

MAX WINDOW SYSTEM



PRL

Aluminum
ARCHITECTURAL PRODUCTS



PRL MAX WINDOWS

The **Max Window** System features a triple-seal gasket assembly that enhances air and water infiltration resistance under demanding field conditions. Thermally broken **aluminum** construction, an **ultra-narrow 2 5/8" sightline**, and concealed hardware work together to optimize structural efficiency while supporting multiple operational configurations.

Designed for **residential** and **commercial** applications, the system is available with **nail fin** or **block frame** configurations and is designed to accommodate 1" insulating glass units or optional impact-resistant glazing, in compliance with stringent energy performance, security, and extreme-weather requirements.

Multi-point locking mechanisms and versatile frame configurations ensure robust installation compatibility and long-term performance stability.



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www.prlaluminum.com



Max Window system delivers *thermally broken* profiles with an elegant and **slim** sightline *and* concealed hardware. Perfectly **balancing** *installer-friendly* efficiency *with* exceptional overall **performance**.

Expertly *designed* &
precision engineered

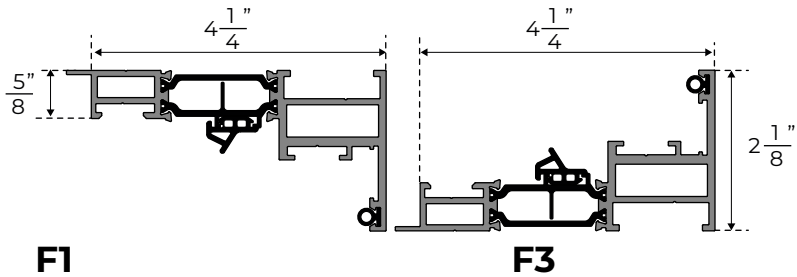


The PRL Max Window with **block frame** is intended for *masonry openings* where no exterior flange is required. It allows **direct** anchorage to concrete, block, or finished openings, providing a clean perimeter detail and reliable structural performance.

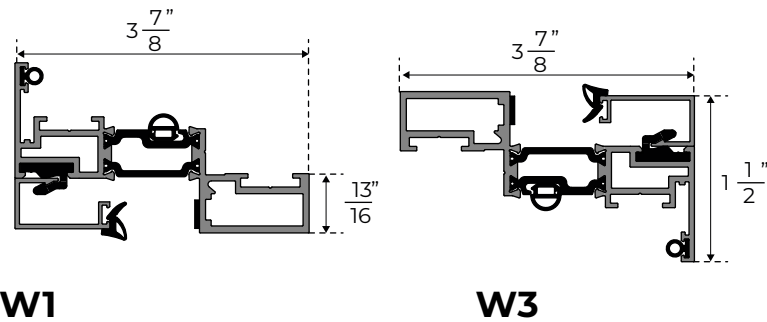
PRL MAX AWNING WINDOW | BLOCK FRAME
CRANK OUT **MAX 42" X 84"**

