

imagine
extraordinary

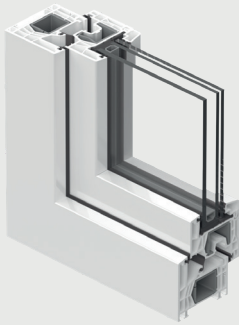


ES | Series 76

Design & Architecture.

Features:

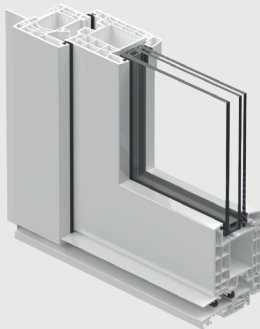
- Top of the line as far as energy performance to meet the strictest energy codes
- Minimal air infiltration systems
- Structurally reinforced uPVC systems for taller buildings with higher designs



Tilt & Turn Window.

Features:

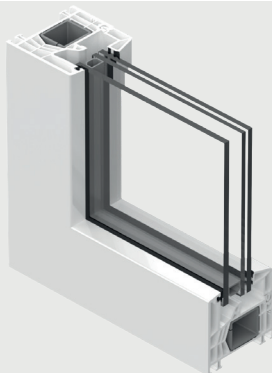
- Provides versatility for home ventilation
- Tilts inwards allowing fresh air while maintaining a safety barrier
- Perfect for rainy days or controlled ventilation
- Fully opens for optimal airflow



Swing Door.

Features:

- Offers convenient access without sacrificing security
- Ideal for patios or gardens
- Seamlessly connects indoor and outdoor spaces
- Ensures home security and family peace of mind
- Complies with ADA and FHA standards



Fixed Window.

Features:

- Maximizes natural light entry
- Offers panoramic views, brightening rooms and a sense of spaciousness
- Ideal for areas prioritizing natural light over ventilation
- Provides outstanding thermal and acoustic insulation
- Ensures constant comfort and tranquility indoors

Versatility & Functionality.

The way we incorporate windows into our homes is changing, as we look to improved product performance, aesthetic appeal, energy efficiency, sound insulation and security.

Features:

- Unique Design
- Multiple configurations
- Functionality and performance

Aesthetic Appeal, Energy Efficiency.

The ES-V76 product is designed to offer both aesthetic appeal and durability.

Features:

- Multiple finishes available
- Multi-point locking mechanisms and handles
- Built to withstand extreme American climates

Safe & Secure.

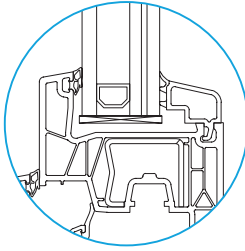
All our window and door systems are designed with security in mind, earning a global reputation for superior product design.

Features:

- Provide protection and ensure safety from intruders.
- Adapts to changing needs with three configurations: tilt-and-turn for ventilation, swing-out for access, and fixed for natural light.

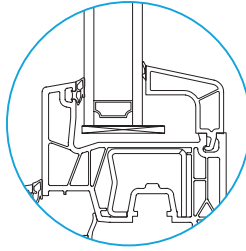


Insulating-Laminated Glass
Impact Certified



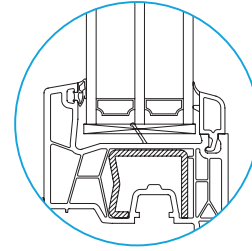
1/4" Temp. glass + 3/8" Spacer + 3/16" Heat
stren'd glass + 0.090" Kuraray America
Sentryglas + 3/16" Heat stren'd glass

Insulating Glass
Non Impact



Min 5/8"
Max 1 21/22"

Triple-Insulating Glass
Non Impact



Min 2"
Max 1 21/22"

Performance & High lights

Glass	STC	OTC
A Dual pane insulating glass	33 - 38	27 - 33
B Dual pane insulating laminated glass	40 - 43	33 - 36
C Triple pane insulating glass	35	28
Thickness (in) 5/8" - 2"		

		Dual Glazed / Argon	Triple Glazed / Argon	
NFRC	U - Factor	26	Single coating	Double coating
	SHGC	19	20 19	15 16
Solarban 70XL Clear		See coatings: www.tecnoglass.com		

Technical Data

	FIXED		TILT & TURN		DOORS	
	Non Impact	Impact	Non Impact	Impact	Non Impact	Impact
Air Leaking	< 0.01	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01
Water Testing	20 PSF	20 PSF	12 PSF	15 PSF	15 PSF	15 PSF
DP Rating	PG75	- + 75 PSF	PG65	- + 65 PSF	PG65	- + 65 PSF
Structural Rating	97.5 PSF	-	97.5 PSF	-	97.5 PSF	-
Max Sizes	59" x 98 1/2"		60" x 98 1/2"	47 1/2" x 71 1/4"	46" x 83"	

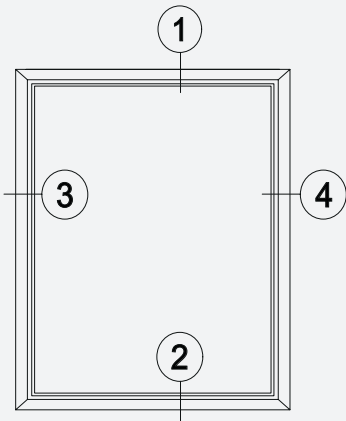
* Maximum sizes applied to a simple configuration.

* More options in the system's detail sheets.

