage Track (with Retention Track)

Clear Anodized only

Track Color Options



Clear Anodized



Dark Bronze Anodized



Automation



One-Step Automation



Experience effortless operation with our one-step lift & slide automation.

After manually unlocking the panels, our advanced motors smoothly guide them along the track, providing a seamless and elegant transition between indoor and outdoor spaces.

This system offers convenience and ease of use, making it ideal for homeowners seeking a touch of luxury and effortless control.

Two-Step Automation

For the ultimate in convenience, our two-step lift & slide automation delivers a completely hands-free experience.

With the touch of a button or a voice command, the system automatically unlocks and slides the panels along the track, creating a seamless opening.

This innovative solution enhances both safety and security while adding a touch of sophistication to your home.

Exclusive to LIS.10, LWS.11, LWTS.13, LIS.14, LWS.14, and LTS.19 systems.



Step 1: Lift



Step 2: Slide

Controls



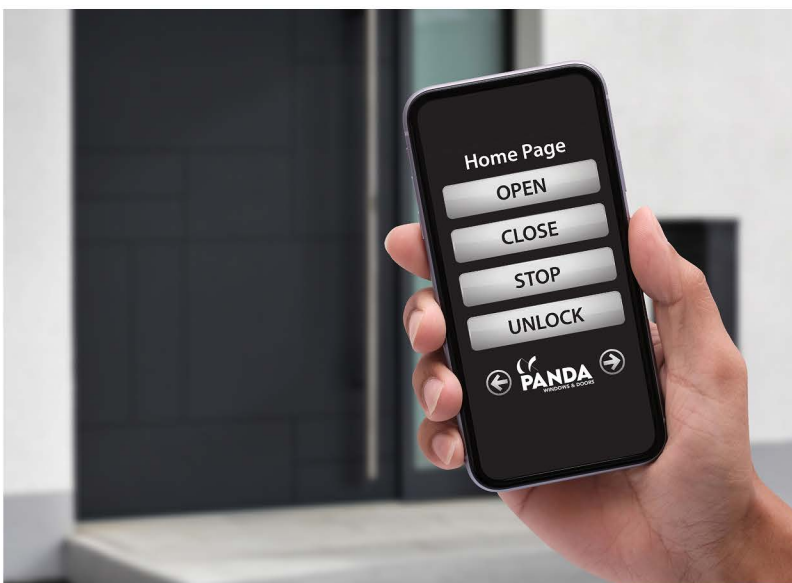
9-in-1 Touchscreen

9-in-1 Touchscreen: Offers a user-friendly interface with features like timer functions, custom backlighting, and custom security settings.

Smartphone App: Control your systems via the intuitive app. Available on both iOS and Android platforms.

Voice Command: Control your automated doors with your smart home ecosystem by using voice commands through platforms like Google Home, Alexa, and Siri.

Wall Switch: Control your doors with wall switches, offering features like self-close, auto-open, speed control, and security codes. Available in black or white.



Smartphone App

Remote Fob: Enjoy the convenience of remote control for your systems with a range of up to 75 feet.

Fingerprint Scanner: Enhance security and convenience with biometric access control.

Exterior Keypad: This durable and weatherproof keypad provides secure exterior access with a user-defined code.

Motion Sensor: This exterior motion sensor, mounted on the lead panel, offers hands-free entry and provides an added layer of safety. Can be activated by motion (head track) or by approaching the system (flush mount).



Tailored to You

At Panda Windows and Doors, we understand that every project is unique. Our commitment to customization extends beyond standard product offerings to encompass project-specific testing and engineering.

Whether you're facing the relentless winds of a coastal region or the extreme temperature fluctuations of a high-altitude environment, our team can design and test systems to meet your exact needs.

Engineered Solutions

By leveraging advanced engineering techniques and rigorous testing protocols, we ensure that our products deliver optimal performance in even the most demanding conditions.

Test Results

Panda Windows and Doors prioritizes rigorous testing and certification, with nearly all products independently verified by the NFRC and AAMA, including six HVHZ-approved options. This commitment to quality ensures superior performance, energy efficiency, and security for homeowners and builders alike.