MAX WINDOW | PROFILES

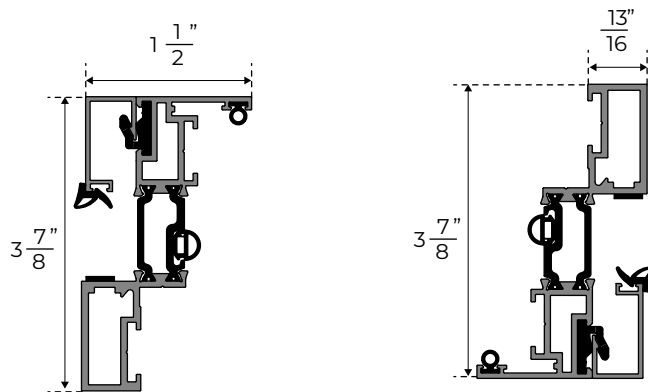
F1 | F3 HEAD | SILL - OUTER FRAME



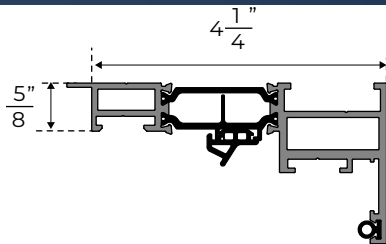
W1|W3 TOP | BOTTOM - WINDOW SASH



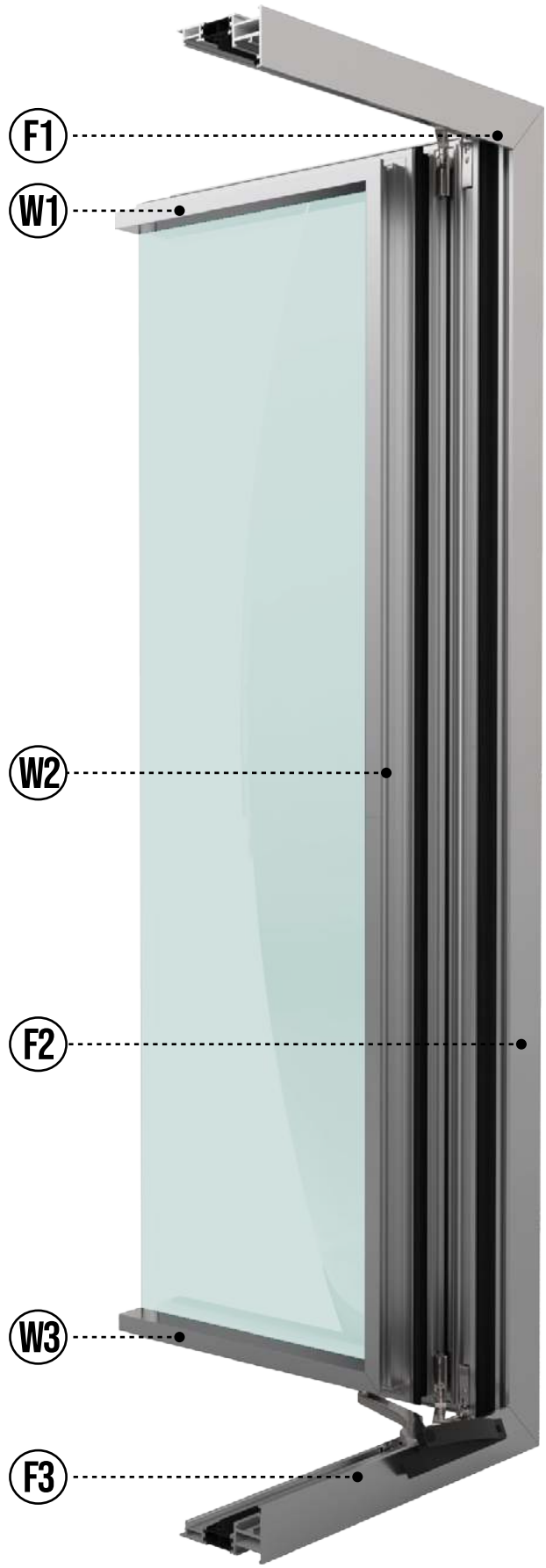
W2 VERTICAL STILE - WINDOW SASH



F2 JAMBS - OUTER FRAME



BLOCK FRAME



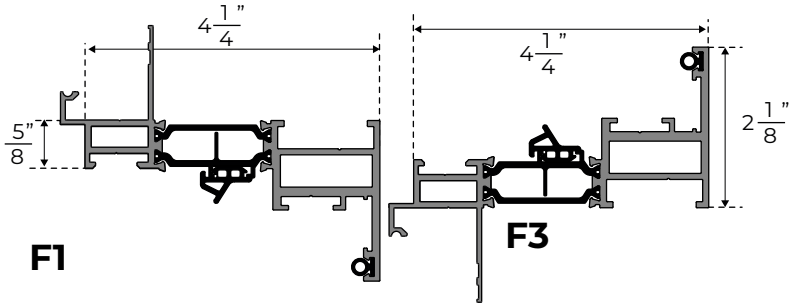


The PRL Max Window with **nail fin** is designed for **new construction** or **full-frame** replacement projects, allowing direct attachment to wood or metal framing. It provides proper integration with weather-resistive barriers, ensuring reliable water management and structural anchorage.

