

PVC WINDOW SYSTEMS

Technical Drawings & Specifications

Engineered for Performance.
Designed for Texas.



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UNIT FEATURES



FRAME

- Frame is constructed of High Density U PVC for both interior and exterior applications.
- 1" Vinyl Nailing Fin.
- Frame width: 1 7/16" (36.8mm)
- Interior & Exterior finishes: White



SILL

- Sill material is High Density U PVC for both interior and exterior applications.
- Sills include an exterior weep for water. Weeps must remain clear and free of obstruction.



SASH

- Stiles and rails are High Density U PVC for both interior and exterior applications.
- The corner joints are welded at 260°C.
- Interior & Exterior finishes: White



SCREENS

- Fixed Screen: extruded AL top hung has a clip and integral handle
 - Screen surround will match exterior frame clad color
- Screen mesh: Aluminum



GLASS & GLAZING

- All glass is of select quality complying with commercial industry standards. Glass is IGCC certified.
- Preserve film applied on interior and exterior panes.
- Glazing seal: Black silicone beading, exterior
- Dual-pane insulating glass thickness: 7/8" (22mm)
- Insulating Glass Coatings: Low E2 and Low E3
- Gas Fill: Air, Argon
- Glass panes are based on overall unit size and may be 5 and 6.0 mm thicknesses
- Black Stainless Steel Spacer Bar



ENERGY EFFICIENT

Reduced energy costs and improved comfort.



WEATHER RESISTANT

Built to withstand Texas weather and humidity.



NOISE REDUCTION

Helps reduce outside noise for a quieter home.



LOW MAINTENANCE

Smooth operating and easy to clean.



PRODUCT SIZE & PERFORMANCE DATA

Item	Fixed window	Single Hung window	Remarks
Max. Size	55 1/8"90 1/2 (in) 1400*2298 (mm)	96"96 (in) 2438*2438 (mm)	
Min. Size	12"24 (in) 304*609 (mm)	7 7/8"7 7/8 (in) 200*200 (mm)	
Max. Glass thickness	7/8 (in) 22 (mm)	7/8 (in) 22 (mm)	
Air Infiltration test	1.6 psf	1.6 psf	ASTM E283
Water Penetration test	3.76 psf	3.76 psf	ASTM E547, ASTM E331
Design Pressure	25	25	
Certification Rating	LC-PG25-FW	LC-PG25-SH	
Thermal performance	0.27	0.3	ANSI/NFRC 100-2020

Test unit size: 1235 mm x 1486 mm (48.6" x 58.5")
Glass type: 7/8" (22 mm) Dual Pane IG, Low E + Argon
Results may vary based on window size and glass configuration.



WHY KROTHERS PVC WINDOWS



THERMAL EFFICIENCY

Advanced multi-chamber PVC frames and insulating glass deliver superior thermal performance.



WEATHER RESISTANCE

Engineered to withstand Texas weather including heat, humidity, wind, and heavy rain.



SMOOTH OPERATION

Precision balances and quality components ensure smooth, reliable window operation.



DURABLE CONSTRUCTION

High density PVC and welded corners provide long-lasting strength and structural integrity.



LOW MAINTENANCE

PVC never needs painting, resists corrosion, and cleans easily with soap and water.



TEXAS ENGINEERED

Designed and tested for Texas performance standards.



THERMAL PERFORMANCE

Low U-Factor and SHGC values help reduce energy costs and improve comfort.



WATER MANAGEMENT

Integrated weep system helps protect against water infiltration.



DURABILITY

High density PVC frames and welded corners stand the test of time.



SMOOTH OPERATION

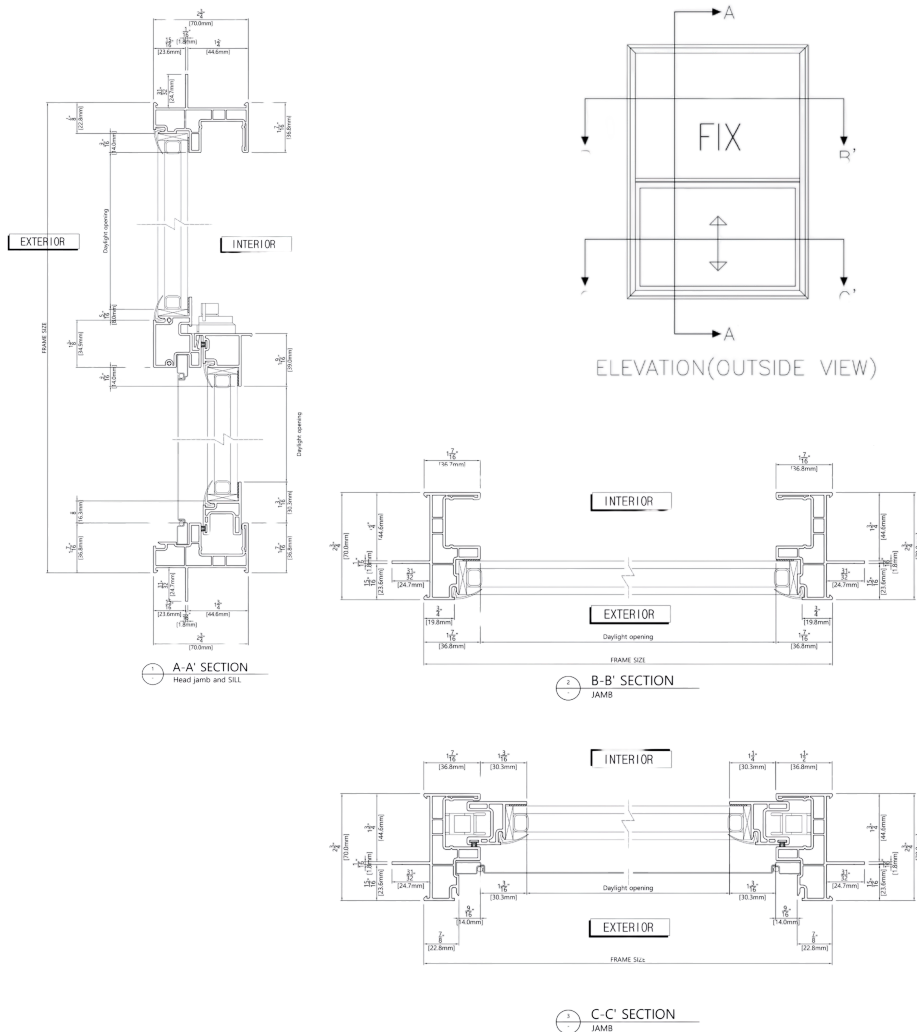
Engineered components provide consistent, effortless performance.