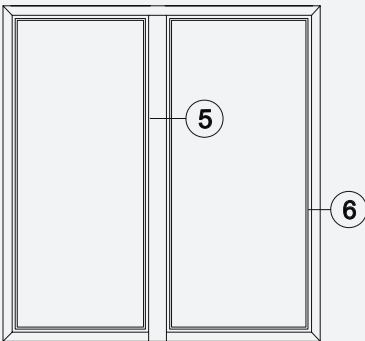
FIXED WINDOW

Factory Mull Openings

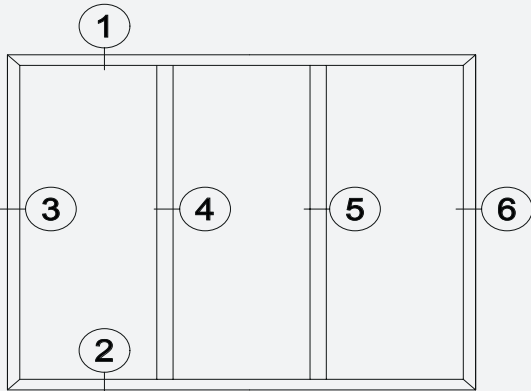
Wide Rectangle



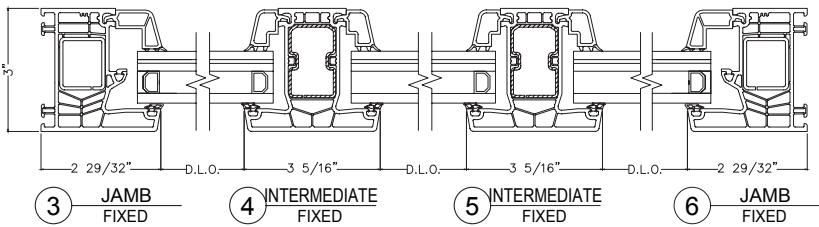
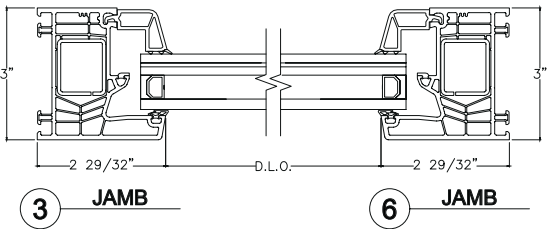
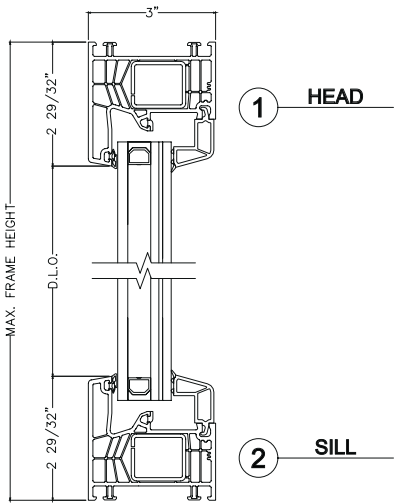
Wide Composite with Integral Mull Post



