



*60 Years Strong*

## Weather Shield® Aspire Series®

VINYL CLAD WOOD  
WINDOWS & PATIO DOORS

WELCOME



Welcome to Weather Shield  
**REVITALIZED**

# The Weather Shield Series of World Class Products



## Premium Series®

Aluminum Clad Wood  
Windows & Patio Doors

Designed to meet the needs of the most discriminating architects and homeowners, the Premium Series brings you endless possibilities. Innovative designs are paired with old world craftsmanship.



## Signature Series®

Aluminum Clad Wood  
Windows & Patio Doors

A very popular line of windows and doors with pleasing sitelines, the Signature Series features extruded aluminum products with the perfect blend of our most popular colors, options and configurations.



## Aspire Series®

Vinyl Clad Wood  
Windows & Patio Doors

An outstanding value with virtually maintenance-free vinyl clad exteriors, the Aspire Series is loaded with features and options not found in other similarly priced windows. The possibilities are endless.



## Visions Series®

Vinyl  
Windows & Patio Doors

Engineered for strength and insulating performance, the Visions Series offers the colors, features and options not found in other vinyl windows. Three different product levels in this line offer even more versatility.



# ASPIRE BENEFITS



## Built to Last Without All the Hassle

We believe the best way to sell more windows is to have happy homeowners and fewer callbacks. The Aspire Series was designed with just that in mind. The low-maintenance exterior never needs to be painted, won't rot and will not dent, ding or chip. With fusion-welded corners, water does not have a way in.



**BUILT-IN WATER  
MANAGEMENT SYSTEMS**



**FUSION-WELDED  
FRAMES AND SASH**

## Enduring Quality...We Guarantee It.

We believe the Aspire Series products are the best in the industry, and to prove it, Weather Shield has written one of the most comprehensive warranties in the business. With a full 20 years on the entire product, the Aspire Series will look beautiful and perform as expected long into the future. Additionally, the warranty is transferable, helping maintain the value of your home and property.



## The Gold Standard in Performance

Aspire Series products are certified and labeled according to the WDMA/NFRC (Window and Door Manufacturers Association/ National Fenestration Ratings Council) certification Program. A WDMA/NFRC certified product must pass performance tests conducted by an independent lab for resistance to air leakage, water penetration and wind pressures.



# Energy Savings and Leading Performance

With the majority of a window being made up of glass, picking the right glass is critical. Weather Shield offers a wide range of glass to meet the performance that is right for you.



Casement Total Unit Performance

U-Value*		
0.27	0.26	0.23
Solar Heat Gain Coefficient*		
0.30	0.20	0.19
Visible Light Transmittance*		
0.52	0.46	0.42
Ultraviolet Rays Blocked		
85%	95%	95%

\* Total Unit calculations are derived from computer simulations that are then verified by 3rd party testing in accordance with NFRC 100-04. Values include Argon gas.

**ENERGY STAR® Qualified in Highlighted Regions**

**Remove label after final inspection; SAVE for future reference**

**NFRC**  
National Fenestration Rating Council  
**CERTIFIED**

**CPD# 084-A-313**  
**Model 7205 Casement**  
**3/4" Glazing**  
**Zo-e 5 .022 (#2)**  
**Argon Fill**

ENERGY PERFORMANCE RATINGS		
<b>0.26</b> (U.S./I-P)	<b>1.48</b> (Metric/SI)	<b>0.20</b> Solar Heat Gain Coefficient
ADDITIONAL PERFORMANCE RATINGS		
<b>0.46</b> Visible Transmittance	<b>61</b> Condensation Resistance	

Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product energy performance. NFRC ratings are determined for a fixed set of environmental conditions and specific product sizes. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information.

[www.nfrc.org](http://www.nfrc.org)

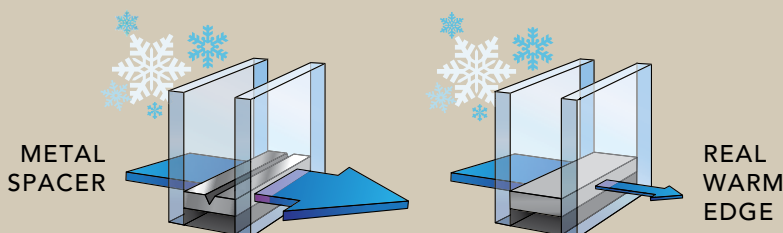
Meets or exceeds M.E.C., C.E.C., and I.E.C.C. Air Infiltration Requirements

## NFRC LABEL RATINGS

We know our Aspire Series windows and patio doors are energy efficient. But don't take our word for it. All Weather Shield products are rated, certified and labeled for U-Value, Solar Heat Gain, Visible Transmittance, Air Leakage and Condensation Resistance by the National Fenestration Rating Council (NFRC). By using the information on the label, products can easily be compared within the product line or against competitors.

## Real Warm-Edge® Spacer System

Weather Shield's Real Warm-Edge® spacer has no metal to transfer temperatures. This improves the efficiency of the glass and reduces condensation and frost build-up. Standard on all Weather Shield insulated glass.



## Opportunity for Greatness Awaits

The possibilities are endless with the multitude of high-quality options and accessories available with the Aspire product line. With more hardware finishes, interior options and exterior colors, your windows can easily match or coordinate your architectural design without compromising the budget. Get ready to be inspired.

### DOUBLE HUNG / SLIDER



Sash Lock



Tilt Latches

### CASEMENT / AWNING



Casement Nested Handle



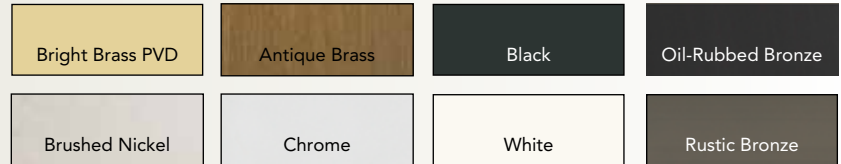
Sequential Lock Lever

## Hardware Finishes

### WINDOW FINISHES



### HINGED DOOR FINISHES (MULTI-POINT)



(Sliding Patio Door Only) (Sliding Patio Door Only)

An optional corrosion-resistant **Seacoast Package** offers exceptional protection against the abrasive effects of salt air and blowing sand.

Finish options shown may not be accurate representations. Actual color samples are available upon request.

### HINGED PATIO DEADBOLT AND PASSAGE SET



#### AVAILABLE FINISHES

- Oil-Rubbed Bronze
- Brushed Nickel
- Bright Brass

### SLIDING PATIO



#### AVAILABLE FINISHES

- White
- Tan
- Cameo
- Desert Tan
- Rustic Bronze
- Brushed Nickel
- Bright Brass

### HINGED PATIO MULTI-POINT LOCKSET



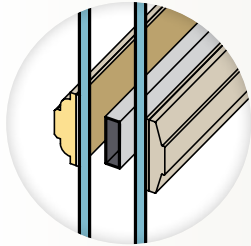
Traditional

Contemporary

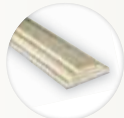


# Grille Options

## SIMULATED DIVIDED LITE\*



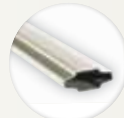
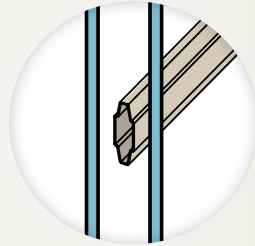
7/8" SDL Vinyl Exterior Bar



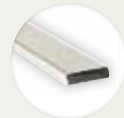
SDL Wood Interior Bar

\*Shown with optional Grille Between the Glass.

## GRILLE BETWEEN THE GLASS

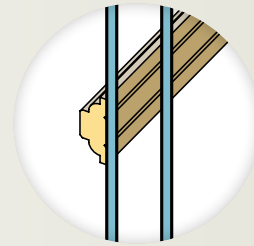


11/16" Sculptured Grille Between the Glass



5/8" Flat Grille Between the Glass

## REMOVABLE WOOD GRILLE



7/8" Wood Interior Perimeter Bar

# Interior Options

## SOLID WOOD

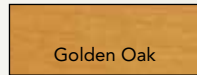


Unfinished Pine

## FACTORY FINISHES\*



Clear Satin



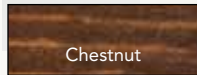
Golden Oak



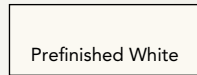
Fruitwood



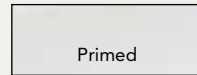
Rich Mahogany



Chestnut



Prefinished White

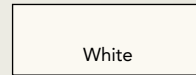


Primed

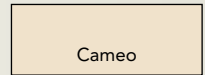
\* Finish options shown may not be accurate representations. Actual color samples are available upon request.  
 \*\* Some exterior finishes may be limited to certain regions. Please contact your Weather Shield dealer for details.

# Exterior Options

## STANDARD FINISHES\*



White



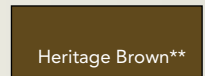
Cameo



Tan



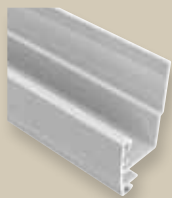
Desert Tan\*\*



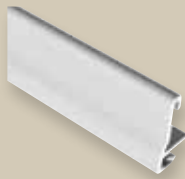
Heritage Brown\*\*

# Trim Options

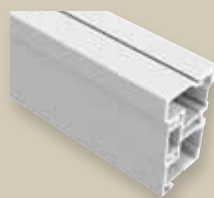
## EXTERIOR TRIM OPTIONS



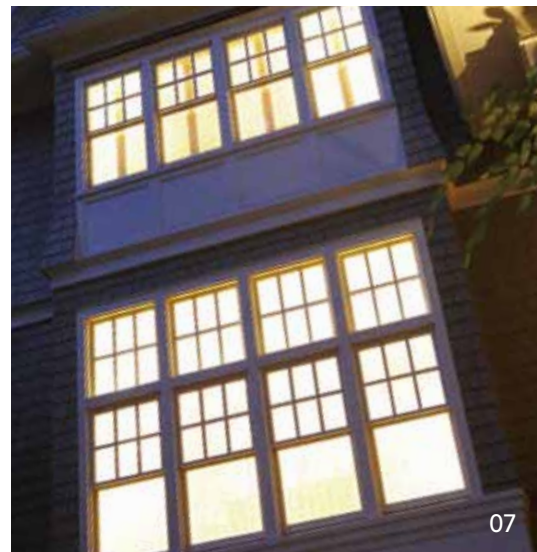
Brickmould with J-Channel



J-Channel

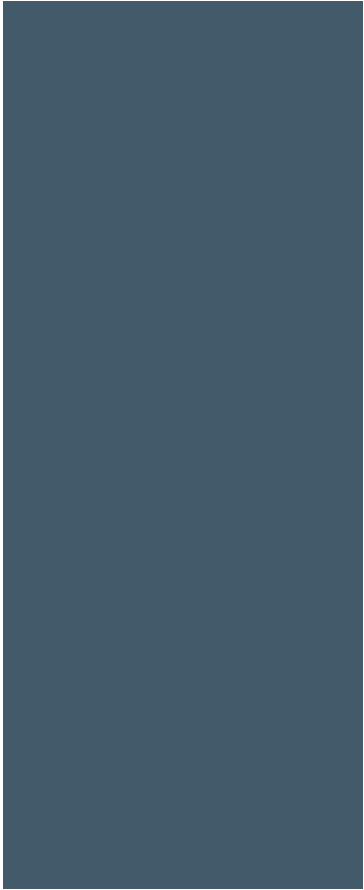


Renovation Brickmould





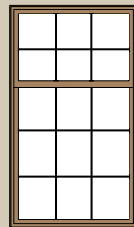
# DOUBLE HUNG WINDOWS



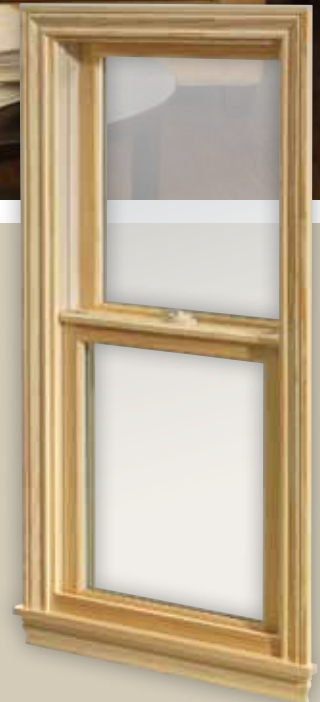
Equal Lite



Oriel



Cottage



# Maintenance-free innovations with built-in energy savings



**Airspace** provides insulating power from summer heat and winter cold. Adding safe, colorless argon gas to the airspace increases the window unit's energy efficiency.

**Low E<sup>2</sup> Coatings** comes standard to help to filter UV rays to protect furnishings from fading while also insulating the home in winter and summer extremes.

**The Unique Warm Edge Spacer** insulates the edge of the glass better to improve thermal performance and reduce condensation. In fact, this spacer improves thermal performance so well that your window will be more comfortable to sit next to during the winter and summer.

**Multi-Chambered Frame and Sash** improves structural and thermal performance by minimizing expansion and contraction due to seasonal changes or differences in outside and inside temperatures.



**Concealed Vinyl Jamb liner**  
(Standard)

**Concealed Wood Jamb liner**  
(Optional)

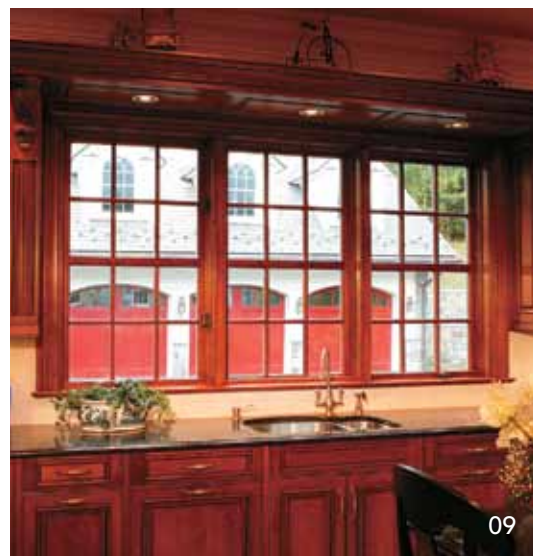
The **Concealed Jamb liner** is a unique design feature offered as part of the Symmetry Balance System. There is no visible weather stripping and the vinyl or optional wood jamb liner that is color matched to the double hung window unit, hides the ultra quiet, super smooth coil balance system.