SECTION DETAILS

Operating 7/8" IG (with Screen)

Single Hung Window



SYSTEM DETAILS



FRAME FACE WIDTH

1 7/16"
(36.8 mm)

High density uPVC frame with integral nailing fin.



GLASS THICKNESS

7/8" (22 mm)

Dual-pane insulating glass unit.



SPACER SYSTEM

Black stainless steel spacer bar with desiccant fill.



SCREEN TYPE

Extruded aluminum top hung screen with clip and integral handle. Aluminum mesh.



PVC CONSTRUCTION

High density uPVC multi-chambered extrusion for maximum strength and thermal efficiency.



ENGINEERED PERFORMANCE

Designed and tested to meet or exceed industry standards.



THERMAL EFFICIENCY

Multi-chambered uPVC for superior insulation.



WATER MANAGEMENT

Integrated weep system for effective water drainage.



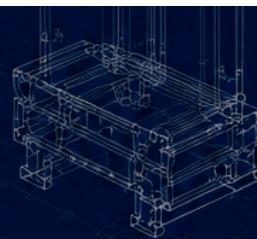
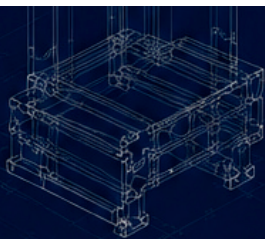
DURABLE CONSTRUCTION

High density uPVC engineered for long-lasting performance.



SMOOTH OPERATION

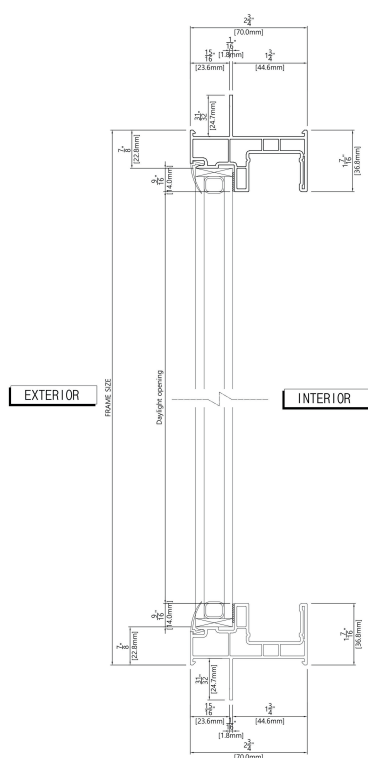
Precision balances and hardware for reliable operation.



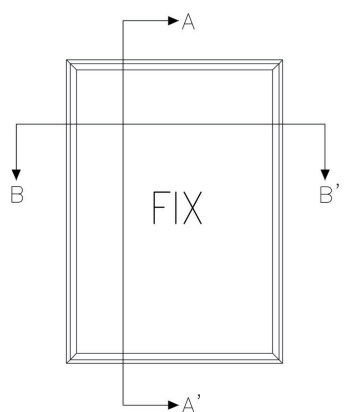
SECTION DETAILS

STATIONARY

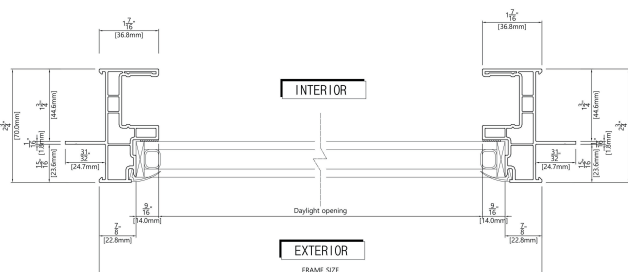
Fixed Window



A-A' SECTION
Head jamb and SILL



ELEVATION(OUTSIDE VIEW)



B-B' SECTION
JAMB

SYSTEM FEATURES



HIGH DENSITY PVC FRAME

Multi-chambered uPVC frames for superior strength and durability.



INSULATED GLASS UNIT

7/8" dual-pane insulating glass for improved comfort and efficiency.



THERMAL PERFORMANCE

Advanced frame design helps reduce heat transfer and improve efficiency.



WATER MANAGEMENT SYSTEM

Integrated weep system helps protect against water infiltration.



COMMERCIAL GRADE HARDWARE

Durable components engineered for reliable and secure performance.



WEATHER RESISTANT CONSTRUCTION

Engineered to withstand wind, rain, and harsh weather conditions.



LOW MAINTENANCE FINISH

Smooth uPVC surfaces resist corrosion and are easy to clean.



ENERGY EFFICIENT DESIGN

Engineered to help lower energy costs and enhance indoor comfort.

ENGINEERED FOR PERFORMANCE. DESIGNED FOR TEXAS.