Wide Composite with Integral Mull Post



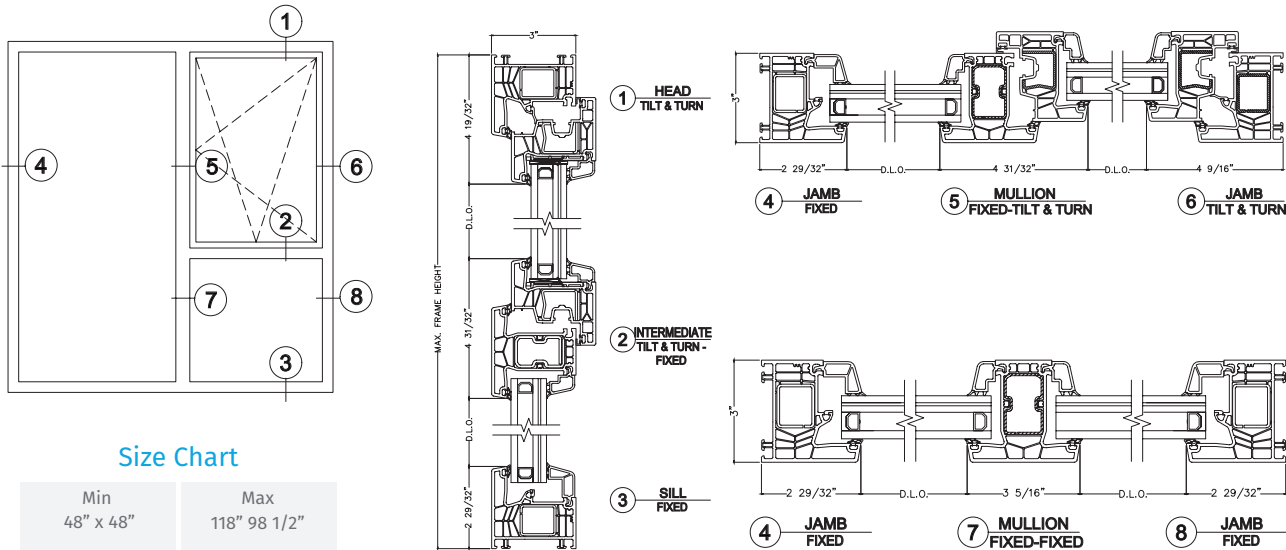
Details



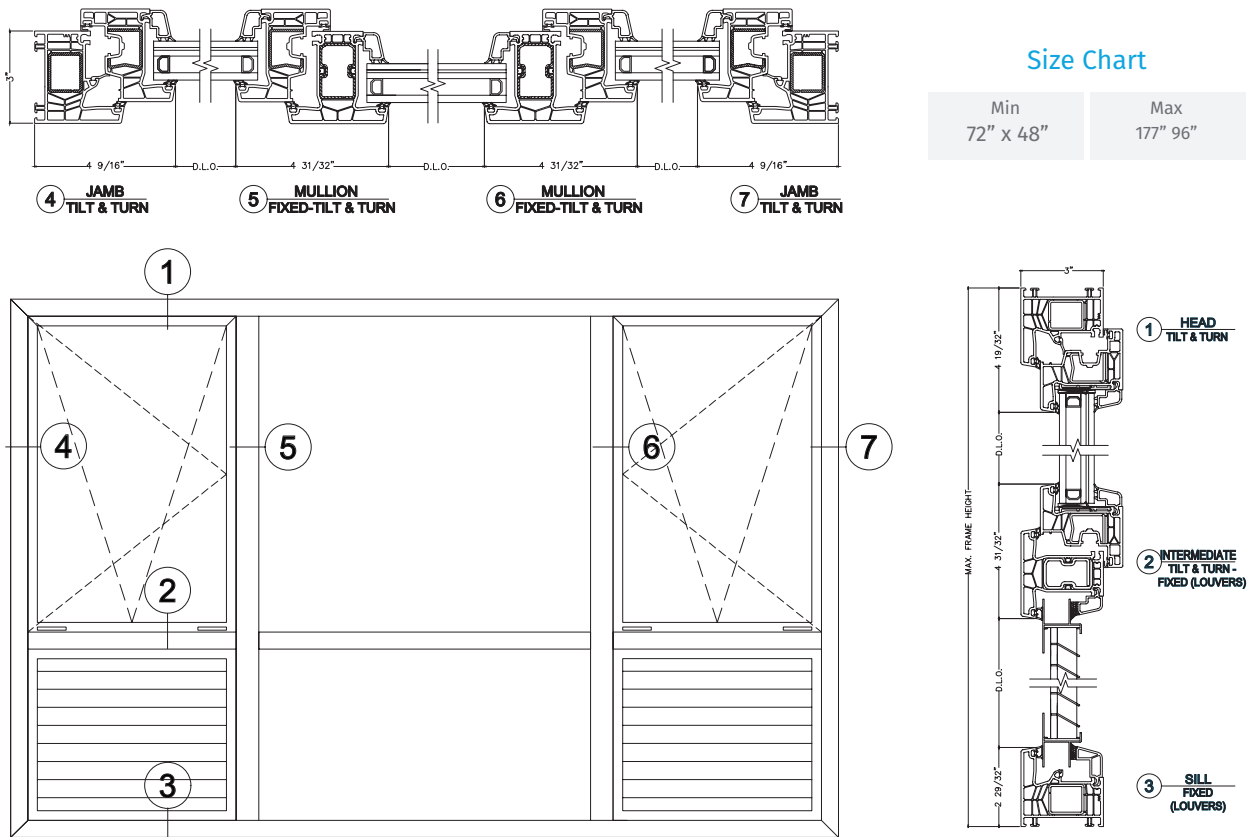
Size Chart

	Min	Max
1	24" x 24"	59" x 98 1/2"
2	48" x 24"	118" x 98 1/2"
3	72" x 24"	177" x 98 1/2"

FIXED-TILT & TURN CONFIGURATION



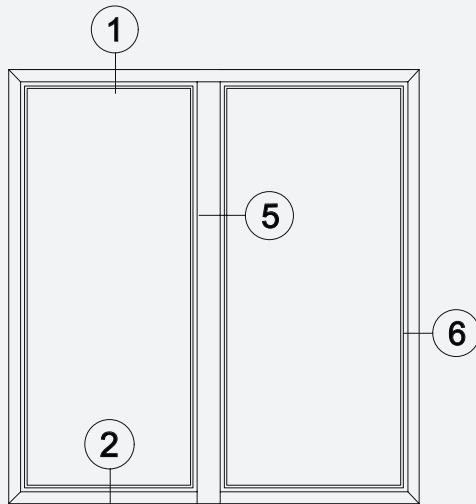
TILT & TURN - FIXED - TILT & TURN CONFIGURATION



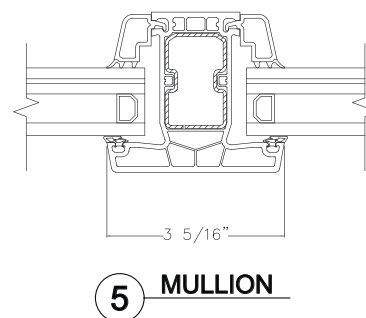
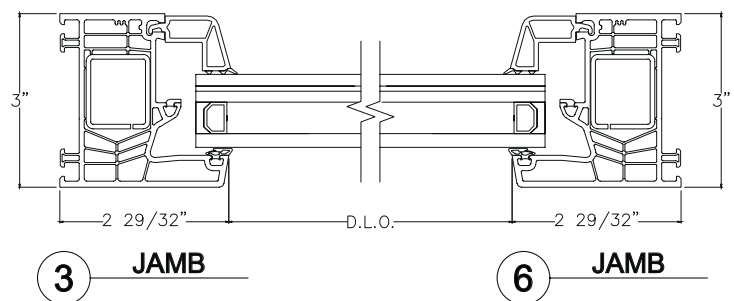
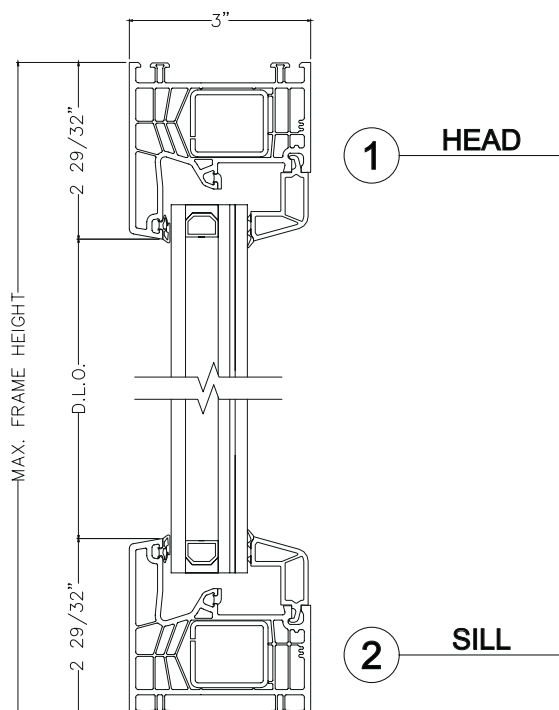
ES

