



PRL



Aluminum
ARCHITECTURAL PRODUCTS

BOTTOM ROLLING BIFOLD







PRL NEW BOTTOM ROLLING BI-FOLD

The PRL Bottom Rolling Bi-Fold System redefines modern openings through a perfect balance of **slim design, structural strength, and proven performance.**

Featuring a fully mitered frame, ultra-narrow **vertical stiles as slim as 2 1/8"**, and a 2 7/8" panel thickness, the system delivers expansive views with a distinctly modern aesthetic.

Engineered for both **residential** and high-performance **commercial** applications, it combines large scale flexibility, certified security, and all-climate performance, setting a new benchmark for contemporary bi-fold door design.



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The PRL **Bottom Rolling** Bi-Fold System combines **precision engineering** with **ultra-slim** profiles **to** support **large architectural openings** without visual compromise. **Advanced** hardware, **high** performance and **robust** structural capacity work seamlessly together to deliver comfortable operation, durability, and confidence.



High-Performance Bi-Fold Door
Engineered for Contemporary
Architecture.



RESIDENTIAL & COMMERCIAL



HIGH-LEVEL SECURITY



FOLDING PANELS

Designed to elevate both, **residential** and **commercial** spaces, the PRL Bottom Rolling Bi-Fold System offers exceptional versatility with **inward** or **outward** opening configurations that adapt effortlessly to architectural intent.

Its refined **bottom-running** design delivers **smooth**, controlled operation while maintaining a clean, contemporary aesthetic across a wide range of applications.

Confidence comes standard with the Bottom Rolling Bi-Fold System.

Advanced **multi-point locking** technology, discreetly integrated **into the design**, delivers a high level of **security** while preserving the system's minimalist appearance.

Fully certified, it meets the most demanding security and compliance standards, offering peace of mind for both private residences and commercial developments.

Engineered to enable **bold architectural statements**, the system supports **large-scale** openings of up to **14 panels**, featuring generous panel dimensions and a robust load capacity of **265 lb** per panel.

This **structural strength** delivers expansive, uninterrupted views while ensuring comfortable operation and **long-term** durability, even at heights of up to **9.84 ft.**



INSTALLER FRIENDLY

Designed with **precision** construction and **four** integrated **adjustment points**, the system simplifies both **installation** and ongoing **maintenance**. Adjustable jambs, lock-latch adjustments, and hinges, along with dedicated **fine-tuning** to correct door sagging, ensure **precise alignment** and long-term performance over time.



THERMALLY BROKEN

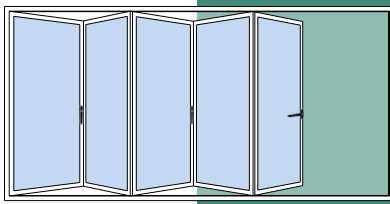
Delivers **high thermal** efficiency, with U-values as low as **0.40 Btu/hr·ft²·°F**, depending on glazing selection. **Advanced polyamide** thermal breaks, up to 1.18" wide, significantly **reduce thermal bridging**, enhancing energy performance, occupant comfort, and **compliance** with modern building codes.



PRECISE ENGINEERING

Exceptional **weather resistance** is achieved through a sophisticated **sealing strategy** that combines EPDM perimeter gaskets, weather piles, and **precision designed seals**, providing long-term protection **against air and water** infiltration. The system has been **rigorously tested**, achieving a severe weather rating suitable for demanding environments.

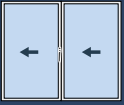




One-Way Stacking Configuration

2 to 7 Panels

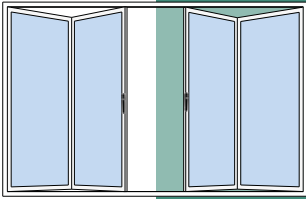
FROM 2



TO 7



The system supports up to **7 panels** opening in the **same direction** and can stack to the **left or right** and is available for both **inward** and **outward** opening. All panels fold smoothly toward a **single side**.



Bi-Directional Stacking Configuration

4 to 14 Panels

FROM 4

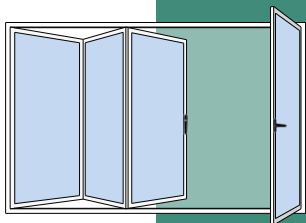


TO 14



The **Bi-Directional** Stacking configuration allows panels to fold in opposite directions. This configuration supports from **4 to 14 panels**, with up to **7 panels stacking on each side** and can open inward or outward.

Multiple layout options are available and do **not need to be symmetrical**, allowing combinations such as 2 Left - 3 Right, or 7 Left - 6 Right.