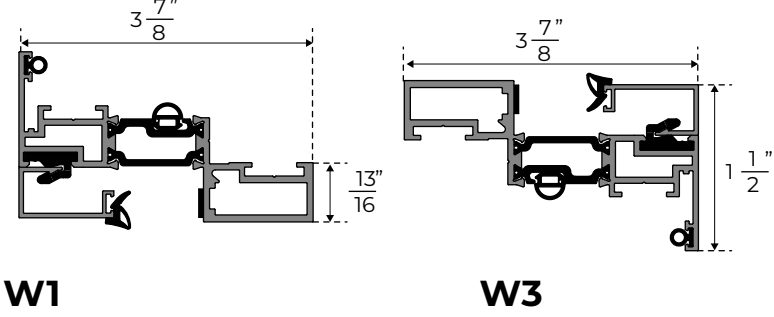
PRL MAX AWNING WINDOW | NAIL FIN
CRANK OUT **MAX 42" X 84"**

MAX WINDOW | PROFILES

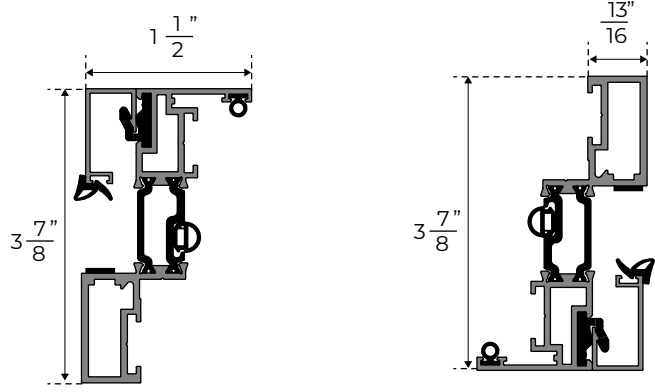
F1 | F3 HEAD | SILL - OUTER FRAME



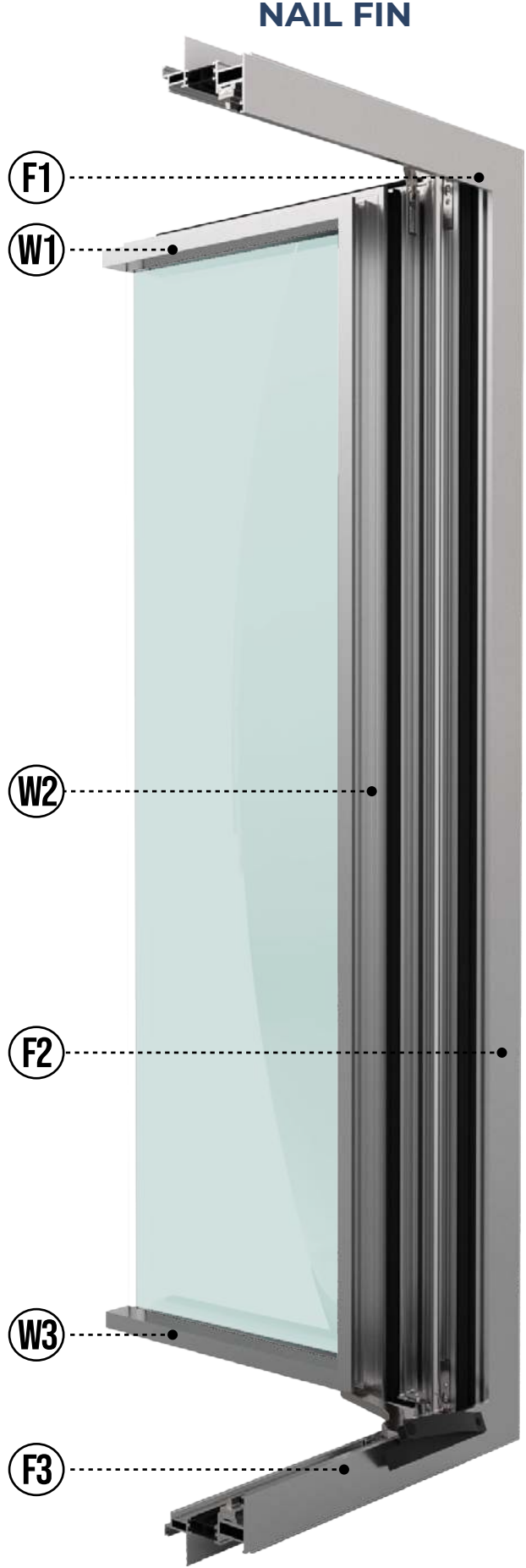
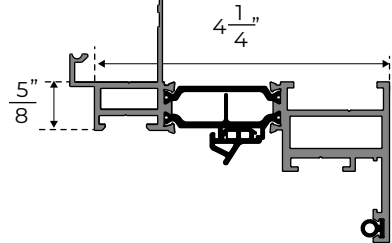
W1|W3 TOP | BOTTOM - WINDOW SASH