FIXED PICTURE WINDOW

Wide Shown with coupling post

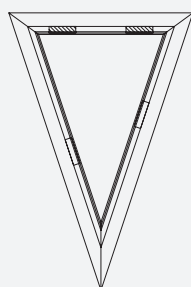
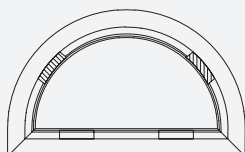
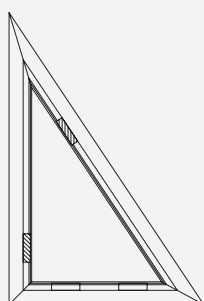
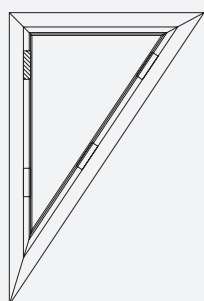
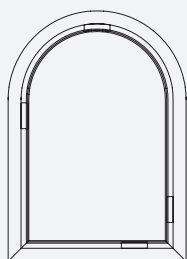
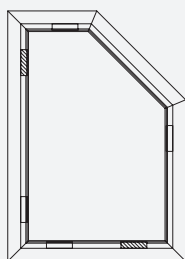


Details



Shapes

We provide a diverse selection of shapes for fixed windows.

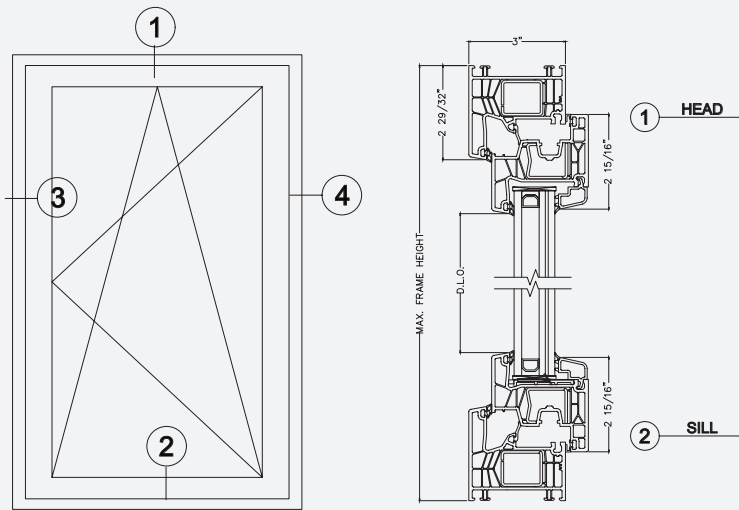


Note

- The listed possibilities present solely a number of examples.
- Designs not listed here must be considered from case to case.

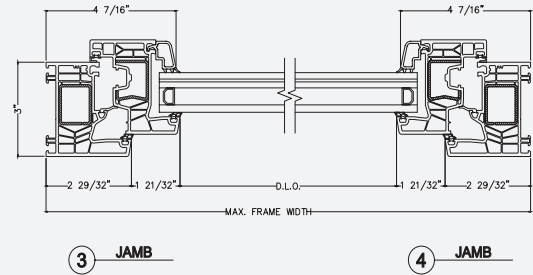


TILT & TURN WINDOW

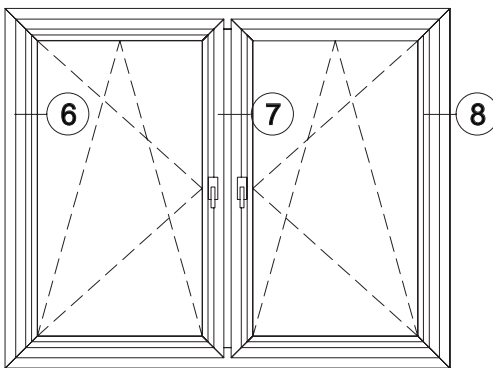


Size Chart

Min	24" x 24"	24" x 24"
Max	47 1/2" x 71 1/4"	60" x 98 1/2"