Single-Side Stacking with Swing Door Configuration

3 to 8 Panels

FROM 3



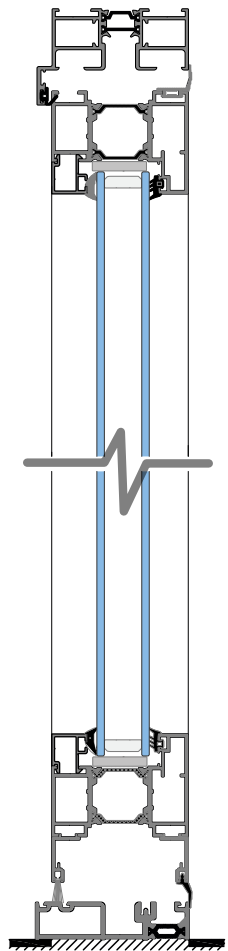
TO 8



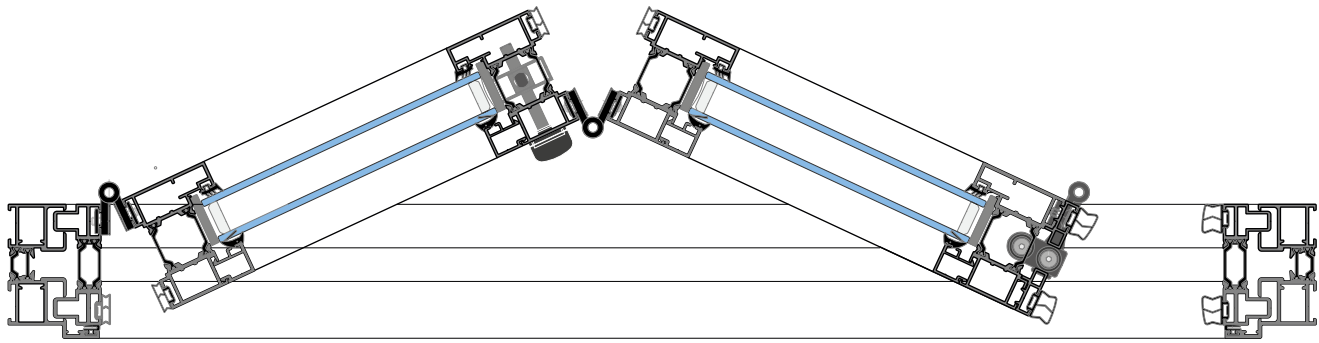
Can be configured with up to **7 folding panels** stacking in a single direction, with a **hinged swing door** located at the opposite end.

The folding panels may open **inward** or **outward** to one side, while the **swing door** provides convenient daily access without the need to operate the full system.