W2 VERTICAL STILE - WINDOW SASH

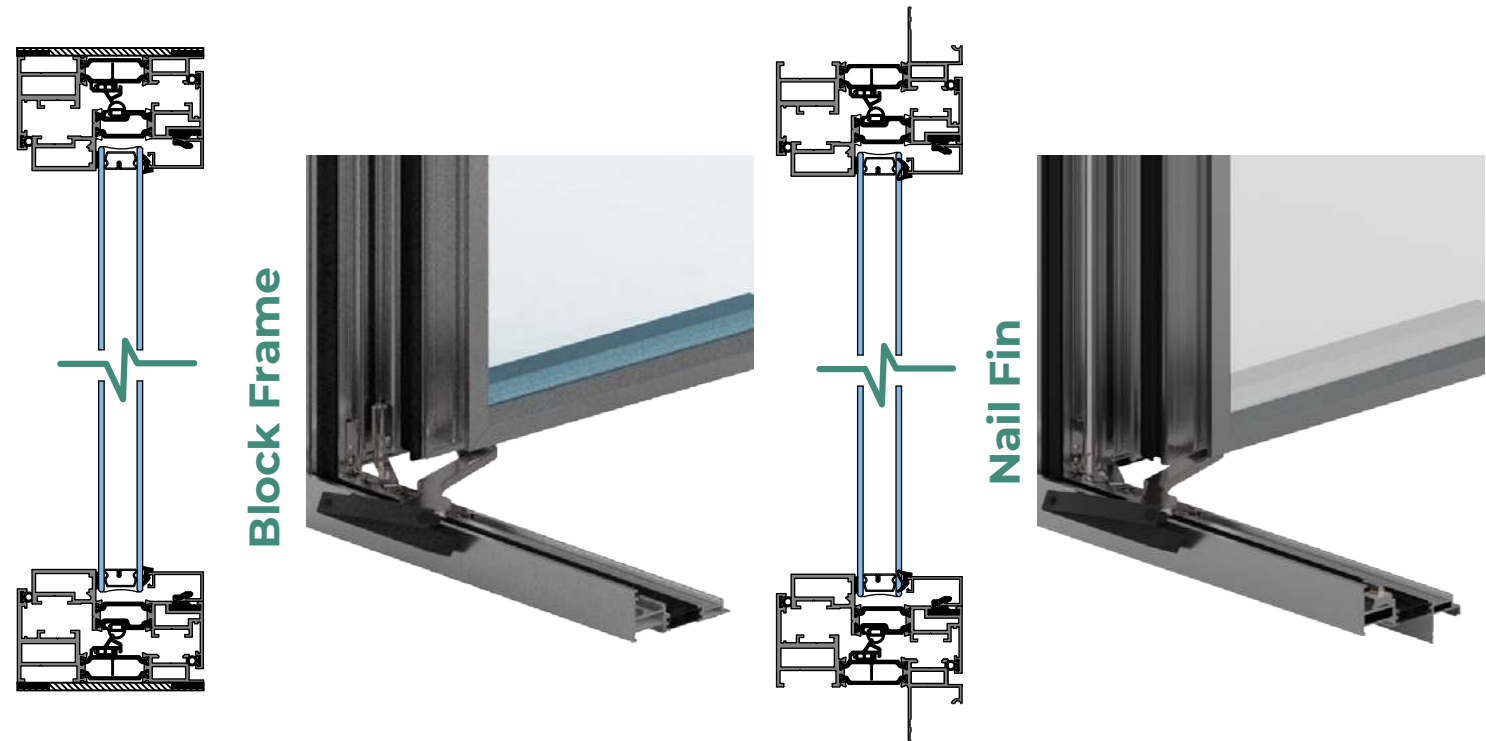


F2 JAMBS - OUTER FRAME





MAX CASEMENT WINDOW



MAXIMUM WIDTH	(PUSH OUT)	36"
MAXIMUM HEIGHT	(PUSH OUT)	72"
MAXIMUM WEIGHT	(PUSH OUT)	135lb
MAXIMUM WIDTH	(CRANK OUT)	42"
MAXIMUM HEIGHT	(CRANK OUT)	84"
MAXIMUM WEIGHT	(CRANK OUT)	200lb
GLAZING		1" I.G.U

FINISHES



CLEAR
ANODIZED

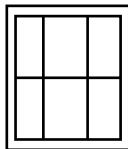


BRONZE
ANODIZED

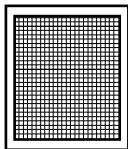


CUSTOM
PAINTED

OPTIONAL

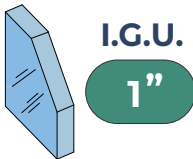


CUSTOM GRIDS



CUSTOM SCREEN

GLAZING OPTIONS



1" INSULATED GLASS UNIT
(Double 3/16" Tempered Glass + 5/8" Air Spacer)