## EASY TO OPEN

Utilizing a coil spring technology, the Symmetry Balance System® takes all the work out of lifting the sash by eliminating the need for tension or balance adjustments. The result? A window that opens quietly, smoothly and with very little effort.

## BEAUTY WITHIN

The innovative Symmetry Balance System® is hidden from view with a concealed vinyl or optional wood jamb liner. With no fuzzy weather stripping in sight, the concealed jamb liner offers clean architectural sightlines and is color matched to the unit; keeping the view beautiful both inside and out.



# CASEMENT & AWNING WINDOWS



Awning



Casement



# What Makes It the Best Frame?

## Superior Innovation Is Built Right In.

TRICORE™ FRAME TECHNOLOGY INCLUDES:

- 1 Extruded Exterior Cladding**  
Low-maintenance factory finish. Available in a large variety of colors to compliment any home.
- 2 Multi-Chambered Sub-Frame**  
Completely impervious to moisture.  
Acts as a thermal barrier for heat and cold.
- 3 Extruded Nailing Fins**  
Integral to the TriCore frame and fully welded in the corners creating ideal conditions for a perfect installation.
- 4 Solid Wood Interiors**  
Available in a variety of finishes to match a home's decor.



### FUNCTIONAL BEAUTY

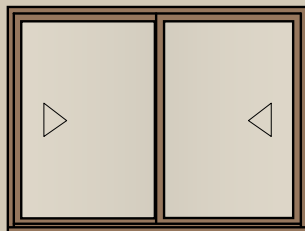
Our all metal Nested Crank handle makes for a more sleek and durable operating system. The crank folds neatly away from window coverings and has a matching cover that can easily be removed and replaced when painting or staining.

### BEAUTY AND BRAWN

The sleek multi-point lock secures the sash at multiple points with a single lever; providing not only a tight seal from the outside elements, but greater security. The slim design accomplishes all of this without interrupting the wood interior with clunky, obvious hardware.



# SLIDER WINDOWS

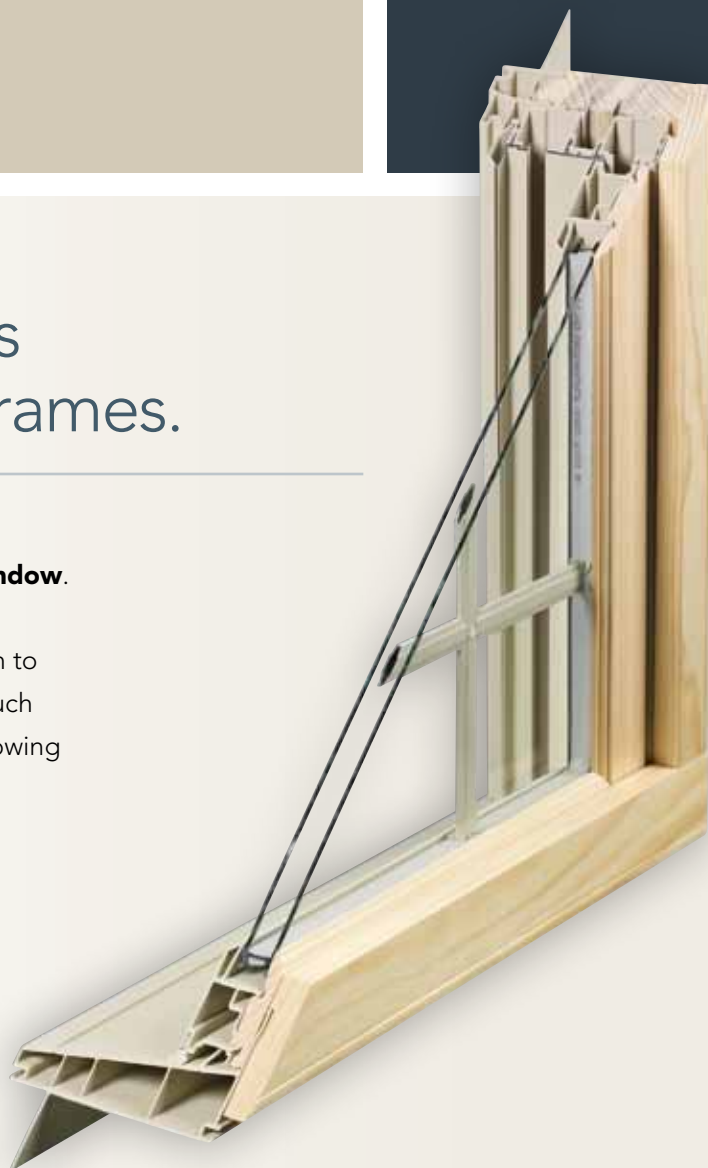


Double Slider



# Magnificent views deserve perfect frames.

Scenic expanses deserve the wide views available with the **Aspire Series slider window**. Because of its horizontal shape, the slider window is the perfect architectural solution to broad vistas or landscapes. And, with a touch of your finger, the window glides open allowing fresh air to fill the room.



## BRAINS AND BEAUTY

All-metal locks securely fasten the window together ensuring protection from the outside and the elements. The durable material and contemporary design compliment the style of any home. With flush mounted locks that tilt the sash in, the Aspire Series sliding window can be easily removed for cleaning.

## SLIDING WITH EASE

Whether it is the crisp mountain air, the salty tang of the ocean or the fragrant scent of cut grass, the Aspire slider window brings the outdoors in with a touch of your fingers. The bottom of the unit glides along the vinyl track ensuring a smooth and enduring movement for years to come.





# SPECIALTY SHAPE WINDOWS



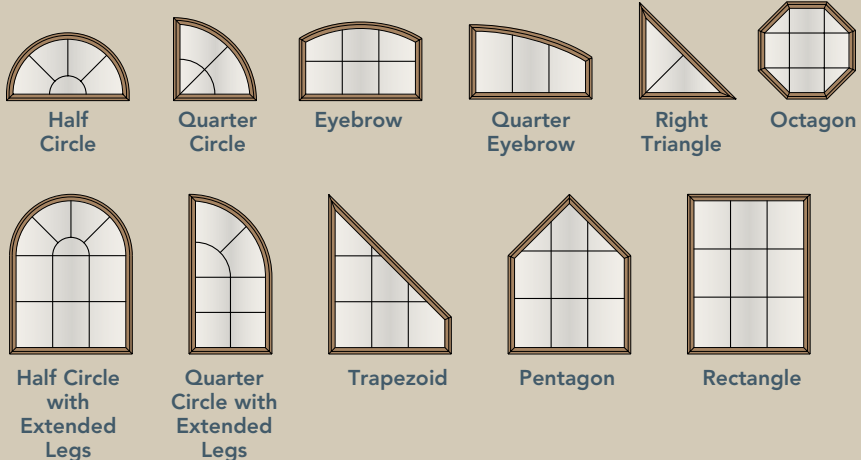
Building character into your home becomes easy with the Special Shapes offered by **Aspire Series direct set windows**. The glass panes are glazed directly into the frame allowing more daylight and greater freedom with shape, style or size. Whether complimenting the architecture or elevating the view, the various geometric shapes can create new visions while maintaining your budget.

# The shape of my window? *Beautiful.*

Our contemporary direct-set frame allows for more natural daylight.

The heavy solid wood interiors are ready for staining or painting. They are also available factory finished.

Our rigid nailing fins are integral to the frame, creating a barrier between the elements and your home.



# SLIDING PATIO DOORS





# Your invitation to magnificence has arrived.

Outdoor living adds greater space and enjoyment to any home. Connect your balcony, deck, patio or backyard to your indoors with a space-saving **Aspire Series sliding patio door**. The unit provides the indoors with expansive and uninterrupted views. And, by adding more natural light and fresh air, sliding patio doors can enlighten any room. Opening that door to another living space just got smoother and easier with the Aspire Series sliding patio door.



## STRENGTH AND SECURITY

Interlocking door panels offer an extra measure of security while also reducing infiltration of air and water. Door stiles are made with a structural, Laminated Veneer Lumber (LVL) core for added strength.



## MAINTENANCE FREE SILL

The weather resistant sill system is made from non-wood materials that will never rot. An integrated weep system channels water away from your home.



## SAFE AND SECURE

Feeling protected is important. To help keep your home guarded, a heavy duty lock of dichromate or stainless steel secures the panel to the frame at two points. For added protection, a three-point lock is available with a handle upgrade.



## SMOOTH OPERATOR

When your arms are full, it is sometimes easier to use your elbow to push the door open. With large 1-1/2" dual tandem rollers on the bottom of each panel, the Aspire Series sliding patio door glides open with ease...whether you use your elbow, foot, hand or fingers.

# HINGED PATIO DOORS



# The door to inspiration opens here.

French operating patio doors add graceful style to any home while flooding the space with natural light. **The Aspire Series hinged patio doors** blend traditional styling with modern energy efficiency to create open and inviting areas of living space. With multiple heights and widths, let your imagination grow to new elevations.



## STYLISHLY STRONG

Constructed of superior corrosion resistant steel; the high-performance locking mechanism secures the door at three points. An "anti-slam" feature prevents damage by keeping the lock bolts from extending until the door is in the closed position.



## STRONGER IS BETTER

For exceptional strength, durability and weather resistance, each door panel is constructed of Laminated Veneer Lumber (LVL) stiles. Stronger panels mean greater design flexibility, bigger sizes and higher performance ratings. Stronger IS Better.



## HANDLED WITH EASE

Three-point locking hardware holds the door firmly in place with 8mm shoot bolts that secure the active panels at the top, middle and bottom. The 4" adjustable hinges ensure precise door adjustment and smooth door operation. Together with the corrosion-resistant stainless steel hardware components, these features ensure trouble-free operation for years into the future.



## EFFICIENT ELEGANCE

The composite threshold on the Aspire hinged patio doors prevents the side jambs from soaking up moisture that leads to rotting. The vinyl bottom door sweep has a built-in water diverter for water drainage. While efficient, the matte bronze finish gives the final touch of elegance to any home.



# Technical Specifications

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# Double Hung Window Elevations

Unit Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-5 1/2"	3'-11 1/2"
Rough Opening	1'-6"	2'-0"	2'-6"	2'-8"	2'-10"	3'-0"	3'-2"	3'-6"	4'-0"
Soft Metric R.O. (mm)	457	610	762	813	864	914	965	1067	1219
Glass Size	11 5/8"	17 5/8"	23 5/8"	25 5/8"	27 5/8"	29 5/8"	31 5/8"	35 5/8"	41 5/8"
2'-11 1/2"									
3'-5 1/2"									
3'-11 1/2"									
4'-5 1/2"									
4'-7 1/2"									
4'-11 1/2"									
5'-1 1/2"									
5'-5 1/2"									

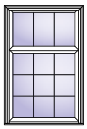
# Double Hung Window Elevations

Unit Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-5 1/2"	3'-11 1/2"
Rough Opening	1'-6"	2'-0"	2'-6"	2'-8"	2'-10"	3'-0"	3'-2"	3'-6"	4'-0"
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5'-11 1/2"									
6'-0"									
6'-5 1/2"									
6'-6"									
6'-11 1/2"									
7'-0"									

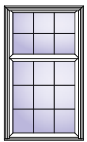
## Optional Sash Configurations

Available for these heights, and all widths.

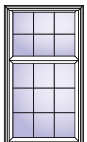
Cottage Sash Configuration



CO-2840

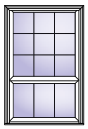


CO-2846

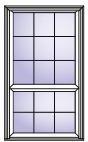


CO-2848

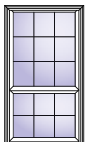
Oriel Sash Configuration



OR-2840

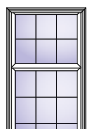


OR-2846

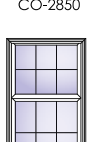


OR-2848

Cottage Sash Configuration

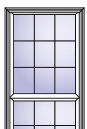


CO-2850



CO-2856

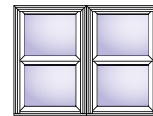
Oriel Sash Configuration



OR-2850

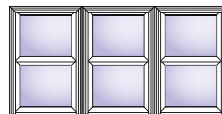


OR-2856



2 - Wide  
Width Dimensions

Base Code	Unit Dimension (Frame Size)	Rough Opening	Soft Metric R.O. (mm)
DH2-16	2'-11 1/16"	2'-11 9/16"	903
DH2-20	3'-11 1/16"	3'-11 9/16"	1208
DH2-26	4'-11 1/16"	4'-11 9/16"	1208
DH2-28	5'-3 1/16"	5'-3 9/16"	1411
DH2-210	5'-7 1/16"	5'-7 9/16"	1716
DH2-30	5'-11 1/16"	5'-11 9/16"	1818
DH2-32	6'-3 1/16"	6'-3 9/16"	1919
DH2-36	6'-11 1/16"	6'-11 9/16"	2047
DH2-40	7'-11 1/16"	7'-11 9/16"	2427



3 - Wide  
Width Dimensions

Base Code	Unit Dimension (Frame Size)	Rough Opening	Soft Metric R.O. (mm)
DH3-16	4'-4 5/8"	4'-5 1/8"	1372
DH3-20	5'-10 5/8"	5'-11 1/8"	1807
DH3-26	7'-4 5/8"	7'-5 1/8"	2264
DH3-28	7'-10 5/8"	7'-11 1/8"	2416
DH3-210	8'-4 5/8"	8'-5 1/8"	2569
DH3-30	8'-10 5/8"	8'-11 1/8"	2721
DH3-32	9'-4 5/8"	9'-5 1/8"	2873
DH3-36	10'-4 5/8"	10'-5 1/8"	3065
DH3-40	11'-10 5/8"	11'-11 1/8"	3635

