LIS.10 All Aluminum IMPACT Lift & Slide

AAMA / WDMA / CSA 101 / I.S.2 / A440-17

Performance Grade	90
Design Pressure	±4802 Pa (±100.3 psf)
Air Infiltration	<0.1L/s/m ² (0.2 cfm/ft ²)
Water Penetration Resistance	718 Pa (15.0 psf)
Structural Test Pressure	±7201 Pa (±150.4 psf)
Florida Approval Number	FL 28350.1

LIS.14 All Aluminum IMPACT Lift & Slide

AAMA / WDMA / CSA 101 / I.S.2 / A440-17

Performance Grade	100
Design Pressure	±4802 Pa (±100.3 psf)
Air Infiltration	<0.1L/s/m ² (0.15 cfm/ft ²)
Water Penetration Resistance	958 Pa (20.0 psf)
Structural Test Pressure	±7201 Pa (±150.4 psf)
Florida Approval Number	FL 17457.1

LTS.19 All Aluminum Thermally Broken Lift & Slide

AAMA / WDMA / CSA 101 / I.S.2 / A440-17

Performance Grade	60
Design Pressure	±2880 Pa (±60.15 psf)
Air Infiltration	<0.1L/s/m ² (0.2 cfm/ft ²)
Water Penetration Resistance	580 Pa (12.11 psf)
Structural Test Pressure	4320 Pa (±90.23 psf)
Florida Approval Number	-

LWIS.14 Aluminum / Wood Clad IMPACT Lift & Slide

AAMA / WDMA / CSA 101 / I.S.2 / A440-17

Performance Grade	100
Design Pressure	+4802 Pa (±100.3 psf)
Air Infiltration	<0.1L/s/m ² (0.15 cfm/ft ²)
Water Penetration Resistance	958 Pa (20 psf)
Structural Test Pressure	7201 Pa (±150.4 psf)
Florida Approval Number	FL 17457.1

Test Results

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LWTS.13 Aluminum / Wood Clad Thermally Broken Lift & Slide

AAMA / WDMA / CSA 101 / I.S.2 / A440-17

Performance Grade	60
Design Pressure	+3361 / -2882 Pa (+70.2 / -60.2 psf)
Air Infiltration	0.1 L/s/m ² (0.25 cfm/ft ²)
Water Penetration Resistance	958 Pa (20 psf)
Structural Test Pressure	-
Florida Approval Number	-

LTS.30 PandaSelect All Aluminum Thermally Broken Lift & Slide

AAMA / WDMA / CSA 101 / I.S.2 / A440-17

Performance Grade	55 LC; 30 CW
Design Pressure (LC)	±2880 Pa (±60 psf)
Design Pressure (CW)	±1436 Pa (±30 psf)
Air Infiltration	<0.1 L/s/m ² (0.15 cfm/ft ²)
Water Penetration Resistance	400 Pa (8.35 psf)
Structural Test Pressure	±4320 Pa (±90.23 psf)

LWTS.31 PandaSelect Aluminum / Wood Clad Thermally Broken Lift & Slide

AAMA / WDMA / CSA 101 / I.S.2 / A440-17

Performance Grade	40
Design Pressure	±2160 Pa (±45.11 psf)
Air Infiltration	0.1 L/s/m ² (0.23 cfm/ft ²)
Water Penetration Resistance	510 Pa (10.65 psf)
Structural Test Pressure	±2880 Pa (±60.15 psf)
Florida Approval Number	-





Glass

All Panda Lift & Slide Systems come standard with Dual glazed, Low-E, Tempered glass for improved energy efficiency and security.

Additional glass options include:

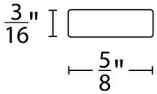
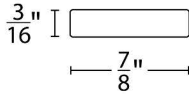
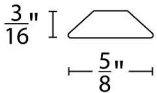
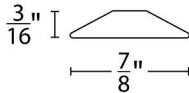
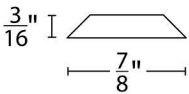
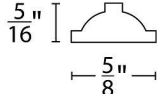
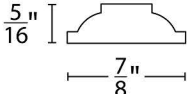
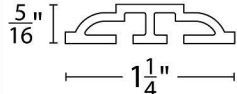
- Low-E
- Triple-Glazed
- Tempered
- Tinted
- Gas Filled
- Obscured
- Laminated
- Spandrel
- Impact Resistant
- Switchable Glass