TILT & TURN WINDOW

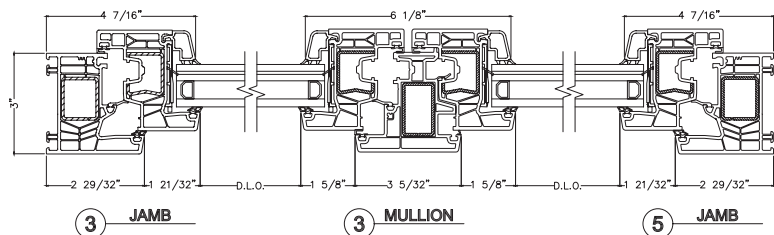
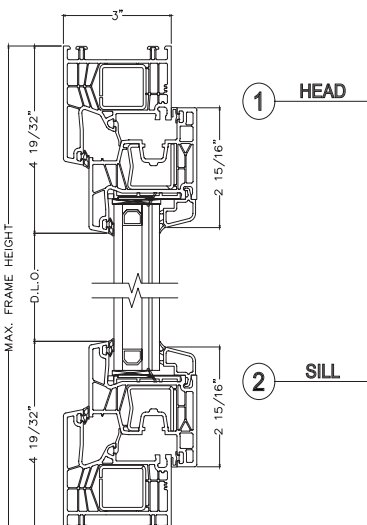


Size Chart

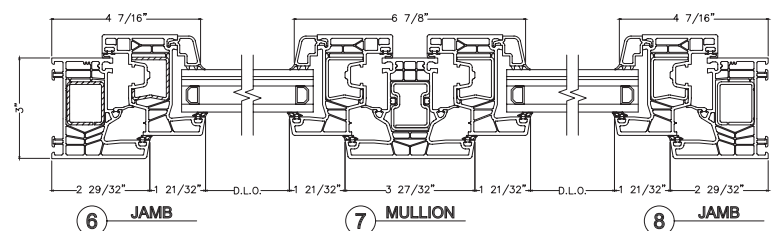
Min	48" x 24"	48" x 24"
Max	102 1/4" x 63 1/2"	120" x 96 1/2"

* Fixed Mullion.

False Mullion

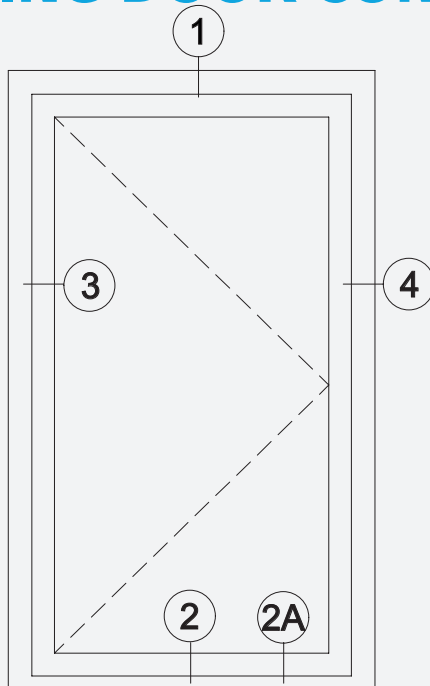


Fixed Mullion Post



SWING DOOR CONFIGURATION

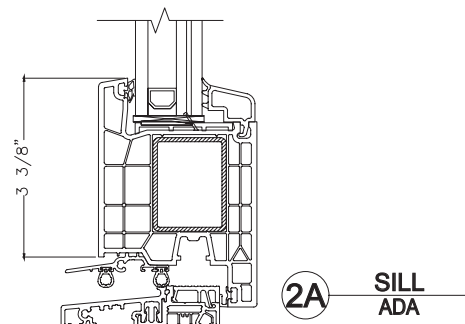
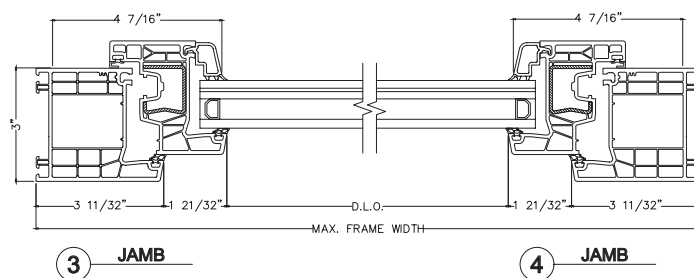
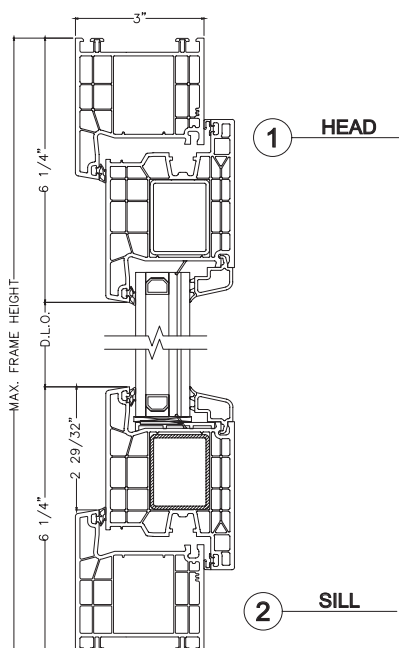
1.



Size Chart

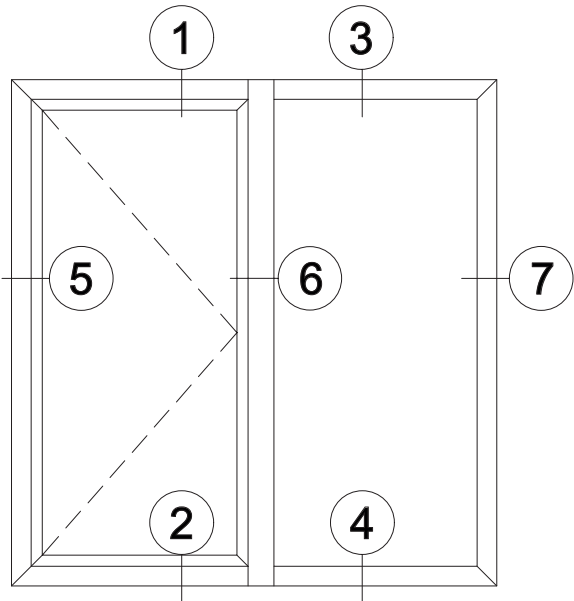
	Min	Max
1	24" x 24"	59" x 98 1/2"