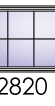






















# Double Hung Picture Window Elevations

Unit Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"
Rough Opening	1'-6"	2'-0"	2'-6"	2'-8"	2'-10"	3'-0"	3'-2"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
Soft Metric R.O. (mm)	457	610	762	813	864	914	965	1067	1219	1372	1524	1676	1829
Glass Size	14 3/4"	20 3/4"	26 3/4"	28 3/4"	30 3/4"	32 3/4"	34 3/4"	38 3/4"	44 3/4"	50 3/4"	56 3/4"	62 3/4"	68 3/4"
2-11 1/2"													
3-5 1/2"													
3-11 1/2"													
4-5 1/2"													
4-7 1/2"													
4-11 1/2"													
5-5 1/2"													
5-11 1/2"													
6-5 1/2"													
6-11 1/2"													

# Double Hung Picture Window Elevations


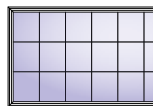
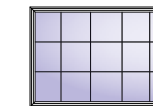


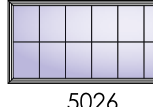
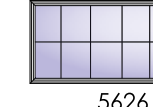

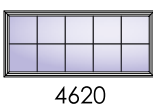
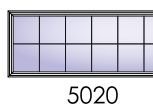
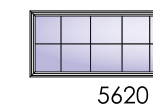

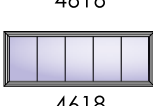
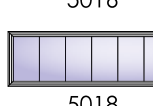
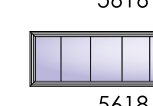

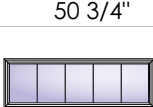
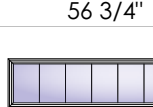
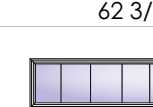

Unit Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-7 1/2"	2'-9 1/2"	2'-11 1/2"	3'-1 1/2"	3'-5 1/2"	3'-11 1/2"
Rough Opening	1'-6"	2'-0"	2'-6"	2'-8"	2'-10"	3'-0"	3'-2"	3'-6"	4'-0"
Soft Metric R.O. (mm)	457	610	762	813	864	914	965	1067	1219
Glass Size	14 3/4"	20 3/4"	26 3/4"	28 3/4"	30 3/4"	32 3/4"	34 3/4"	38 3/4"	44 3/4"

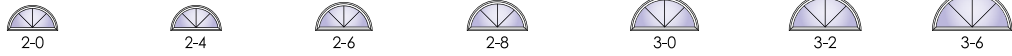
2'-11 1/2"	3'-0"	914	32 3/4"									
2'-5 1/2"	2'-6"	762	26 3/4"									
1'-11 1/2"	2'-0"	610	20 3/4"									
1'-7 1/2"	1'-8"	508	16 3/4"									
1'-5 1/2"	1'-6"	457	14 3/4"									

Unit Dimension	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"
Rough Opening	4'-6"	5'-0"	5'-6"	6'-0"
Soft Metric R.O. (mm)	1372	1524	1676	1829
Glass Size	50 3/4"	56 3/4"	62 3/4"	68 3/4"

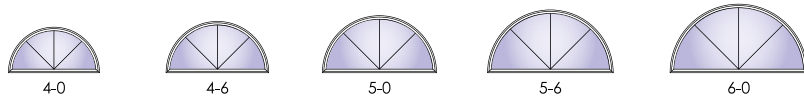
  

2'-11 1/2"	3'-0"	914	32 3/4"				
2'-5 1/2"	2'-6"	762	26 3/4"				
1'-11 1/2"	2'-0"	610	20 3/4"				
1'-7 1/2"	1'-8"	508	16 3/4"				
1'-5 1/2"	1'-6"	457	14 3/4"				

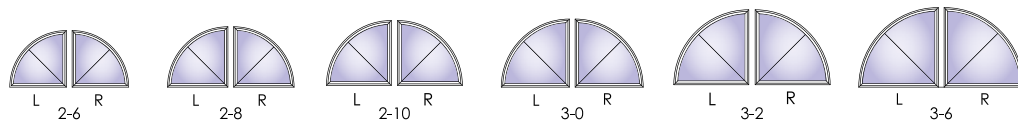
# Double Hung Specialty Shaped Window Elevations



Unit Dimension	1' 11-1/2" x 11-3/4"	2'-3-1/2" x 11-3/4"	2'-5 1/2" x 1'-2 3/4"	2'-7 1/2" x 1'-3 3/4"	2'-11 1/2" x 1'-5 3/4"	3'-1 1/2" x 1'-6 3/4"	3'-5 1/2" x 1'-8 3/4"
Rough Opening	2'-0" x 1'-0-1/4"	2'-4" x 1'-2-1/4"	2'-6" x 1'-3 1/4"	2'-8" x 1'-4 1/4"	3'-0" x 1'-6 1/4"	3'-2" x 1'-7 1/4"	3'-6" x 1'-9 1/4"
Soft Metric R.O. (mm)	610 x 311	711 x 362	762 x 381	813 x 413	914 x 457	965 x 489	1067 x 534



Unit Dimension	3'-11 1/2" x 1'-11 3/4"	4'-5 1/2" x 2'-2 3/4"	4'-11 1/2" x 2'-5 3/4"	5'-5 1/2" x 2'-8 3/4"	5'-11 1/2" x 2'-11 3/4"
Rough Opening	4'-0" x 2'-0 1/4"	4'-6" x 2'-3 1/4"	5'-0" x 2'-6 1/4"	5'-6" x 2'-9 1/4"	6'-0" x 3'-0 1/4"
Soft Metric R.O. (mm)	1219 x 610	1372 x 692	1524 x 762	1676 x 845	1829 x 915



Unit Dimension	2'-5 1/2" x 2'-5 1/2"	2'-7 1/2" x 2'-7 1/2"	2'-9 1/2" x 2'-9 1/2"	2'-11 1/2" x 2'-11 1/2"	3'-1 1/2" x 3'-1 1/2"	3'-5 1/2" x 3'-5 1/2"
Rough Opening	2'-6" x 2'-6"	2'-8" x 2'-8"	2'-10" x 2' 10"	3'-0" x 3'-0"	3'-2" x 3'-2"	3'-6" x 3'-6"
Soft Metric R.O. (mm)	762 x 762	813 x 813	864 x 864	914 x 914	965 x 965	1067 x 1067



# Double Hung Window Opening Specifications

DOUBLE HUNG

Call Size	Sq. Ft. Clear Opening	Clear Opening		Sq. Ft. Daylight Opening	Sq. Ft. Vent	Top of Subfloor to Top of Sill Stop <sup>a</sup>	Sq. Ft. Overall Unit Area <sup>b</sup>
		Width	Height				
1630	1.239	13.625	13.090	1.992	1.239	48.063	4.31
1636	1.522	13.625	16.090	2.435	1.522	42.063	5.04
1640	1.806	13.625	19.090	2.878	1.806	36.063	5.77
1646	2.090	13.625	22.090	3.320	2.090	30.063	6.50
1648	2.185	13.625	23.090	3.468	2.185	28.063	6.74
1650	2.374	13.625	25.090	3.763	2.374	24.063	7.23
1656	2.658	13.625	28.090	4.206	2.658	42.063	7.96
1660	2.942	13.625	31.090	4.648	2.942	36.063	8.69
1666	2.974	13.625	31.435	5.091	2.974	30.063	9.42
1670	2.974	13.625	31.435	5.534	2.974	24.063	10.15
2030	1.784	19.625	13.090	3.117	1.784	48.063	5.79
2036	2.193	19.625	16.090	3.810	2.193	42.063	6.77
2040	2.602	19.625	19.090	4.503	2.602	36.063	7.75
2046	3.011	19.625	22.090	5.195	3.011	30.063	8.73
2048	3.147	19.625	23.090	5.426	3.147	28.063	9.06
2050	3.419	19.625	25.090	5.888	3.419	24.063	9.71
2056	3.828	19.625	28.090	6.581	3.828	42.063	10.69
2060	4.237	19.625	31.090	7.273	4.237	36.063	11.67
2066	4.284	19.625	31.435	7.966	4.284	30.063	12.65
2070	4.063	19.625	29.810	8.659	4.063	24.063	13.63
2630	2.329	25.625	13.090	4.242	2.329	48.063	7.27
2636	2.863	25.625	16.090	5.185	2.863	42.063	8.50
2640	3.397	25.625	19.090	6.128	3.397	36.063	9.73
2646	3.931	25.625	22.090	7.070	3.931	30.063	10.96
2648	4.109	25.625	23.090	7.385	4.109	28.063	11.37
2650	4.465	25.625	25.090	8.013	4.465	24.063	12.19
2656	4.999	25.625	28.090	8.956	4.999	42.063	13.42
2660	5.533	25.625	31.090	9.898	5.533	36.063	14.65
2666	5.305	25.625	29.810	10.841	5.305	30.063	15.88
2670	5.305	25.625	29.810	11.784	5.305	24.063	17.11
2830	2.511	27.625	13.090	4.617	2.511	48.063	7.77
2836	3.087	27.625	16.090	5.643	3.087	42.063	9.08
2840	3.662	27.625	19.090	6.669	3.662	36.063	10.39
2846	4.238	27.625	22.090	7.695	4.238	30.063	11.70
2848	4.430	27.625	23.090	8.037	4.430	28.063	12.14
2850	4.813	27.625	25.090	8.721	4.813	24.063	13.02
2856	5.389	27.625	28.090	9.747	5.389	42.063	14.33
2860	5.719	27.625	29.810	10.773	5.719	36.063	15.64
2866	5.719	27.625	29.810	11.799	5.719	30.063	16.95
2870	5.719	27.625	29.810	12.826	5.719	24.063	18.27
21030	2.693	29.625	13.090	4.992	2.693	48.063	8.26
21036	3.310	29.625	16.090	6.102	3.310	42.063	9.65
21040	3.927	29.625	19.090	7.211	3.927	36.063	11.05
21046	4.545	29.625	22.090	8.320	4.545	30.063	12.45
21048	4.750	29.625	23.090	8.690	4.750	28.063	12.91
21050	5.162	29.625	25.090	9.430	5.162	24.063	13.84
21056	5.779	29.625	28.090	10.539	5.779	42.063	15.24
21060	6.133	29.625	29.810	11.648	6.133	36.063	16.63
21066	6.133	29.625	29.810	12.758	6.133	30.063	18.03
21070	6.133	29.625	29.810	13.867	6.133	24.063	19.43

Shaded sizes meet or exceed egress opening requirements per 2006 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44".

<sup>a</sup> Floor to bottom of clear opening dimensions are based on 82" header height. All units over 66 height are based off 106" header height for floor to clear opening dimension.

<sup>b</sup> Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

3050 (E) and 3149 (E) have a slightly modified sash portion to meet egress. Top sash glass is 17.50" taller than bottom. Sash stop must be removed to meet egress requirements.

# Double Hung Window Opening Specifications

Call Size	Sq. Ft. Clear Opening	Clear Opening		Sq. Ft. Daylight Opening	Sq. Ft. Vent	Top of Subfloor to Top of Sill Stop <sup>a</sup>	Sq. Ft. Overall Unit Area <sup>b</sup>
		Width	Height				
3030	2.875	31.625	13.090	5.367	2.875	48.063	8.75
3036	3.534	31.625	16.090	6.560	3.534	42.063	10.23
3040	4.193	31.625	19.090	7.753	4.193	36.063	11.71
3046	4.851	31.625	22.090	8.945	4.851	30.063	13.19
3048	5.071	31.625	23.090	9.343	5.071	28.063	13.68
3050	5.510	31.625	25.090	10.138	5.510	24.063	14.67
3050 (E)	5.702	31.625	25.965	10.138	5.702	24.063	14.67
3052	5.730	31.625	26.090	10.536	5.730	22.063	15.16
3056	6.169	31.625	28.090	11.331	6.169	42.063	16.15
3060	6.547	31.625	29.810	12.523	6.547	36.063	17.63
3066	6.547	31.625	29.810	13.716	6.547	30.063	19.11
3070	6.547	31.625	29.810	14.909	6.547	24.063	20.59
3149 (E)	5.728	33.375	24.715	10.230	5.728	26.563	14.74
3230	3.057	33.625	13.090	5.742	3.057	48.063	9.24
3236	3.757	33.625	16.090	7.018	3.757	42.063	10.81
3240	4.458	33.625	19.090	8.294	4.458	36.063	12.37
3246	5.158	33.625	22.090	9.570	5.158	30.063	13.93
3248	5.392	33.625	23.090	9.996	5.392	28.063	14.45
3250	5.859	33.625	25.090	10.846	5.859	24.063	15.49
3256	6.559	33.625	28.090	12.122	6.559	42.063	17.06
3260	6.961	33.625	29.810	13.398	6.961	36.063	18.62
3266	6.961	33.625	29.810	14.674	6.961	30.063	20.18
3270	6.961	33.625	29.810	15.951	6.961	24.063	21.74
3630	3.420	37.625	13.090	6.492	3.420	48.063	10.23
3636	4.204	37.625	16.090	7.935	4.204	42.063	11.96
3640	4.988	37.625	19.090	9.378	4.988	36.063	13.69
3646	5.772	37.625	22.090	10.820	5.772	30.063	15.42
3648	6.033	37.625	23.090	11.301	6.033	28.063	15.99
3650	6.556	37.625	25.090	12.263	6.556	24.063	17.15
3656	7.339	37.625	28.090	13.706	7.339	42.063	18.88
3660	7.789	37.625	29.810	15.148	7.789	36.063	20.61
3666	7.789	37.625	29.810	16.591	7.789	30.063	22.34
3670	7.789	37.625	29.810	18.034	7.789	24.063	24.06
4030	3.966	43.625	13.090	7.617	3.966	48.063	11.71
4036	4.874	43.625	16.090	9.310	4.874	42.063	13.69
4040	5.783	43.625	19.090	11.003	5.783	36.063	15.67
4046	6.692	43.625	22.090	12.695	6.692	30.063	17.65
4048	6.995	43.625	23.090	13.260	6.995	28.063	18.31
4050	7.601	43.625	25.090	14.388	7.601	24.063	19.63
4056	8.510	43.625	28.090	16.081	8.510	42.063	21.61
4060	9.031	43.625	29.810	17.773	9.031	36.063	23.59
4066	8.537	43.625	28.180	19.466	8.537	30.063	25.56
4070	8.537	43.625	28.180	21.159	8.537	24.063	27.54

Shaded sizes meet or exceed egress opening requirements per 2006 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44".