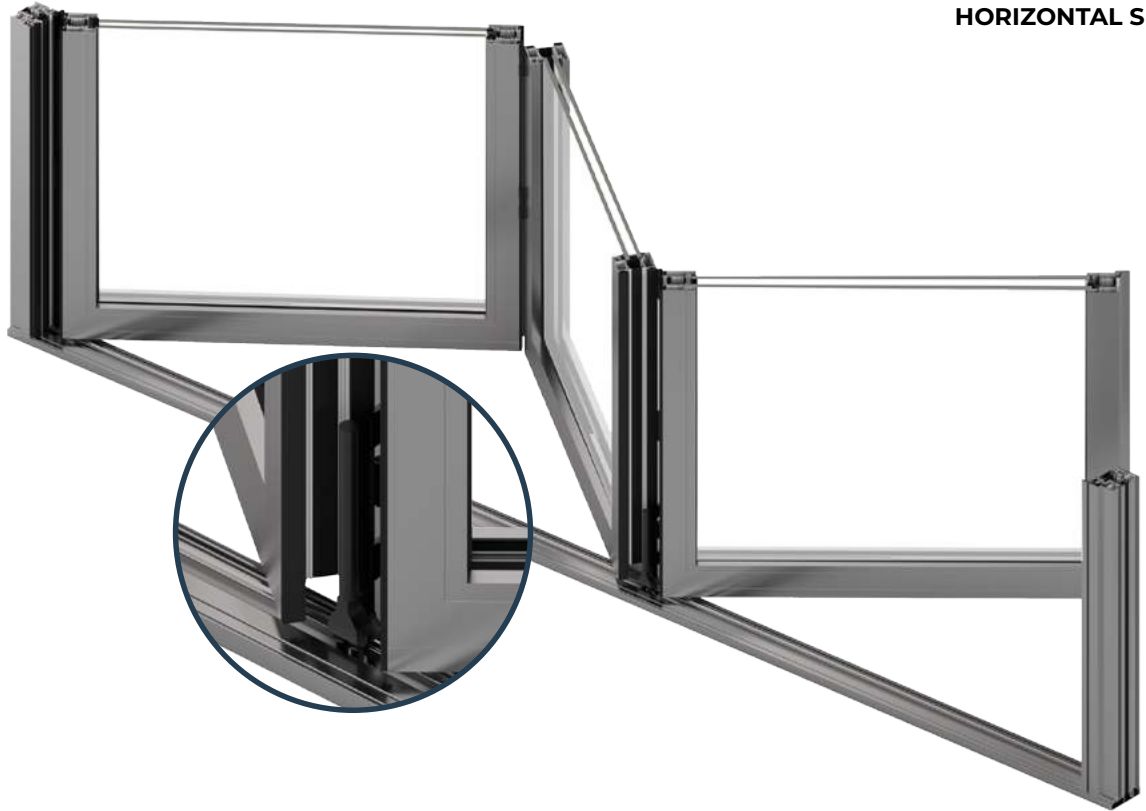




VERTICAL SECTION



HORIZONTAL SECTION



MAXIMUM PANEL HEIGHT	9.84ft
MINIMUM PANEL HEIGHT	6.23ft
MAXIMUM PANEL WIDTH	3.94ft
MINIMUM PANEL WIDTH	0.98ft
MAXIMUM PANEL WEIGHT	265.55 lb
GLAZING	1 1/8" I.G.U

FINISHES



CLEAR
ANODIZED



BRONZE
ANODIZED



CUSTOM
PAINTED

ADJUSTABLE JAMB



OUR JAMB CAN
BE ADJUSTED
UP TO

1/4"

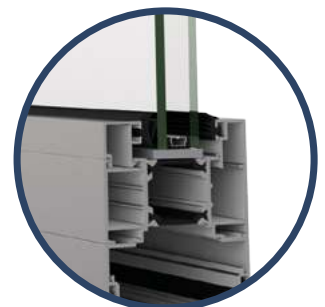
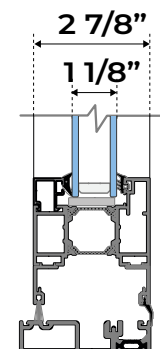
Each Side

GLAZING OPTIONS

1 1/8" INSULATED GLASS
UNIT WITH VARIED
COLOR OPTIONS

OR

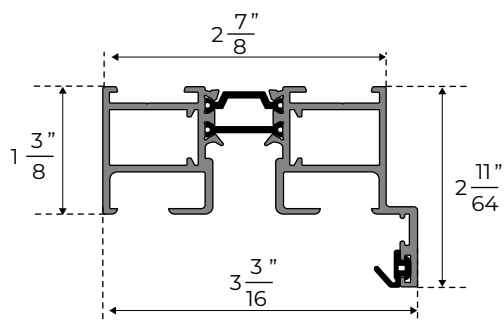
IMPACT RESISTANT GLASS
FOR A **HIGHER** LEVEL OF
SECURITY (Optional)