Details



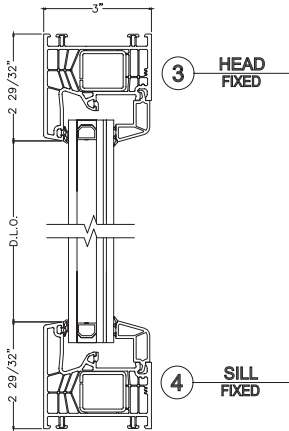
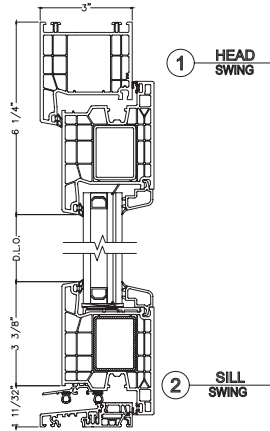
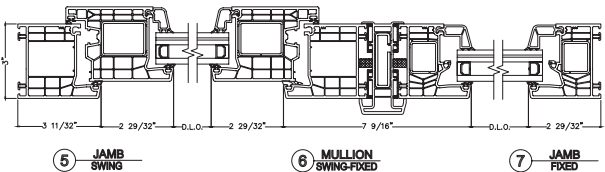
SWING -FIXED CONFIGURATION

2.



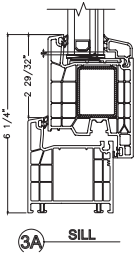
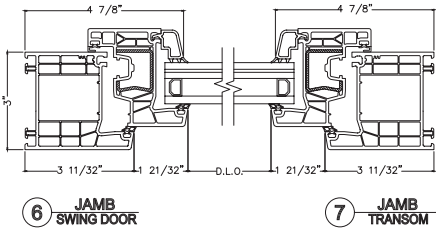
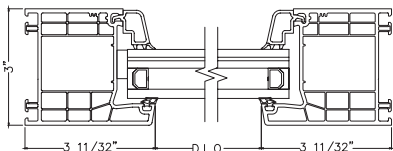
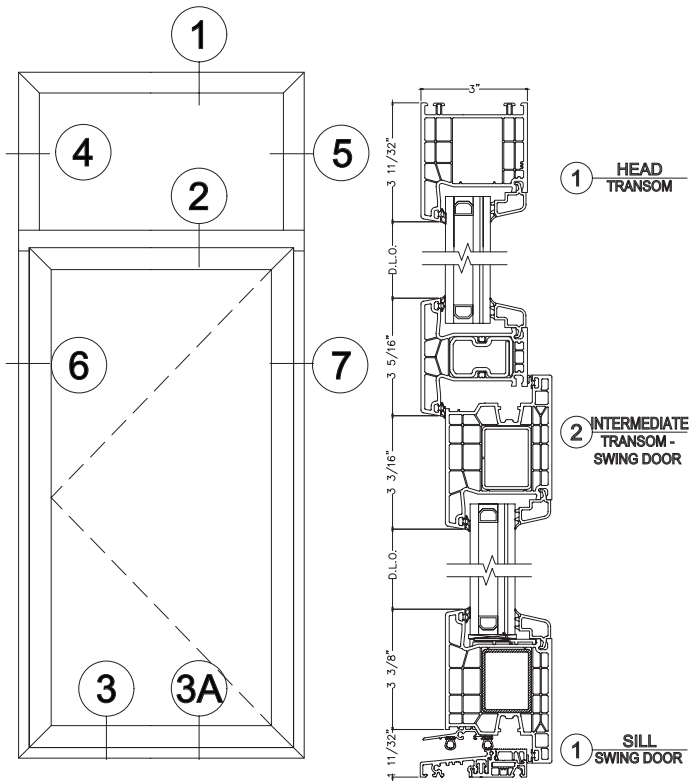
Size Chart

	Min	Max
2	48" x 24"	118" x 98 1/2"



SWING WITH TRANSOM CONFIGURATION

3.

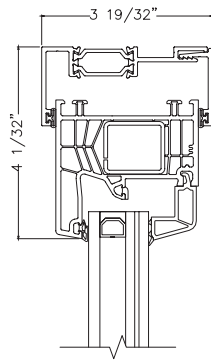


Size Chart

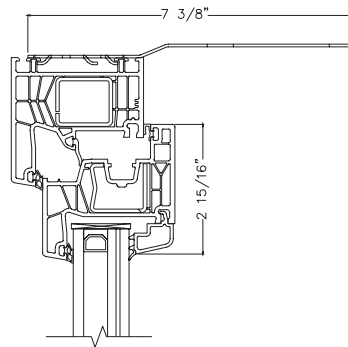
	Min	Max
3	72" x 24"	177" x 98 1/2"