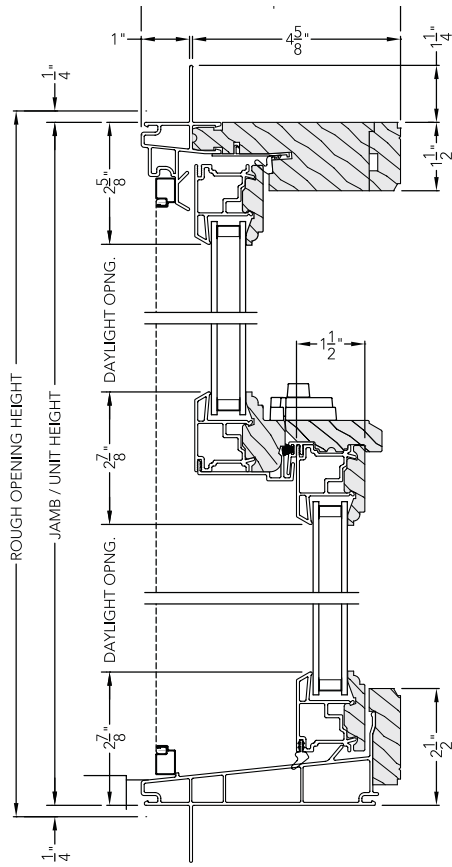
<sup>a</sup> Floor to bottom of clear opening dimensions are based on 82" header height.

All units over 66 height are based off 106" header height for floor to clear opening dimension.

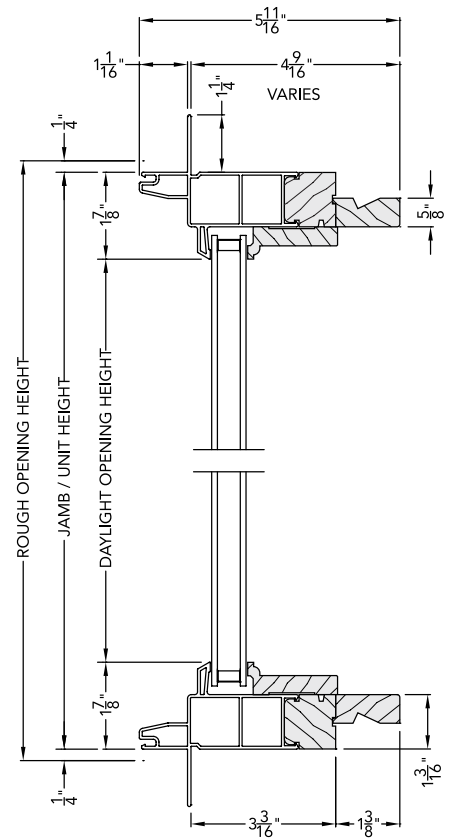
<sup>b</sup> Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

3050 (E) and 3149 (E) have a slightly modified sash portion to meet egress. Top sash glass is 17.50" taller than bottom. Sash stop must be removed to meet egress requirements.

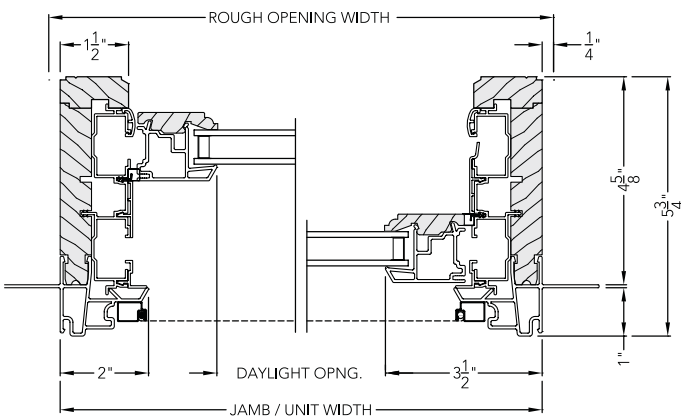
# Double Hung Cross Sections



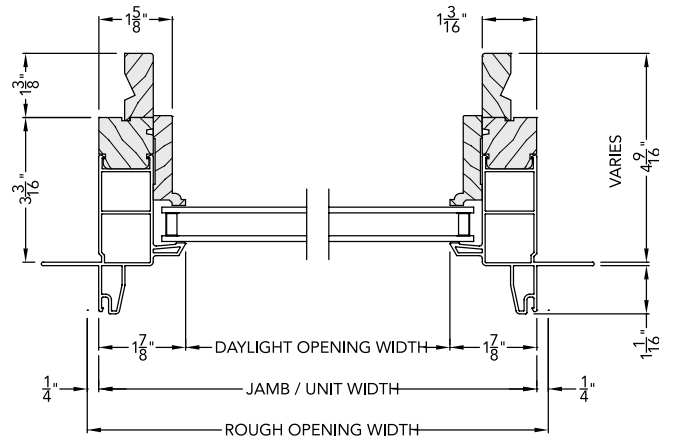
**ASPIRE DOUBLE HUNG WINDOW**  
Vertical Section



**ASPIRE PICTURE / TRANSOM**  
Vertical Section



**ASPIRE DOUBLE HUNG WINDOW**  
Horizontal Section

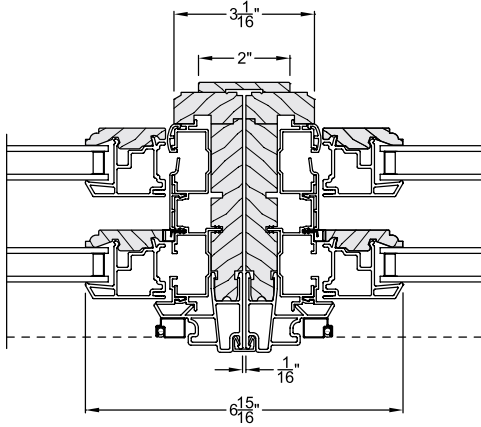


**ASPIRE PICTURE / TRANSOM**  
Horizontal Section

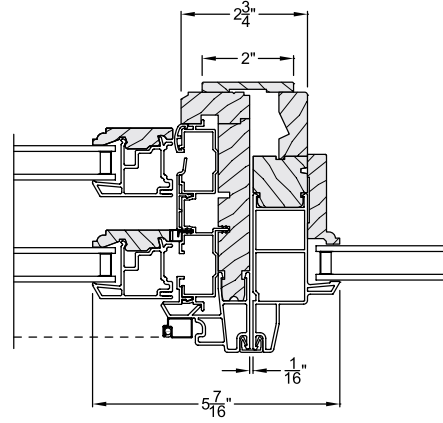
Note: All dimensions are approximate. Weather Shield reserves the right to change specifications without notice.



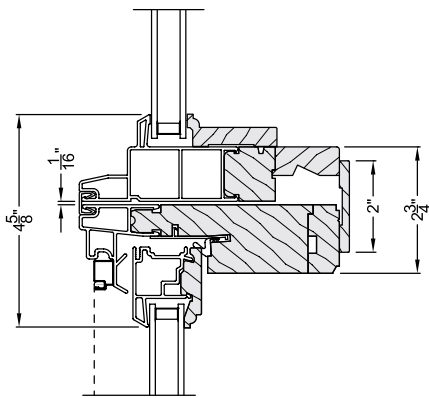
# Double Hung Cross Sections



**ASPIRE DOUBLE HUNG WINDOW**  
Horizontal Mull Section - DH / DH



**ASPIRE DOUBLE HUNG WINDOW**  
Vertical Mull Section - DH / DH Picture



**ASPIRE DIRECT-SET WINDOW**  
Horizontal Mull Section - DH Tran / DH

Note: All dimensions are approximate. Weather Shield reserves the right to change specifications without notice.


# Casement Window Elevations

CASEMENT

Unit Dimension	1'-5 1/2"	1'-7 1/2"	1'-11 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-11 1/2"
Rough Opening	1'-6"	1'-8"	2'-0"	2'-4"	2'-6"	2'-8"	3'-0"
Soft Metric R.O. (mm)	457	508	610	711	762	813	914
Glass Size	13 3/8"	15 3/8"	19 3/8"	23 3/8"	25 3/8"	27 3/8"	31 3/8"

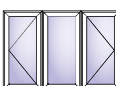
  

1'-11 1/2"							
2'-5 1/2"	1620	1820	2020	2420	2620	2820	3020
2'-7 1/2"							
2'-11 1/2"	1626	1826	2026	2426	2626	2826	3026
3'-0"							
3'-0"	1630	1830	2030	2430	2630	2830	3030
3'-5 1/2"							
3'-5 1/2"	1636	1836	2036	2436	2636	2836	3036
3'-6"							
3'-6"	1640	1840	2040	2440	2640	2840	3040
3'-11 1/2"							
3'-11 1/2"	1646	1846	2046	24046	2646	2846	3046
4'-0"							
4'-0"	1650	1850	2050	2450	2650	2850	3050
4'-5 1/2"							
4'-5 1/2"	1656	1856	2056	2456	2656	2856	3056
4'-6"							
4'-6"	1660	1860	2060	2460	2660	2860	3060
4'-11 1/2"							
4'-11 1/2"	1666	1866	2066	2466	2666	2866	3066
5'-0"							
5'-0"	1670	1870	2070	2470	2670	2870	3070
5'-5 1/2"							
5'-5 1/2"	1676	1876	2076	2476	2676	2876	3076
5'-6"							
5'-6"	1681	1881	2081	2481	2681	2881	3081
5'-11 1/2"							
5'-11 1/2"	1687	1887	2087	2487	2687	2887	3087
6'-0"							
6'-0"	1691	1891	2091	2491	2691	2891	3091
6'-5 1/2"							
6'-5 1/2"	1696	1896	2096	2496	2696	2896	3096
6'-6"							
6'-6"	1700	1900	2100	2500	2700	2900	3100
6'-11 1/2"							
6'-11 1/2"	1704	1904	2104	2504	2704	2904	3104
7'-0"							
7'-0"	1708	1908	2108	2508	2708	2908	3108
7'-4"							
7'-4"	1712	1912	2112	2512	2712	2912	3112
7'-8"							
7'-8"	1716	1916	2116	2516	2716	2916	3116
7'-11 1/2"							
7'-11 1/2"	1720	1920	2120	2520	2720	2920	3120
8'-0"							
8'-0"	1724	1924	2124	2524	2724	2924	3124
8'-4"							
8'-4"	1728	1928	2128	2528	2728	2928	3128
8'-8"							
8'-8"	1732	1932	2132	2532	2732	2932	3132
8'-11 1/2"							
8'-11 1/2"	1736	1936	2136	2536	2736	2936	3136
9'-0"							
9'-0"	1740	1940	2140	2540	2740	2940	3140
9'-4"							
9'-4"	1744	1944	2144	2544	2744	2944	3144
9'-8"							
9'-8"	1748	1948	2148	2548	2748	2948	3148
10'-0"							
10'-0"	1752	1952	2152	2552	2752	2952	3152
10'-4"							
10'-4"	1756	1956	2156	2556	2756	2956	3156
10'-8"							
10'-8"	1760	1960	2160	2560	2760	2960	3160
10'-11 1/2"							
10'-11 1/2"	1764	1964	2164	2564	2764	2964	3164
11'-0"							
11'-0"	1768	1968	2168	2568	2768	2968	3168
11'-4"							
11'-4"	1772	1972	2172	2572	2772	2972	3172
11'-8"							
11'-8"	1776	1976	2176	2576	2776	2976	3176
11'-11 1/2"							
11'-11 1/2"	1780	1980	2180	2580	2780	2980	3180




### 2 - Wide Units Width Dimensions

Base Code	Unit Dimension (Frame Size)	Rough Opening	Soft Metric R.O. (mm)
CS2-16	2'-11 1/16"	2'-11 9/16"	903
CS2-18	3'-3 1/16"	3'-3 9/16"	1005
CS2-20	3'-11 1/16"	3'-11 9/16"	1208
CS2-24	4'-7 1/16"	4'-7 9/16"	1411
CS2-26	4'-11 1/16"	4'-11 9/16"	1513
CS2-28	5'-3 1/16"	5'-3 9/16"	1615
CS2-30	5'-11 1/16"	5'-11 9/16"	1818



### 3 - Wide Units Width Dimensions

Base Code	Unit Dimension (Frame Size)	Rough Opening	Soft Metric R.O. (mm)
CS3-16	4'-4 5/8"	4'-5 1/8"	1235
CS3-18	4'-10 5/8"	4'-11 1/8"	1502
CS3-20	5'-10 5/8"	5'-11 1/8"	1807
CS3-24	6'-10 5/8"	6'-11 1/8"	2111
CS3-26	7'-4 5/8"	7'-5 1/8"	2264
CS3-28	7'-10 5/8"	7'-11 1/8"	2416
CS3-30	8'-10 5/8"	8'-11 1/8"	2721



### 4 - Wide Units Width Dimensions

Base Code	Unit Dimension (Frame Size)	Rough Opening	Soft Metric R.O. (mm)
CS4-16	5'-10 3/16"	5'-10 11/16"	1796
CS4-18	6'-6 3/16"	6'-6 11/16"	1999
CS4-20	7'-10 3/16"	7'-10 11/16"	2405
CS4-24	9'-2 3/16"	9'-2 11/16"	2812
CS4-26	9'-10 3/16"	9'-10 11/16"	3015
CS4-28	10'-6 3/16"	10'-6 11/16"	3218
CS4-30	11'-10 3/16"	11'-10 11/16"	3320



### 5 - Wide Units Width Dimensions

Base Code	Unit Dimension (Frame Size)	Rough Opening	Soft Metric R.O. (mm)
CS5-16	7'-3 3/4"	7'-4 1/4"	2242
CS5-18	8'-1 3/4"	8'-2 1/4"	2496
CS5-20	9'-9 3/4"	9'-10 1/4"	3004
CS5-24	11'-5 3/4"	11'-6 1/4"	3512