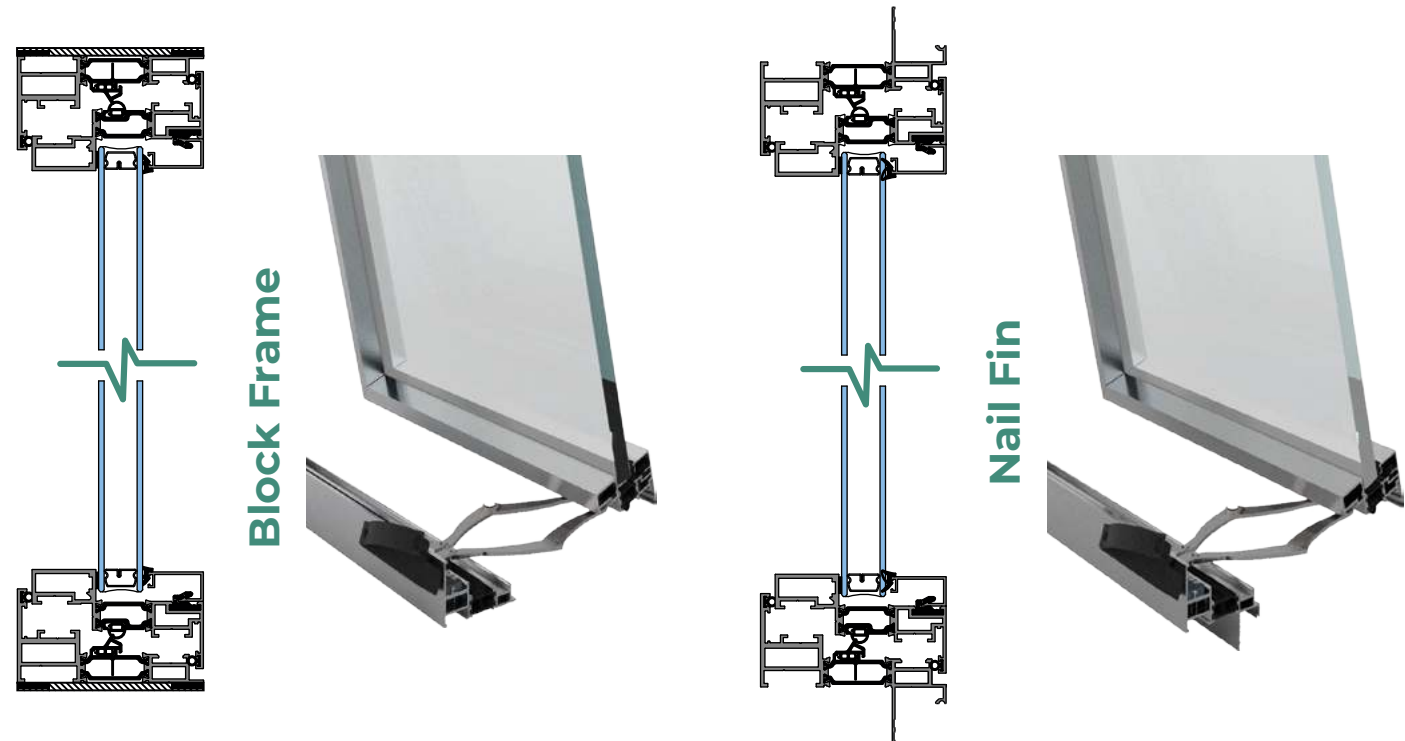
WITH VARIED COLOR OPTIONS

OR

IMPACT RESISTANT GLASS FOR A
HIGHER LEVEL OF SECURITY (Optional)



MAX AWNING WINDOW



MAXIMUM WIDTH	(PUSH OUT)	72"
MAXIMUM HEIGHT	(PUSH OUT)	60"
MAXIMUM WEIGHT	(PUSH OUT)	180lb
MAXIMUM WIDTH	(CRANK OUT)	72"
MAXIMUM HEIGHT	(CRANK OUT)	72"
MAXIMUM WEIGHT	(CRANK OUT)	200lb
GLAZING		1" I.G.U

FINISHES



CLEAR
ANODIZED

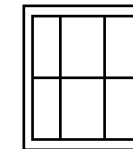


BRONZE
ANODIZED

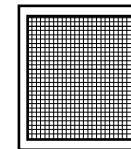


CUSTOM
PAINTED

OPTIONAL

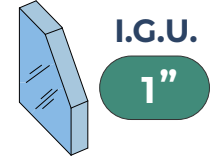


CUSTOM GRIDS



CUSTOM SCREEN

GLAZING OPTIONS



I.G.U.
1"

1" INSULATED GLASS UNIT
(Double 3/16" Tempered Glass + 5/8" Air Spacer)