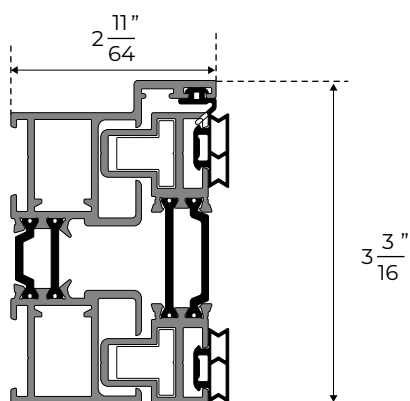
F1 HEAD - OUTER FRAME

BFB-002



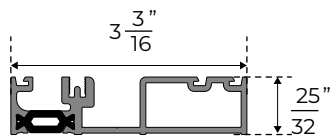
F2 JAMB (ADJUSTABLE) | OUTER FRAME

BFB-002 + BFB-201



F3 SILL (VARIOUS OPTIONS) | OUTER FRAME

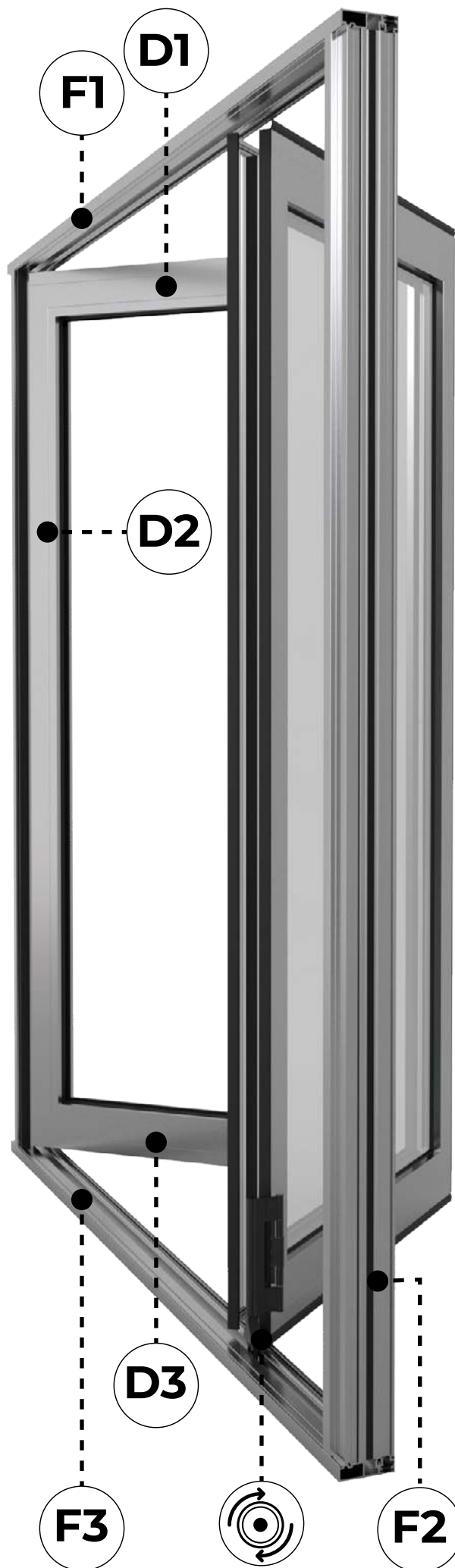
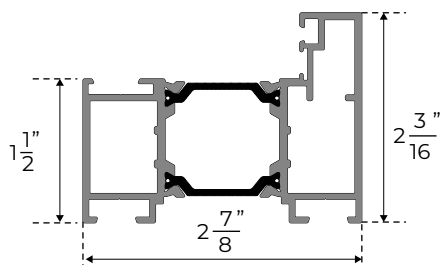
BFB-004



(LOW SILL WITHOUT RAMP)

D1-D2-D3 DOOR FRAME

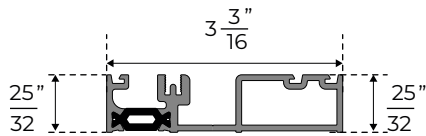
BFB-101



Profiles | technical data

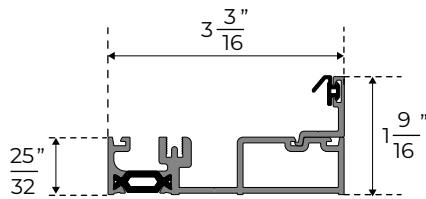


LOW SILL WITHOUT RAMP



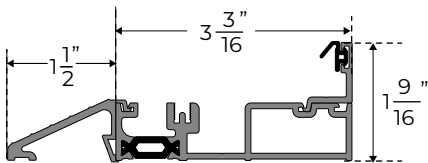
BFB-004

HIGH SILL WITHOUT RAMP



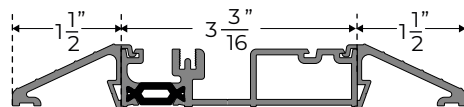
BFB-004+ BFB-302

HIGH SILL SINGLE RAMP



BFB-301 + BFB-004 + BFB-302

LOW SILL DOUBLE RAMP



BFB-301 + BFB-004 + BFB-301

Sill options | *technical data*





technical data

Air Infiltration

0.26 cfm/ft²

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

150 Pa (3.13 psf) - **PASS**

Tested per ASTM E547.

Structural Performance

30.08 psf (Positive & Negative)

Tested per ASTM E330-14

Thermal Transmittance

U-Factor: 0.40 Btu/hr·ft²·°F

**Consult typology, dimensions and glass.*

Performance |

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.



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.



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.



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.



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.



ARCHITECTURAL

SOLUTIONS —————

We offer precision shop drawings, photorealistic renderings, custom 3D Models and expert BIM advisory, supported by a team that guides you every step of the way to ensure accurate design and successful project execution.



CUSTOM FRAMELESS SHOWER DOORS



ALL GLASS DOORS



BULLET RESISTANT GLASS



HANDRAIL SYSTEMS

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.