# Casement Sash-Set Picture Window Elevations

Unit Dimension	1'-5 1/2"	1'-7 1/2"	1'-11 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"
Rough Opening	1'-6"	1'-8"	2'-0"	2'-4"	2'-6"	2'-8"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
Soft Metric R.O. (mm)	457	508	610	711	762	813	914	1067	1219	1372	1524	1626	1829
Class Size	13 3/8"	15 3/8"	19 3/8"	23 3/8"	25 3/8"	27 3/8"	31 3/8"	37 3/8"	43 3/8"	49 3/8"	55 3/8"	61 3/8"	67 3/8"
1'-5 1/2"	1616	1816	2016	2416	2616	2816	3016	3616	4016	4616	5016	5616	6016
1'-7 1/2"	1618	1818	2018	2418	2618	2818	3018	3618	4018	4618	5018	5618	6018
1'-11 1/2"	1620	1820	2020	2420	2620	2820	3020	3620	4020	4620	5020	5620	6020
2'-3 1/2"	1626	1826	2026	2426	2626	2826	3026	3626	4026	4626	5026	5626	6026
2'-5 1/2"	1630	1830	2030	2430	2630	2830	3030	3630	4030	4630	5030	5630	6030
2'-7 1/2"	1636	1836	2036	2436	2636	2836	3036	3636	4036	4636	5036	5636	6036
2'-11 1/2"	1640	1840	2040	2440	2640	2840	3040	3640	4040	4640	5040	5640	6040
3'-5 1/2"	1646	1846	2046	2446	2646	2846	3046	3646	4046	4646	5046	5646	6046
3'-11 1/2"	1650	1850	2050	2450	2650	2850	3050	3650	4050	4650	5050	5650	6050
4'-5 1/2"	1656	1856	2056	2456	2656	2856	3056	3656	4056	4656	5056	5656	6056
4'-11 1/2"	1660	1860	2060	2460	2660	2860	3060	3660	4060	4660	5060	5660	6060

CASEMENT



# Casement Transom Window Elevations

Unit Dimension	1'-5 1/2"	1'-7 1/2"	1'-11 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"
Rough Opening	1'-6"	1'-8"	2'-0"	2'-4"	2'-6"	2'-8"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
Soft Metric R.O. (mm)	457	508	610	711	762	813	914	1067	1219	1372	1524	1626	1829
Glass Size	14 3/4"	16 3/4"	20 3/4"	24 3/4"	26 3/4"	28 3/4"	32 3/4"	38 3/4"	44 3/4"	50 3/4"	56 3/4"	62 3/4"	68 3/4"

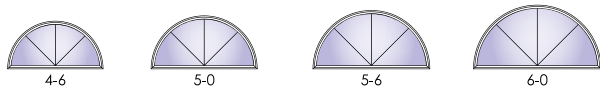
  

2'-11 1/2"	1616	1816	2016	2416	2616	2816	3016	3616	4016	4616	5016	5616	6016
3'-0"	1618	1818	2018	2418	2618	2818	3018	3618	4018	4618	5018	5618	6018
2'-5 1/2"	1620	1820	2020	2420	2620	2820	3020	3620	4020	4620	5020	5620	6020
2'-6"	1626	1826	2026	2426	2626	2826	3026	3626	4026	4626	5026	5626	6026
3'-0"	1630	1830	2030	2430	2630	2830	3030	3630	4030	4630	5030	5630	6030

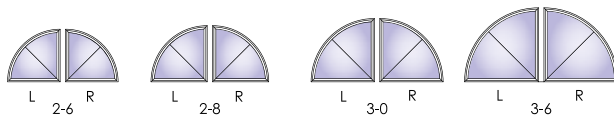
# Casement Specialty Shape Window Elevations



Unit Dimension	1'-11 1/2" x 11 3/4"	2'-3 1/2" x 1'-1 3/4"	2'-5 1/2" x 1'-2 3/4"	2'-7 1/2" x 1'-3 3/4"	2'-11 1/2" x 1'-5 3/4"	3'-5 1/2" x 1'-8 3/4"	3'-11 1/2" x 1'-11 3/4"
Rough Opening	2'-0" x 1'-0 1/4"	2'-4" x 1'-2 1/4"	2'-6" x 1'-3 1/4"	2'-8" x 1'-4 1/4"	3'-0" x 1'-6 1/4"	3'-6" x 1'-9 1/4"	4'-0" x 2'-0 1/4"
Soft Metric R.O. (mm)	610 x 311	660 x 362	762 x 381	813 x 413	914 x 457	1067 x 534	1219 x 610



Unit Dimension	4'-5 1/2" x 2'-2 3/4"	4'-11 1/2" x 2'-5 3/4"	5'-5 1/2" x 2'-8 3/4"	5'-11 1/2" x 2'-11 3/4"
Rough Opening	4'-6" x 2'-3 1/4"	5'-0" x 2'-6 1/4"	5'-6" x 2'-9 1/4"	6'-0" x 3'-0 1/4"
Soft Metric R.O. (mm)	1372 x 692	1524 x 762	1676 x 845	1829 x 915



Unit Dimension	2'-5 1/2" x 2'-5 1/2"	2'-7 1/2" x 2'-7 1/2"	2'-11 1/2" x 2'-11 1/2"	3'-5 1/2" x 3'-5 1/2"
Rough Opening	2'-6" x 2'-6"	2'-8" x 2'-8"	3'-0" x 3'-0"	3'-6" x 3'-6"
Soft Metric R.O. (mm)	762 x 762	813 x 813	914 x 914	1067 x 1067

Verify local or state egress requirements with your local building inspector.

# Casement Window Opening Specifications

Call Size	Sq. Ft. Clear Opening	Clear Opening		Sq. Ft. Daylight Opening	Sq. Ft. Vent	Floor to Bottom of Clear Opening <sup>a</sup>	Sq. Ft. Overall Unit Area <sup>b</sup>
		Width	Height				
1620	1.29	9.71	19.16	1.59	1.57	60.89	2.86
1626	1.70	9.71	25.16	2.11	2.06	54.89	3.59
1630	2.10	9.71	31.16	2.63	2.55	48.89	4.31
1636	2.51	9.71	37.16	3.14	3.04	42.89	5.04
1640	2.91	9.71	43.16	3.66	3.54	36.89	5.77
1646	3.32	9.71	49.16	4.18	4.03	30.89	6.50
1650	3.72	9.71	55.16	4.70	4.52	24.89	7.23
1656	4.13	9.71	61.16	5.21	5.01	18.89	7.96
1660	4.53	9.71	67.16	5.73	5.50	12.89	8.69
1666	4.93	9.71	73.16	6.25	5.99	30.89	9.42
1670	5.34	9.71	79.16	6.77	6.49	24.89	10.15
1820	1.56	11.71	19.16	1.85	1.84	60.89	3.18
1826	2.05	11.71	25.16	2.45	2.41	54.89	3.99
1830	2.53	11.71	31.16	3.05	2.99	48.89	4.81
1836	3.02	11.71	37.16	3.65	3.56	42.89	5.62
1840	3.51	11.71	43.16	4.25	4.14	36.89	6.43
1846	4.00	11.71	49.16	4.85	4.71	30.89	7.24
1850	4.49	11.71	55.16	5.45	5.29	24.89	8.06
1856	4.98	11.71	61.16	6.05	5.86	18.89	8.87
1860	5.46	11.71	67.16	6.66	6.44	12.89	9.68
1866	5.95	11.71	73.16	7.26	7.01	30.89	10.49
1870	6.44	11.71	79.16	7.86	7.59	24.89	11.31
2020	2.09	15.71	19.16	2.36	2.37	60.89	3.84
2026	2.75	15.71	25.16	3.13	3.11	54.89	4.81
2030	3.40	15.71	31.16	3.89	3.85	48.89	5.79
2036	4.06	15.71	37.16	4.66	4.59	42.89	6.77
2040	4.71	15.71	43.16	5.43	5.33	36.89	7.75
2046	5.36	15.71	49.16	6.20	6.08	30.89	8.73
2050	6.02	15.71	55.16	6.96	6.82	24.89	9.71
2056	6.67	15.71	61.16	7.73	7.56	18.89	10.69
2060	7.33	15.71	67.16	8.50	8.30	12.89	11.67
2066	7.98	15.71	73.16	9.27	9.04	30.89	12.65
2070	8.64	15.71	79.16	10.04	9.78	24.89	13.63
2420	2.62	19.71	19.16	2.87	2.90	60.89	4.49
2426	3.44	19.71	25.16	3.80	3.81	54.89	5.63
2430	4.27	19.71	31.16	4.74	4.72	48.89	6.78
2436	5.09	19.71	37.16	5.67	5.63	42.89	7.93
2440	5.91	19.71	43.16	6.61	6.53	36.89	9.07
2446	6.73	19.71	49.16	7.54	7.44	30.89	10.22
2450	7.55	19.71	55.16	8.48	8.35	24.89	11.36
2456	8.37	19.71	61.16	9.41	9.26	18.89	12.51
2460	9.19	19.71	67.16	10.35	10.17	12.89	13.65
2466	10.89	21.44	73.16	11.28	11.08	30.89	14.80
2470	11.79	21.44	79.16	12.21	11.98	24.89	15.95

a Floor to bottom of clear opening dimensions are based on 82" jamb height of a typical door.  
b Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

All units 32.5" or wider in rough opening width are manufactured with a 14" hinge. Sash opens to approximately 80° at full opening, which could limit emergency escape and rescue compatibility. Check with your local building inspector to verify local codes.

# Casement Window Opening Specifications

Call Size	Sq. Ft. Clear Opening	Clear Opening		Sq. Ft. Daylight Opening	Sq. Ft. Vent	Floor to Bottom of Clear Opening <sup>a</sup>	Sq. Ft. Overall Unit Area <sup>b</sup>
		Width	Height				
2620	2.89	21.71	19.16	3.13	3.17	60.89	4.81
2626	3.79	21.71	25.16	4.14	4.16	54.89	6.04
2630	4.70	21.71	31.16	5.16	5.15	48.89	7.27
2636	6.05	23.44	37.16	6.18	6.14	42.89	8.50
2640	6.51	21.71	43.16	7.20	7.13	36.89	9.73
2646	7.41	21.71	49.16	8.21	8.12	30.89	10.96
2650	8.32	21.71	55.16	9.23	9.12	24.89	12.19
2656	9.22	21.71	61.16	10.25	10.11	18.89	13.42
2660	10.13	21.71	67.16	11.27	11.10	12.89	14.65
2666	11.03	21.71	73.16	12.29	12.09	30.89	15.88
2670	11.94	21.71	79.16	13.30	13.08	24.89	17.11
2820	2.88	21.63	19.16	3.38	3.43	60.89	5.14
2826	3.78	21.63	25.16	4.48	4.51	54.89	6.45
2830	4.68	21.63	31.16	5.58	5.58	48.89	7.77
2836	6.12	23.71	37.16	6.69	6.66	42.89	9.08
2840	6.48	21.63	43.16	7.79	7.73	36.89	10.39
2846	7.39	21.63	49.16	8.89	8.81	30.89	11.70
2850	8.29	21.63	55.16	9.99	9.88	24.89	13.02
2856	9.19	21.63	61.16	11.09	10.96	18.89	14.33
2860	10.09	21.63	67.16	12.19	12.03	12.89	15.64
2866	10.99	21.63	73.16	13.29	13.11	30.89	16.95
2870	11.89	21.63	79.16	14.39	14.18	24.89	18.27
3020	3.40	25.57	19.16	3.89	3.97	60.89	5.79
3026	4.47	25.57	25.16	5.16	5.21	54.89	7.27
3030 <sup>c</sup>	6.00	27.71	31.16	6.43	6.45	48.89	8.75
3036	6.60	25.57	37.16	7.70	7.69	42.89	10.23
3040	7.66	25.57	43.16	8.96	8.93	36.89	11.71
3046	8.73	25.57	49.16	10.23	10.17	30.89	13.19
3050	9.79	25.57	55.16	11.50	11.41	24.89	14.67
3056	10.86	25.57	61.16	12.77	12.66	18.89	16.15
3060	11.92	25.57	67.16	14.04	13.90	12.89	17.63
3066	12.99	25.57	73.16	15.30	15.14	30.89	19.11
3070	14.05	25.57	79.16	16.57	16.38	24.89	20.59

Shaded sizes meet or exceed egress opening requirements per 2006 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44" in height.

a Floor to bottom of clear opening dimensions are based on 82" header height of a typical door.

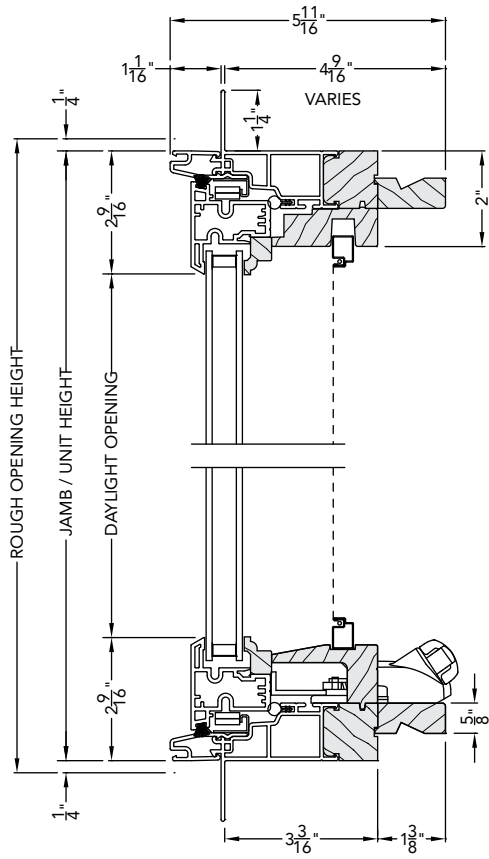
b Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

c These windows meet or exceed emergency escape and rescue opening requirements if installed lower in the wall so the "Floor to Bottom of Clear Opening Height" does not exceed 44" in height.