ACCESSORIES & HARDWARE

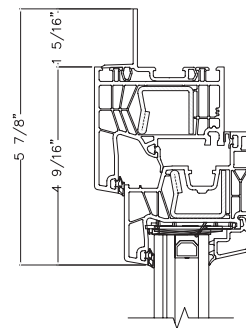
Aluminum Head Receptor



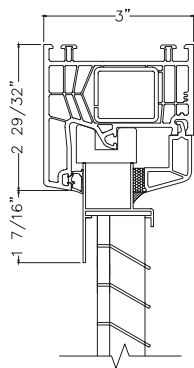
Strap Anchor



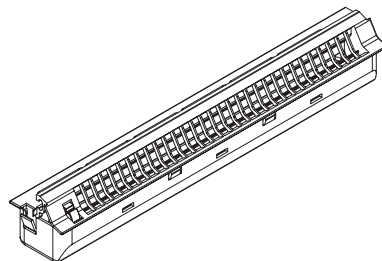
Nail Fin Window Frame



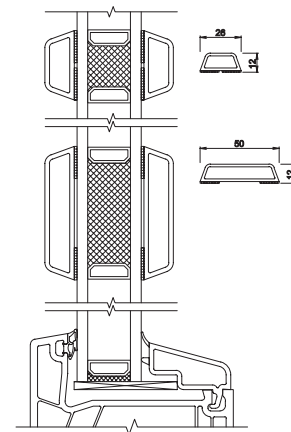
Louvers



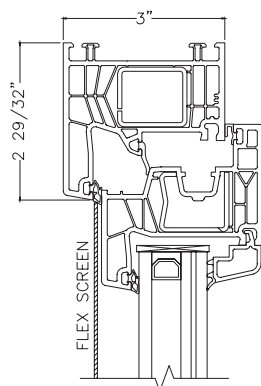
Trickle Vents



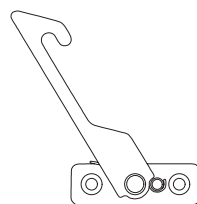
Muntins



Flex Screen

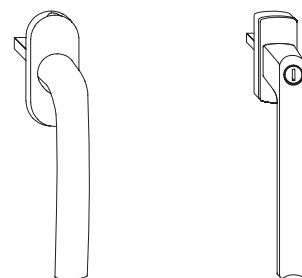


Limiters



WOCD (ASTM F2090)

Handles



Standard

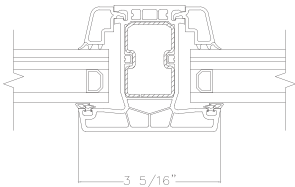
*Lock option available

ADA

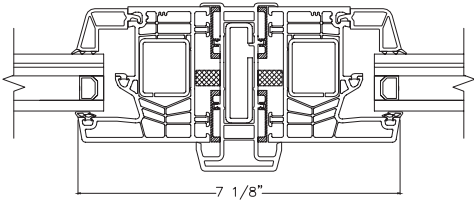
Compliant Lockable

MULLIONS & CORNERS

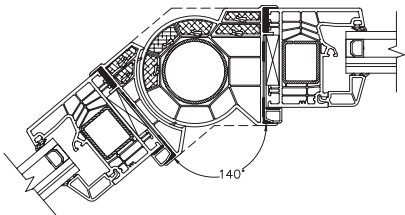
Mullion Integral



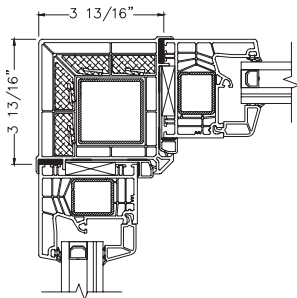
Mullion Connecting



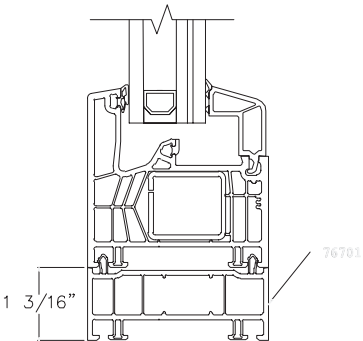
Corner Angular 90° - 225° *



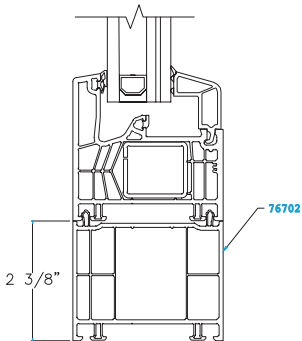
Corner 90° *



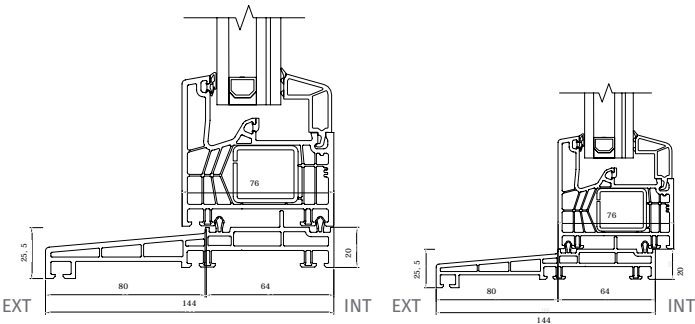
Extension Profile 2 3/8"



Extension Profile 3/16"



Window Sill Profiles



*Meet Impact rating Certification

Finishes

Standard color

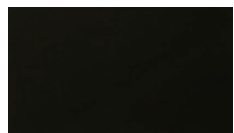


White

Custom Colors & Laminate Foils

Anthracite Grey
Smooth 2

Black Smooth 2



Ceylon Smooth

Flemish Gold
Smooth

Golden Oak

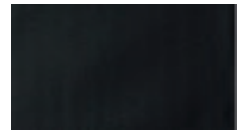


Trompet Smooth

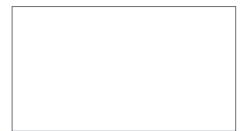
Hardware Colors



Bronze



Black



White

Standards & Certifications.