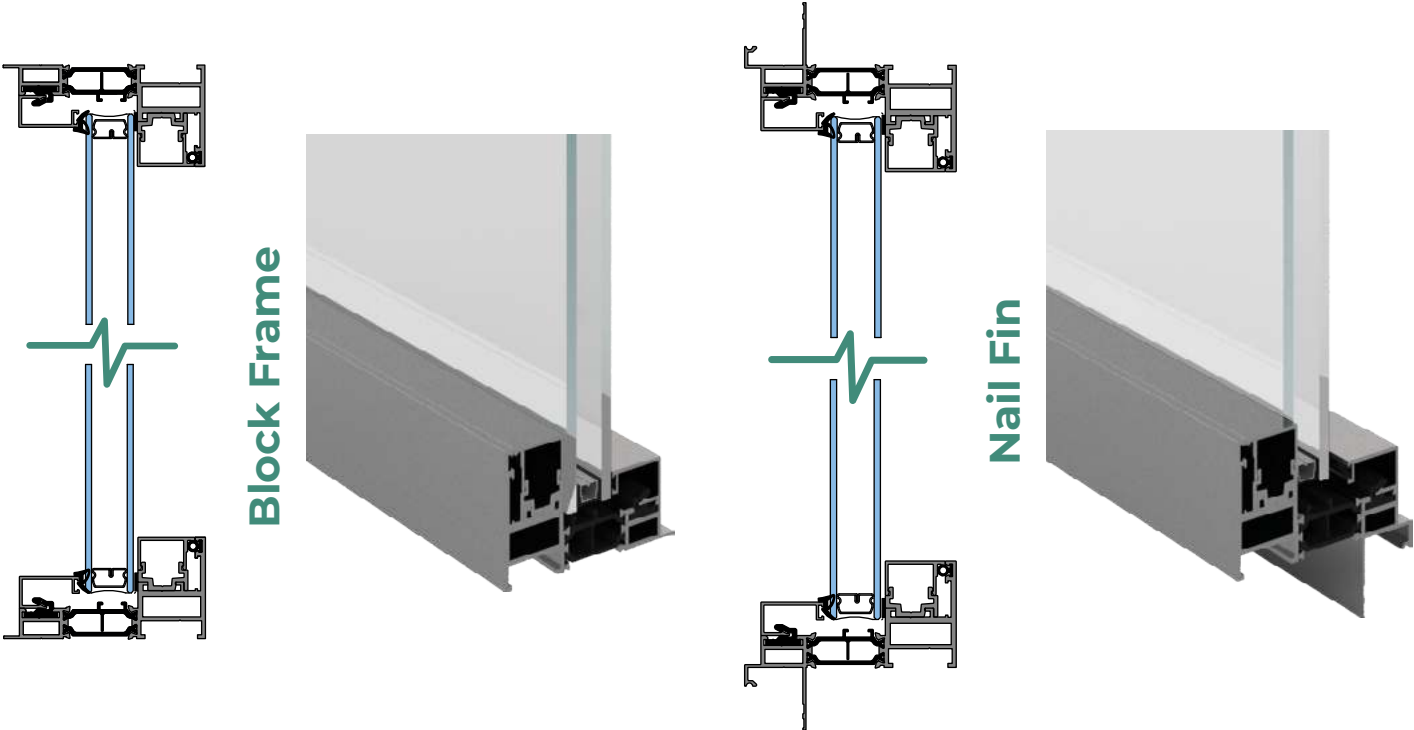
WITH VARIED COLOR OPTIONS

OR

IMPACT RESISTANT GLASS FOR A
HIGHER LEVEL OF SECURITY (Optional)



MAX FIXED WINDOW



MAXIMUM WIDTH	42"
MAXIMUM HEIGHT	84"
MAXIMUM WEIGHT	200lb
GLAZING	1" I.G.U.