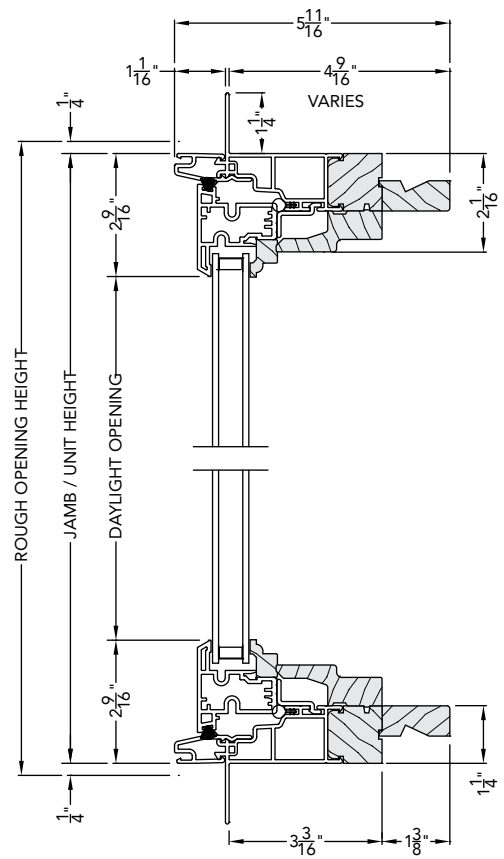
All units 32.5" or wider in rough opening width are manufactured with a 14" hinge. Sash opens to approximately 82° at full opening, which could limit emergency escape and rescue compatibility. Check with your local building inspector to verify local codes.

CASEMENT

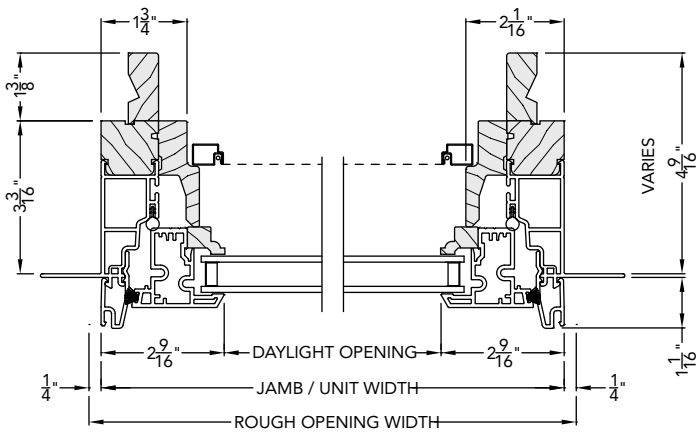
# Casement Window Cross Sections



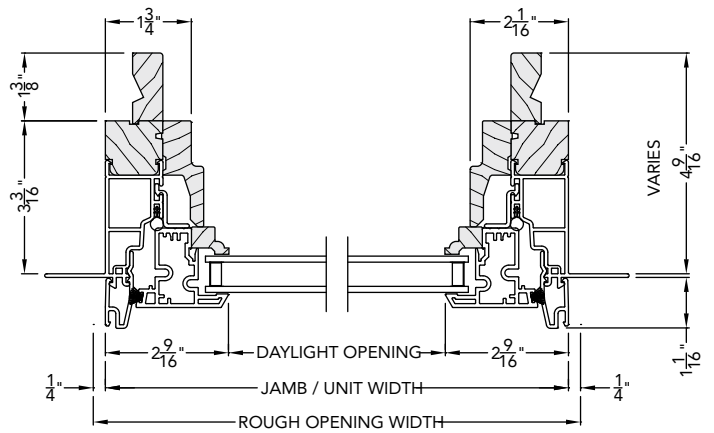
**ASPIRE CASEMENT WINDOW**  
Vertical Section



**ASPIRE CASEMENT PICTURE WINDOW**  
Vertical Section



**ASPIRE CASEMENT WINDOW**  
Horizontal Section



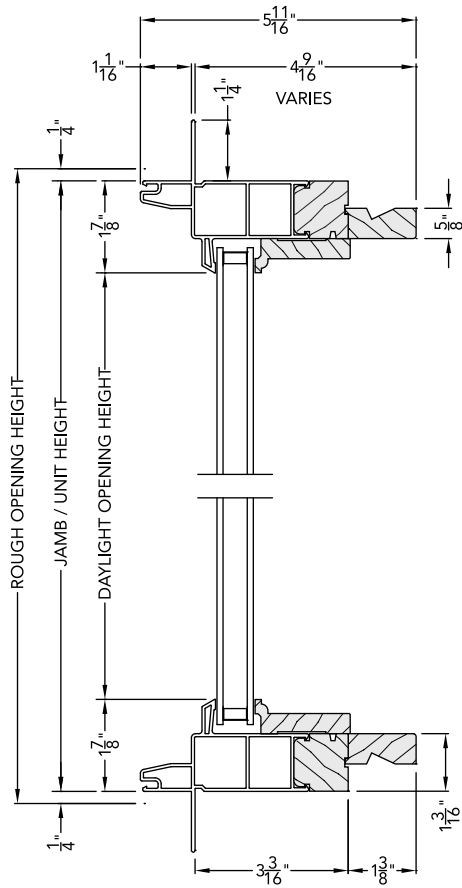
**ASPIRE CASEMENT PICTURE WINDOW**  
Horizontal Section

Note: All dimensions are approximate. Weather Shield reserves the right to change specifications without notice.

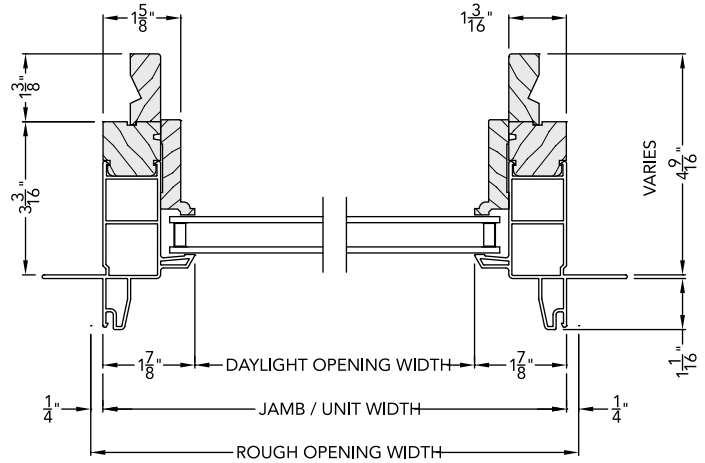


# Casement Window Cross Sections

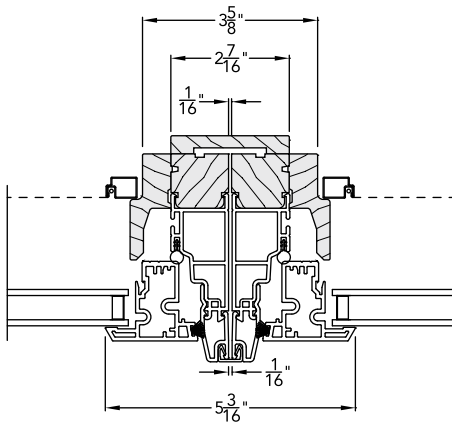
CASEMENT



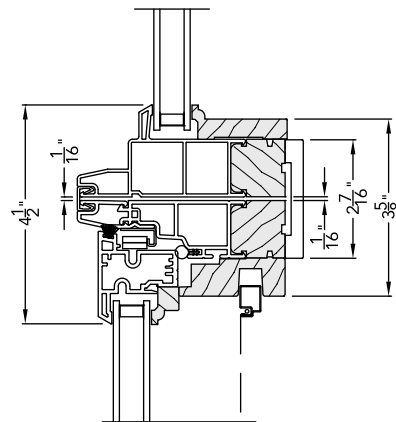
**ASPIRE DIRECT-SET / TRANSOM**  
Vertical Section



**ASPIRE DIRECT-SET / TRANSOM**  
Horizontal Section



**ASPIRE CASEMENT WINDOW**  
Vertical Mull Section - Cas / Cas



**ASPIRE DIRECT-SET WINDOW**  
Horizontal Mull Section - Trans / Cas

Note: All dimensions are approximate. Weather Shield reserves the right to change specifications without notice.

# Awning Window Elevations

Unit Dimension	1'-5 1/2"	1'-7 1/2"	1'-11 1/2"	2'-3 1/2"	2'-5 1/2"	2'-7 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"
Rough Opening	1'-6"	1'-8"	2'-0"	2'-4"	2'-6"	2'-8"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
Soft Metric R.O. (mm)	457	508	610	711	762	813	914	1067	1219	1372	1524
Glass Size	13 3/8"	15 3/8"	19 3/8"	23 3/8"	25 3/8"	27 3/8"	31 3/8"	37 3/8"	43 3/8"	49 3/8"	55 3/8"

1'-5 1/2"											
1'-7 1/2"											
1'-11 1/2"											
2'-3 1/2"											
2'-5 1/2"											
2'-7 1/2"											
2'-11 1/2"											

**2 - Wide**  
Width Dimensions

Base Code	Unit Dimension (Frame Size)	Rough Opening	Soft Metric R.O. (mm)
AW2-16	2'-11 1/16"	2'-11 9/16"	903
AW2-18	3'-3 1/16"	3'-3 9/16"	1005
AW2-20	3'-11 1/16"	3'-11 9/16"	1208
AW2-24	4'-7 1/16"	4'-7 9/16"	1411
AW2-26	4'-11 1/16"	4'-11 9/16"	1513
AW2-28	5'-3 1/16"	5'-3 9/16"	1615
AW2-30	5'-11 1/16"	5'-11 9/16"	1818
AW2-36	6'-11 1/16"	6'-11 9/16"	2123
AW2-40	7'-11 1/16"	7'-11 9/16"	2427
AW2-46	8'-11 1/16"	8'-11 9/16"	2732
AW2-50	9'-11 1/16"	9'-11 9/16"	3037

**3 - Wide**  
Width Dimensions

Base Code	Unit Dimension (Frame Size)	Rough Opening	Soft Metric R.O. (mm)
AW3-16	4'-4 5/8"	4'-5 1/8"	1235
AW3-18	4'-10 5/8"	4'-11 1/8"	1502
AW3-20	5'-10 5/8"	5'-11 1/8"	1807
AW3-24	6'-10 5/8"	6'-11 1/8"	2111
AW3-26	7'-4 5/8"	7'-5 1/8"	2264
AW3-28	7'-10 5/8"	7'-11 1/8"	2416
AW3-30	8'-10 5/8"	8'-11 1/8"	2721
AW3-36	10'-4 5/8"	10'-5 1/8"	3178
AW3-40	11'-10 5/8"	11'-11 1/8"	3635
AW3-46	13'-4 5/8"	13'-5 1/8"	4093
AW3-50	14'-10 5/8"	14'-11 1/8"	4550

**4 - Wide**  
Width Dimensions

Base Code	Unit Dimension (Frame Size)	Rough Opening	Soft Metric R.O. (mm)
AW4-16	5'-10 3/16"	5'-10 11/16"	1796
AW4-18	6'-6 3/16"	6'-6 11/16"	1999
AW4-20	7'-10 3/16"	7'-10 11/16"	2405
AW4-24	9'-2 3/16"	9'-2 11/16"	2812
AW4-26	9'-10 3/16"	9'-10 11/16"	3015
AW4-28	10'-6 3/16"	10'-6 11/16"	3218
AW4-30	11'-10 3/16"	11'-10 11/16"	3320

# Awning Window Opening Specifications

Call Size	Vent		Sq. Ft. Vent	Sq. Ft. Daylight Opening	Sq. Ft. Overall Unit Area <sup>a</sup>
	Width	Height			
1616	13.44	9.59	0.89	1.07	2.13
1618	13.44	11.59	1.08	1.25	2.37
1620	13.44	14.59	1.36	1.59	2.86
1626	13.44	20.59	1.92	2.11	3.59
1630	13.44	24.59	2.29	2.63	4.31
1636	13.44	30.59	2.85	3.14	5.04
1640	13.44	34.59	3.23	3.66	5.77
1816	15.44	9.59	1.03	1.25	2.37
1818	15.44	11.59	1.24	1.45	2.64
1820	15.44	14.59	1.56	1.85	3.18
1826	15.44	20.59	2.21	2.45	3.99
1830	15.44	24.59	2.64	3.05	4.81
1836	15.44	30.59	3.28	3.65	5.62
1840	15.44	34.59	3.71	4.25	6.43
2016	19.44	9.59	1.29	1.59	2.86
2018	19.44	11.59	1.56	1.85	3.18
2020	19.44	14.59	1.97	2.36	3.84
2026	19.44	20.59	2.78	3.13	4.81
2030	19.44	24.59	3.32	3.89	5.79
2036	19.44	30.59	4.13	4.66	6.77
2040	19.44	34.59	4.67	5.43	7.75
2416	23.44	9.59	1.56	1.94	3.34
2418	23.44	11.59	1.89	2.25	3.72
2420	23.44	14.59	2.37	2.87	4.49
2426	23.44	20.59	3.35	3.80	5.63
2430	23.44	24.59	4.00	4.74	6.78
2436	23.44	30.59	4.98	5.67	7.93
2440	23.44	34.59	5.63	6.61	9.07
2616	25.44	9.59	1.69	2.11	3.59
2618	25.44	11.59	2.05	2.45	3.99
2620	25.44	14.59	2.58	3.13	4.81
2626	25.44	20.59	3.64	4.14	6.04
2630	25.44	24.59	4.34	5.16	7.27
2636	25.44	30.59	5.40	6.18	8.50
2640	25.44	34.59	6.11	7.20	9.73
2816	27.44	9.59	1.83	2.28	3.83
2818	27.44	11.59	2.21	2.65	4.27
2820	27.44	14.59	2.78	3.38	5.14
2826	27.44	20.59	3.92	4.48	6.45
2830	27.44	24.59	4.68	5.58	7.77
2836	27.44	30.59	5.83	6.69	9.08
2840	27.44	34.59	6.59	7.79	10.39

Shaded sizes meet or exceed egress opening requirements per 2006 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44" in height.

a. Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

# Awning Window Opening Specifications

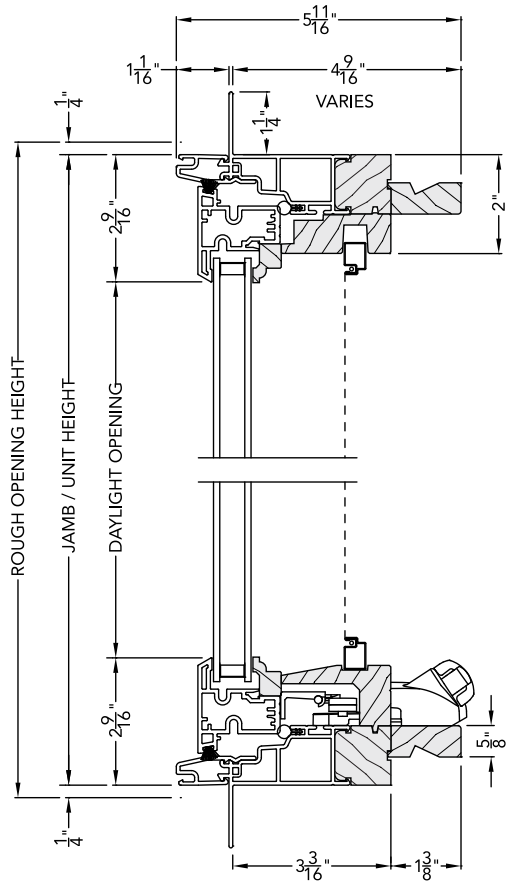
Call Size	Vent		Sq. Ft. Vent	Sq. Ft. Daylight Opening	Sq. Ft. Overall Unit Area <sup>a</sup>
	Width	Height			
3016	31.44	9.59	2.09	2.63	4.31
3018	31.44	11.59	2.53	3.05	4.81
3020	31.44	14.59	3.18	3.89	5.79
3026	31.44	20.59	4.49	5.16	7.27
3030	31.44	24.59	5.37	6.43	8.75
3036	31.44	30.59	6.68	7.70	10.23
3040	31.44	34.59	7.55	8.96	11.71
3616	37.44	9.59	2.49	3.14	5.04
3618	37.44	11.59	3.01	3.65	5.62
3620	37.44	14.59	3.79	4.66	6.77
3626	37.44	20.59	5.35	6.18	8.50
3630	37.44	24.59	6.39	7.70	10.23
3636	37.44	30.59	7.95	9.21	11.96
3640	37.44	34.59	8.99	10.73	13.69
4016	43.44	9.59	2.89	3.66	5.77
4018	43.44	11.59	3.49	4.25	6.43
4020	43.44	14.59	4.40	5.43	7.75
4026	43.44	20.59	6.21	7.20	9.73
4030	43.44	24.59	7.42	8.96	11.71
4036	43.44	30.59	9.23	10.73	13.69
4040	43.44	34.59	10.43	12.50	15.67
4616	49.44	9.59	3.29	4.18	6.50
4618	49.44	11.59	3.98	4.85	7.24
4620	49.44	14.59	5.01	6.20	8.73
4626	49.44	20.59	7.07	8.21	10.96
4630	49.44	24.59	8.44	10.23	13.19
4636	49.44	30.59	10.50	12.25	15.42
4640	49.44	34.59	11.87	14.27	17.65
5016	55.44	9.59	3.69	4.70	7.23
5018	55.44	11.59	4.46	5.45	8.06
5020	55.44	14.59	5.62	6.96	9.71
5026	55.44	20.59	7.93	9.23	12.19
5030	55.44	24.59	9.46	11.50	14.67
5036	55.44	30.59	11.77	13.77	17.15
5040	55.44	34.59	13.31	16.04	19.63

Shaded sizes meet or exceed egress opening requirements per 2006 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44" in height.

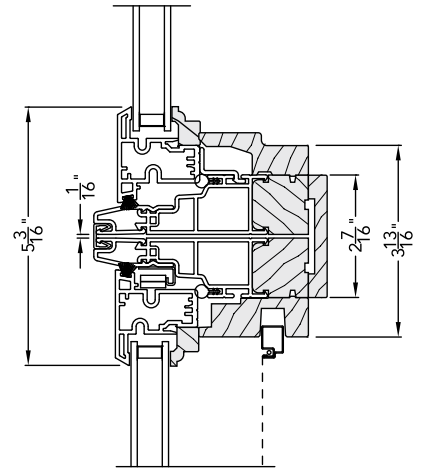
a Sq. Ft. Overall Unit Area is calculated on the jamb dimension.



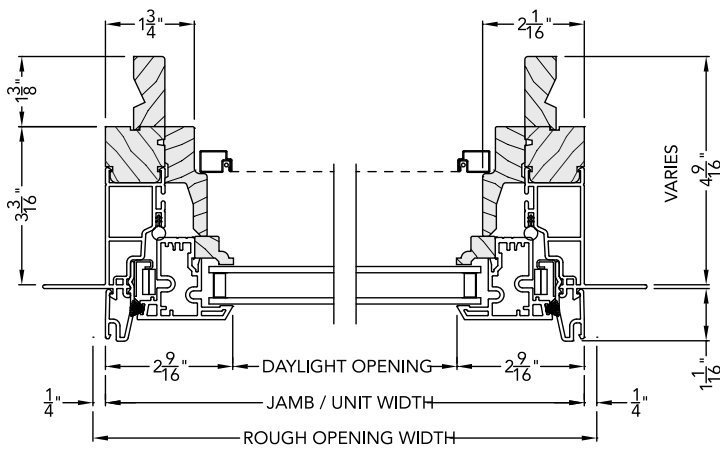
# Awning Window Cross Sections



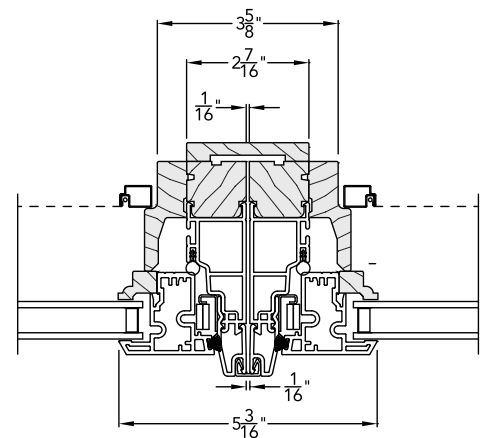
**ASPIRE AWNING WINDOW**  
Vertical Section



**ASPIRE AWNING WINDOW**  
Horizontal Mull Section - Pic / Awn








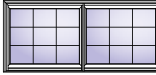














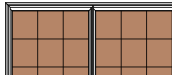



































**ASPIRE AWNING WINDOW**  
Horizontal Section



**ASPIRE AWNING WINDOW**  
Vertical Mull Section - AWN / AWN

Note: All dimensions are approximate. Weather Shield reserves the right to change specifications without notice.

# Double Slider Window Elevations

Unit Dimension	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"
Rough Opening	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
Soft Metric R.O. (mm)	914	1067	1219	1372	1524	1676	1829
Glass Size	14 1/2"	17 1/2"	20 1/2"	23 1/2"	26 1/2"	29 1/2"	32 1/2"
2'-5 1/2"							
2'-11 1/2"							
3'-5 1/2"							
3'-11 1/2"							
4'-5 1/2"							
4'-11 1/2"							
5'-5 1/2"							
5'-11 1/2"							

SLIDER

# Double Slider Window Opening Specifications

Call Size	Sq. Ft. Clear Opening	Clear Opening		Sq. Ft. Daylight Opening	Sq. Ft. Vent	Floor to Bottom of Clear Opening <sup>a</sup>	Sq. Ft. Overall Unit Area <sup>b</sup>
		Width	Height				
3020	1.880	13.884	19.500	3.117	1.880	60.564	5.79
3026	2.459	13.884	25.500	4.242	2.459	54.564	7.27
3030	3.037	13.884	31.500	5.367	3.037	48.564	8.75
3036	3.616	13.884	37.500	6.492	3.616	42.564	10.23
3040	4.194	13.884	43.500	7.617	4.194	36.564	11.71
3046	4.773	13.884	49.500	8.742	4.773	30.564	13.19
3050	5.351	13.884	55.500	9.867	5.351	24.564	14.67
3056	5.930	13.884	61.500	10.992	5.930	42.564	16.15
3060	6.508	13.884	67.500	12.117	6.508	36.564	17.63
3620	2.286	16.884	19.500	3.810	2.286	60.564	6.77
3626	2.990	16.884	25.500	5.185	2.990	54.564	8.50
3630	3.693	16.884	31.500	6.560	3.693	48.564	10.23
3636	4.397	16.884	37.500	7.935	4.397	42.564	11.96
3640	5.100	16.884	43.500	9.310	5.100	36.564	13.69
3646	5.804	16.884	49.500	10.685	5.804	30.564	15.42
3650	6.507	16.884	55.500	12.060	6.507	24.564	17.15
3656	7.211	16.884	61.500	13.435	7.211	42.564	18.88
3660	7.914	16.884	67.500	14.810	7.914	36.564	20.61
4020	2.715	20.048	19.500	4.503	2.715	60.564	7.75
4026	3.550	20.048	25.500	6.128	3.550	54.564	9.73
4030	4.386	20.048	31.500	7.753	4.386	48.564	11.71
4036	5.221	20.048	37.500	9.378	5.221	42.564	13.69
4040*	6.056	20.048	43.500	11.003	6.056	36.564	15.67
4046*	6.892	20.048	49.500	12.628	6.892	30.564	17.65
4050*	7.727	20.048	55.500	14.253	7.727	24.564	19.63
4056*	8.562	20.048	61.500	15.878	8.562	42.564	21.61
4060*	9.398	20.048	67.500	17.503	9.398	36.564	23.59
4620	3.099	22.884	19.500	5.195	3.099	60.564	8.73
4626	4.052	22.884	25.500	7.070	4.052	54.564	10.96
4630	5.006	22.884	31.500	8.945	5.006	48.564	13.19
4636	5.959	22.884	37.500	10.820	5.959	42.564	15.42
4640	6.913	22.884	43.500	12.695	6.913	36.564	17.65
4646	7.866	22.884	49.500	14.570	7.866	30.564	19.88
4650	8.820	22.884	55.500	16.445	8.820	24.564	22.11
4656	9.773	22.884	61.500	18.320	9.773	42.564	24.34
4660	10.727	22.884	67.500	20.195	10.727	36.564	26.56

Shaded sizes meet or exceed egress opening requirements per 2006 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44".

<sup>a</sup> Floor to bottom of clear opening dimensions are based on 82" header height.

All units over 66 height are based off 106" header height for floor to clear opening dimension

<sup>b</sup> Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

Clear opening width calculations were taken at 6° to the frame. Check local codes for egress compliance.

# Double Slider Window Opening Specifications

Call Size	Sq. Ft. Clear Opening	Clear Opening		Sq. Ft. Daylight Opening	Sq. Ft. Vent	Floor to Bottom of Clear Opening <sup>a</sup>	Sq. Ft. Overall Unit Area <sup>b</sup>
		Width	Height				
5020	3.505	25.884	19.500	5.888	3.505	60.564	9.71
5026	4.584	25.884	25.500	8.013	4.584	54.564	12.19
5030	5.662	25.884	31.500	10.138	5.662	48.564	14.67
5036	6.741	25.884	37.500	12.263	6.741	42.564	17.15
5040	7.819	25.884	43.500	14.388	7.819	36.564	19.63
5046	8.898	25.884	49.500	16.513	8.898	30.564	22.11
5050	9.976	25.884	55.500	18.638	9.976	24.564	24.59
5056	11.055	25.884	61.500	20.763	11.055	42.564	27.06
5060	12.133	25.884	67.500	22.888	12.133	36.564	29.54
5620	3.911	28.884	19.500	6.581	3.911	60.564	10.69
5626	5.115	28.884	25.500	8.956	5.115	54.564	13.42
5630	6.318	28.884	31.500	11.331	6.318	48.564	16.15
5636	7.522	28.884	37.500	13.706	7.522	42.564	18.88
5640	8.725	28.884	43.500	16.081	8.725	36.564	21.61
5646	9.929	28.884	49.500	18.456	9.929	30.564	24.34
5650	11.132	28.884	55.500	20.831	11.132	24.564	27.06
5656	12.336	28.884	61.500	23.206	12.336	42.564	29.79
5660	13.539	28.884	67.500	25.581	13.539	36.564	32.52
6020	4.318	31.884	19.500	7.273	4.318	60.564	11.67
6026	5.646	31.884	25.500	9.898	5.646	54.564	14.65
6030	6.975	31.884	31.500	12.523	6.975	48.564	17.63
6036	8.303	31.884	37.500	15.148	8.303	42.564	20.61
6040	9.632	31.884	43.500	17.773	9.632	36.564	23.59
6046	10.960	31.884	49.500	20.398	10.960	30.564	26.56
6050	12.289	31.884	55.500	23.023	12.289	24.564	29.54
6056	13.617	31.884	61.500	25.648	13.617	42.564	32.52
6060	14.946	31.884	67.500	28.273	14.946	36.564	35.50

Shaded sizes meet or exceed egress opening requirements per 2006 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44".

<sup>a</sup> Floor to bottom of clear opening dimensions are based on 82" header height.

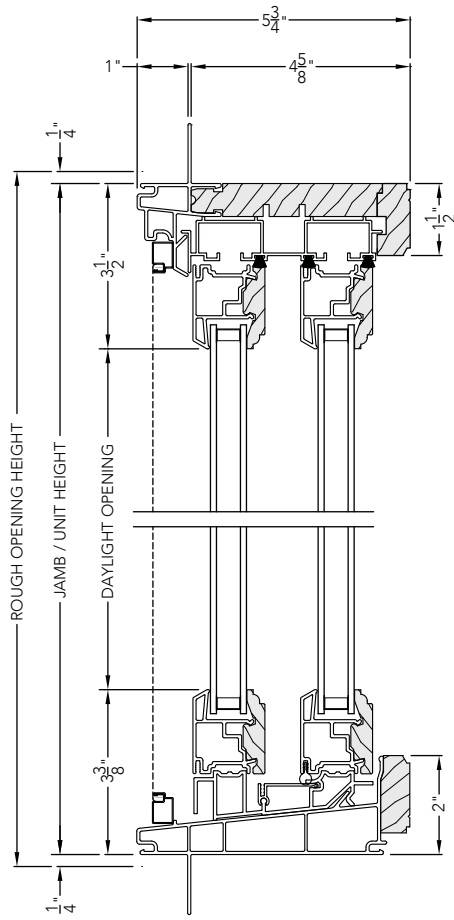
All units over 66 height are based off 106" header height for floor to clear opening dimension

<sup>b</sup> Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

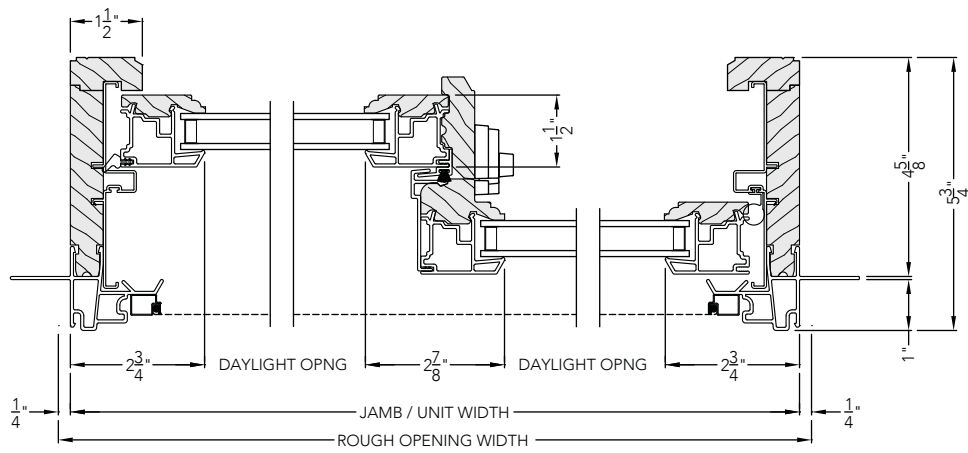
Clear opening width calculations were taken at 6° to the frame. Check local codes for egress compliance.