Standard Glass Thicknesses

$\frac{3}{16}$ " | $\frac{3}{4}$ " | 1" | $1\frac{5}{16}$ " | $1\frac{7}{16}$ "

Other glass OA sizes available upon request

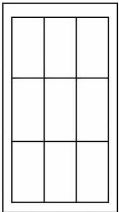
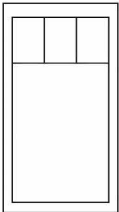
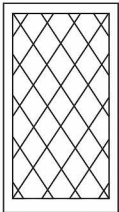
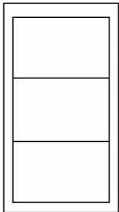
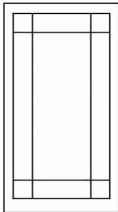
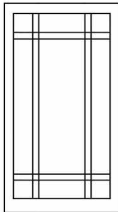
SDL Shapes

 <p>Flat - Narrow</p>	 <p>Flat - Wide</p>
 <p>Putty - Narrow</p>	 <p>Putty - Wide</p>
 <p>Bevel</p>	 <p>Ogee - Narrow</p>
 <p>Ogee - Wide</p>	 <p>Ogee - Double Wide</p>

Consult with your Panda representative for SDL compatibility.



Grilles

 <p>Colonial</p>	 <p>Craftsman</p>	 <p>Diamond</p>	 <p>Ladder</p>	 <p>Prairie</p>	 <p>Double Prairie</p>
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Grille patterns can be customized to feature more or less dividing lites.

Materials

Unparalleled quality matched with incredible durability

All products are made with abundantly available, highly recyclable, and sustainable materials - Aluminum, Steel, Stainless Steel, Bronze, and Wood.

Aluminum

A highly versatile material capable of a wide range of shapes and finishes

- Affordable and low-maintenance
- Durable and highly customizable
- Thermally broken and energy efficient
- Superior thermal efficiency



Steel

Sleek and incredibly thin profiles that deliver unmatched durability and timeless elegance

- Exceptional strength and structural support
- Industrial and contemporary design aesthetic
- Forced entry and fire resistant
- Superior thermal efficiency



Stainless Steel

The luxurious and ultra-modern alternative to steel, providing unparalleled elegance and allure

- Exceptional strength and structural support
- Forced entry and fire resistant
- Outstanding rust and corrosion resistance
- Superior thermal efficiency



Architectural Bronze

A warm and inviting aesthetic with many of the same benefits of steel

- Exceptional strength and structural support
- Durable and low-maintenance
- Unparalleled rust and corrosion resistance
- Energy efficient and thermally broken



Wood

Naturally beautiful and full of character without compromising performance

- Durable and highly customizable
- Natural thermal and sound insulation
- Timeless and naturally inviting character
- Sustainable and highly recyclable



Finishes

Tailored finish options to perfectly suit your climate and vision

These high-quality finishes are designed to provide lasting beauty and robust protection that you can rely on.



Powder Coat

Color match or select from 25 Powder Coat colors available in AAMA 2604/2605, and Metallic/Bonded.

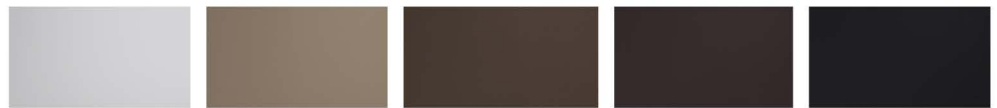
FEATURED



Anodized

For best-in-class corrosion resistance and durability, ideal for coastal applications.

FEATURED



Kynar Paint

Renowned for its exceptional color retention and sun-resistance, Kynar Paint stays vibrant even in the harshest climates.

FEATURED



Faux Wood

Enjoy the rich texture and natural look of real wood, with the strength and durability of aluminum.

FEATURED



Wood

Select from timeless classics like Pine or Poplar, or exotic species like Cherry, Mahogany, Maple, and more.

FEATURED





PANDA

WINDOWS & DOORS

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Made in America
30+ years experience



Approved
Continuing
Education