FINISHES



CLEAR
ANODIZED

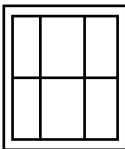


BRONZE
ANODIZED

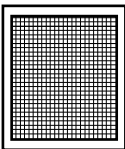


CUSTOM
PAINTED

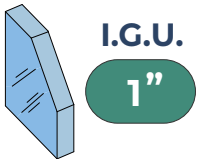
OPTIONAL



CUSTOM GRIDS



GLAZING OPTIONS



1" INSULATED GLASS UNIT
(Double 3/16" Tempered Glass + 5/8" Air Spacer)

WITH VARIED COLOR OPTIONS

OR

IMPACT RESISTANT GLASS FOR A
HIGHER LEVEL OF SECURITY (Optional)



MAX WINDOW | PERFORMANCE



Air Infiltration

$\leq 0.3 \text{ cfm/ft}^2 @ 6.27 \text{ psf (300 Pa)}$

Tested in accordance with ASTM E283.

The tested specimen exceeds the air leakage performance levels specified in AAMA/WDMA/CSA 101/1.S.2/A440

Water Penetration Resistance

No water penetration @ DP15- 360 Pa (6.27 psf)

Tested per ASTM E331 / ASTM E547.

Structural Performance

Design Pressure (DP): $\pm \text{DP15} - 2400 \text{ Pa (15.13 psf)}$

Tested per ASTM E330.

Durability

Life-cycle performance evaluated per AAMA 910.

Suitable for residential and commercial applications.

Thermal Transmittance

U-Factor: $0.37 \text{ Btu/hr}\cdot\text{ft}^2\cdot^\circ\text{F}$

**Consult typology, dimensions and glass.*

PRL ALUMINUM

PRL delivers high-performance, custom-built glass and aluminum solutions designed, engineered, and manufactured in-house for unmatched quality and precision.

Introducing the new PRL Aluminum product line -a refined collection of architectural systems that expands design possibilities across commercial and residential projects. With decades of expertise and a commitment to innovation, PRL is your partner in creating bold, seamless architectural spaces.



STOREFRONT

THERMALLY BROKEN

PRL's Thermally broken storefront systems are becoming a preferred choice for commercial projects due to their superior thermal insulation and energy efficiency. These systems help regulate indoor temperatures by reducing heat transfer, creating a more comfortable and energy-efficient environment.



BATTLE DOOR

THERMALLY BROKEN

PRL's Battle Door is a high-performance aluminum door system engineered to withstand extreme conditions without compromising on design. Whether facing hurricanes, high-impact environments, or urban security threats, Battle Door offers the durability and structural integrity demanded by today's architectural, commercial, and residential projects.



MAX SLIDER

THERMALLY BROKEN

PRL's Thermally Broken Max Slider is a high-performance, energy-efficient patio door designed for quick and easy installation. Pre-glazed and available in standard finishes, it ships ready to install in just 2 weeks, ensuring a seamless project timeline.



SUNNY LUX DOOR

THERMALLY BROKEN

Designed to elevate any space with a contemporary look and outstanding durability, our Sunny Lux aluminum door features ultra-slim lines and a fully mitered frame.

Our Sunny Lux door combines a minimalist design, high performance and advanced security for both residential and commercial applications.



NEW BI-FOLD

THERMALLY BROKEN

PRL's New Bi-Fold, designed for commercial and residential applications, is a thermally broken bottom rolling folding door that effortlessly connects indoor and outdoor spaces. With its slim sightlines and concealed rollers, it exudes a sophisticated aesthetic, whether in an open or closed position.

PRL Glass & Aluminum is a leading manufacturer of architectural glass and aluminum systems. Trusted by professionals across the U.S. for high-performance, custom-built solutions.

From sliding doors and curtainwalls to shower glass doors, aluminum doors and complete storefront systems, we design, engineer, and manufacture everything in-house to ensure quality, speed, durability and precision.

Our fully integrated approach allows us to deliver tailored solutions for commercial, residential, and hospitality projects — all crafted to meet your vision and elevate your architectural design.

Backed by decades of expertise and a commitment to innovation, PRL is your partner in building bold, seamless spaces with glass and aluminum at the core.