Products from ES are tested to the latest global standards and meet all of the requirements for the USA and we're a Proud Member of the American Architectural Manufacturers Association. Specifications include:



American Architectural Manufacturers Association (AAMA), entity that provides certification services, product testing, educational programs and performance standards for the window industry.



Aluminum Extruders Council (AEC) is an international trade association dedicated to promoting the effective use of aluminum extrusion in North America.

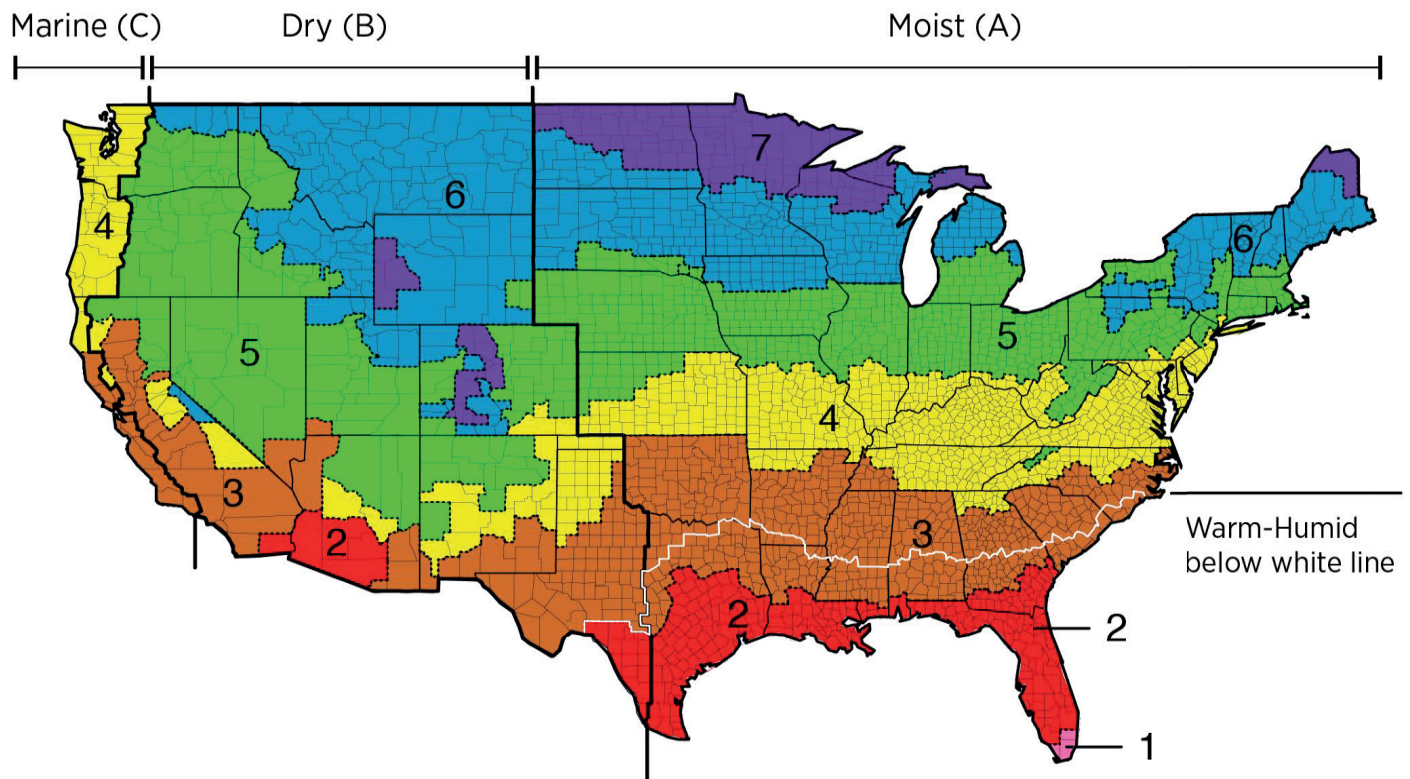


NFRC (National Fenestration Rating Council) Energy efficient products.



Passive House Institute Certification, certifies selected buildings of particular research interest.

Passive House Performance



Phius Technical Data

WINDOWS																			
Phius	Glazing Name	ES Product	Operable	Climate Zone Recommendations at Standard Model Site														Data Sheet PDF	
				0	1	2	3A	3B	3C	4A	4B	4C	5A	5B	5C	6	7		8
W-101312	5mm SB60 Clear #2/Arg/5 mm Clear/Arg/5 mm Clear	ES-V76	Operable															PDF	
W-101306	5mm SB60 Clear #2/Arg/5mm SB60 Clear #3																		PDF
W-101319	5mm SB60 Clear #2/Arg/Clear 5mm																		PDF
W-101315	6mm SB60 Clear #2/Arg/Clear 6mm																		PDF
W-101798	Solarban 60 on 6 mm Clear/14.2 mm 90% Argon/6 mm Clear/14.2 mm 90% Argon/Solarban 60 on 6 mm Clear	ES-V88	Operable															PDF	
W-101740	Solarban 70 on 6 mm Clear/14.2 mm 90% Argon/ Solarban 70 on 6 mm Clear/14.2 mm 90% Argon/ Sungate® 400 on Clear 6mm																		PDF
W-101735	Solarban 60 on 6 mm Clear/14.2 mm 90% Argon/6 mm Clear/14.2 mm 90% Argon/Solarban 60 on 6 mm Clear		Fixed															PDF	
W-101737	Solarban 70 on 6 mm Clear/14.2 mm 90% Argon/6 mm Clear/14.2 mm 90% Argon/Sungate® 400 on Clear 6mm																		PDF



ES

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