# Double Slider Window Cross Sections



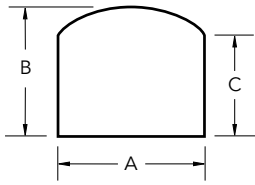
**ASPIRE SLIDER WINDOW**  
Vertical Section



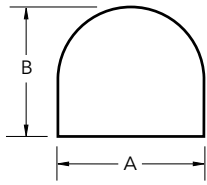
**ASPIRE SLIDER WINDOW**  
Horizontal Section - Single Glider

Note: All dimensions are approximate. Weather Shield reserves the right to change specifications without notice.

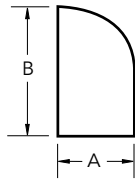
# Special Shapes – Radius & Geometric Elevations



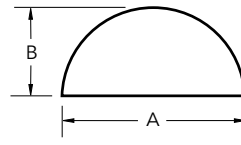
Eyebrow with Extended Legs



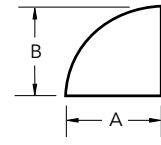
Half Circle with Extended Legs



Quarter Circle with Extended Legs

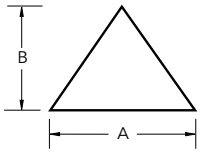


Half Circle

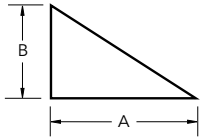


Quarter Circle

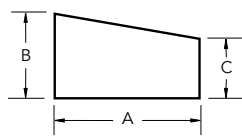
\*Template is required when ordering replacement glass and interior trim for custom sizes.



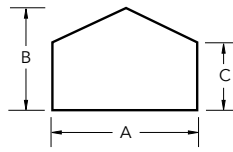
Isosceles Triangle



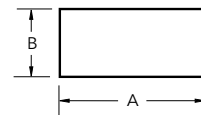
Right Angle Triangle



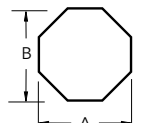
Trapezoid



Pentagon



Rectangle

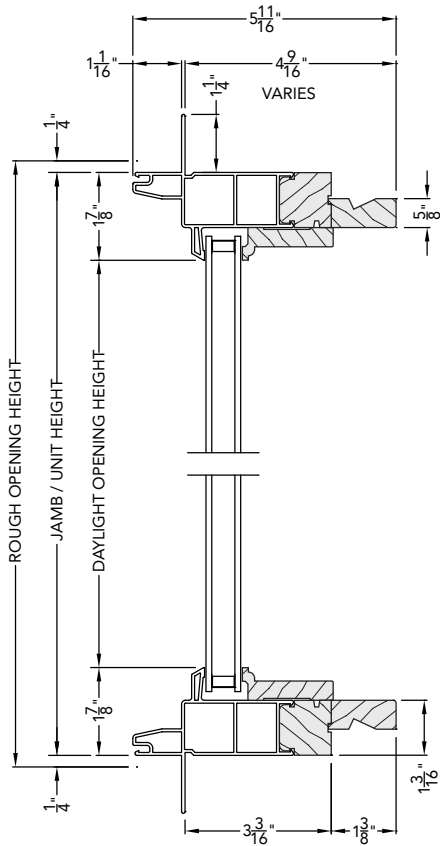


Octagon

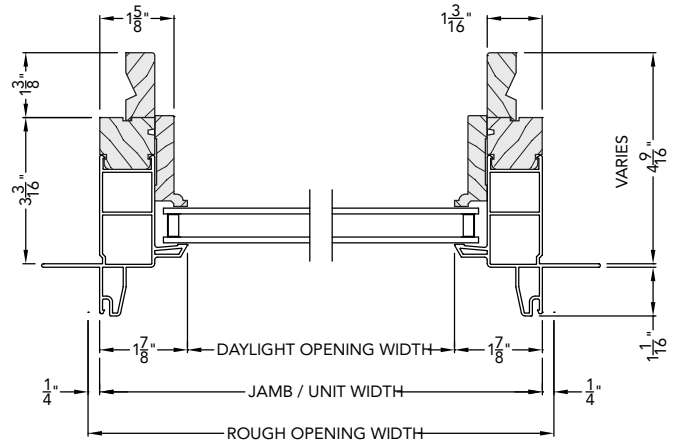
- A - Rough Opening Width
- B - Rough Opening Height
- C - Rough Opening Leg

For availability of specialty shapes not shown, contact customer service.

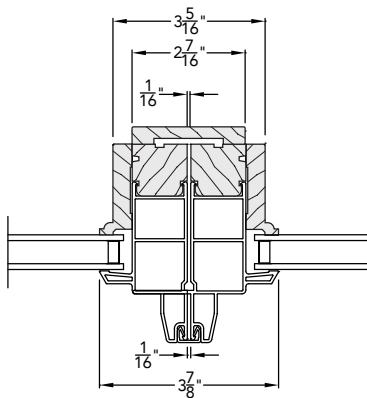
# Special Shape Window Cross Sections



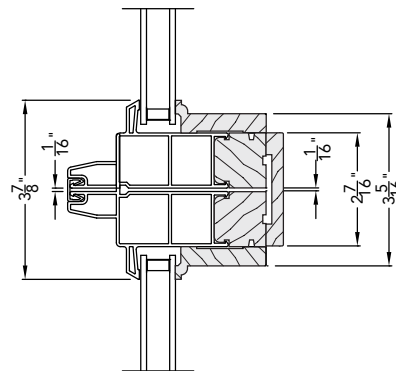
**ASPIRE SPECIAL SHAPE DIRECT-SET**  
Vertical Section



**ASPIRE SPECIAL SHAPE DIRECT-SET**  
Horizontal Section



**ASPIRE SPECIAL SHAPE / DIRECT-SET**  
Vertical Mull Section



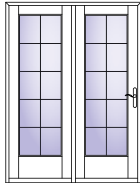
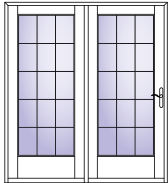
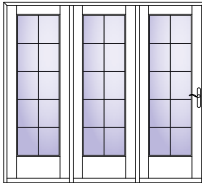
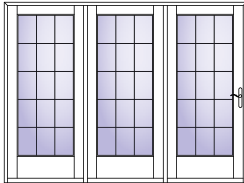
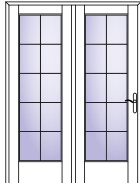
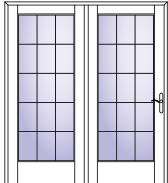
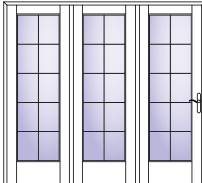
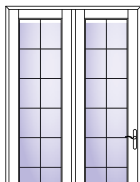
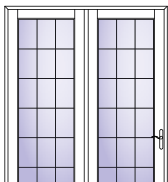
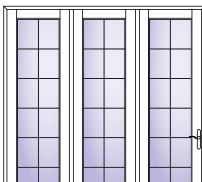
**ASPIRE DIRECT-SET WINDOW**  
Horizontal Mull Section

Note: All dimensions are approximate. Weather Shield reserves the right to change specifications without notice.

## Center Hinged Patio Door Elevations

Unit Dimension	4'-11 1/4"	5'-11 1/4"	7'-4 3/16"	8'-10 3/16"
Rough Opening	5'-0"	6'-0"	7'-4 15/16"	8'-10 15/16"
Soft Metric R.O. (mm)	1524	1829	2259	2716
Glass Size	19 1/16"	25 1/16"	19 1/16"	25 1/16"

























<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; justify-content: space-between;"> <span>6'-7 1/2"</span> <span>6'-8"</span> </div> <div style="display: flex; justify-content: space-between;"> <span>2032</span> <span>64 13/16"</span> </div> </div>				
	2-5068	2-6068	3-7568	3-81168
	<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; justify-content: space-between;"> <span>6'-10"</span> <span>6'-10 1/2"</span> </div> <div style="display: flex; justify-content: space-between;"> <span>2032</span> <span>67 5/16"</span> </div> </div>			
2-50610		2-60610	3-75610	3-811610
<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; justify-content: space-between;"> <span>8'-0"</span> <span>8'-0 1/2"</span> </div> <div style="display: flex; justify-content: space-between;"> <span>2451</span> <span>81 5/16"</span> </div> </div>				
	2-5080	2-6080	3-7580	3-81180

**NOTE:** Doors are available in-swing only.

## Center Hinged Patio Door Transom Elevations

Unit Dimension	4'-11 1/4"	5'-11 1/4"	7'-4-3/16"	8'-10-3/16"
Rough Opening	5'-0"	6'-0"	7'-4-15/16"	8'-10-15/16"
Soft Metric R.O. (mm)	1524	1829	2240	2716
Glass Size	56 9/16"	68 9/16"	7'-1-1/2"	8'-7-1/2"

<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; justify-content: space-between;"> <span>1'-0"</span> <span>1'-0 1/2"</span> </div> <div style="display: flex; justify-content: space-between;"> <span>318</span> <span>9 5/16"</span> </div> </div>					
	5010	6010	7510	81110	
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		5014	6014	7514	81114
	<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; justify-content: space-between;"> <span>1'-6"</span> <span>1'-6 1/2"</span> </div> <div style="display: flex; justify-content: space-between;"> <span>470</span> <span>1-3-5/16"</span> </div> </div>				
		5016	6016	7516	81116
	<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; justify-content: space-between;"> <span>1'-8"</span> <span>1'-8 1/2"</span> </div> <div style="display: flex; justify-content: space-between;"> <span>521</span> <span>1-7-5/16"</span> </div> </div>				
5018		6018	7518	81118	
<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; justify-content: space-between;"> <span>2'-0"</span> <span>2'-0 1/2"</span> </div> <div style="display: flex; justify-content: space-between;"> <span>622</span> <span>21 5/16"</span> </div> </div>					
	5020	6020	7520	81120	
<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; justify-content: space-between;"> <span>2'-4"</span> <span>2'-4 1/2"</span> </div> <div style="display: flex; justify-content: space-between;"> <span>724</span> <span>21-1-5/16"</span> </div> </div>					
	5024	6024	7524	81124	



# Center Hinged French Door Opening Specifications

Ordering Size	Sq. Ft. Clear Opening		Clear Opening <sup>B</sup> inches			Sq. Ft. Daylight Opening			Sq. Ft. Vent		Sq. Ft. Overall Unit Area <sup>D</sup>
	Hinge Code R/S R/S/S	Hinge Code S/L S/S/L	Hinge Code R/S R/S/S	Hinge Code S/L S/S/L	Height <sup>C</sup>	Insul Glass w/Flush Glazing Bead			Hinge Code R/S R/S/S	Hinge Code S/L S/S/L	
						with 7-1/2" Bottom Rail	with 10" Bottom Rail	with 12" Bottom Rail			
5-0 x 6-8	13.55	—	25.63	—	76.13	16.10	15.46	14.96	13.55	—	32.72
6-0 x 6-8	16.72	—	31.63	—	76.13	21.40	20.58	19.90	16.72	—	39.35
7-5 x 6-8	13.55	13.41	25.63	25.38	76.13	24.15	23.19	22.44	13.55	13.41	48.71
8-11 x 6-8	16.72	16.59	31.63	31.38	76.13	32.10	30.87	22.85	16.72	16.59	58.65
5-0 x 6-10	13.99	—	25.63	—	78.63	16.72	16.10	15.58	13.99	—	33.75
6-0 x 6-10	17.27	—	31.63	—	78.63	22.24	21.40	20.74	17.27	—	40.59
7-5 x 6-10	13.99	13.85	25.63	25.38	78.63	25.08	24.15	23.37	13.99	13.85	50.24
8-11 x 6-10	17.27	17.13	31.63	31.38	78.63	33.36	32.10	31.11	17.27	17.13	60.49
5-0 x 8-0	16.48	—	25.63	—	92.63	20.26	19.62	19.12	16.48	—	39.51
6-0 x 8-0	20.34	—	31.63	—	92.63	26.94	26.10	25.44	20.34	—	47.52
7-5 x 8-0	16.48	16.32	25.63	25.38	92.63	30.39	29.43	28.68	16.48	16.32	58.81
8-11 x 8-0	20.34	20.18	31.63	31.38	92.63	40.41	39.15	38.16	20.34	20.18	70.81

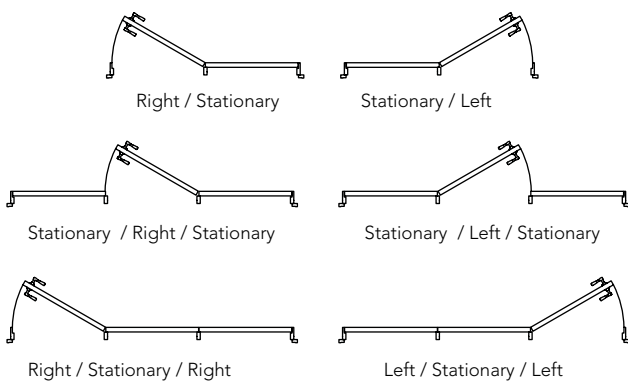
<sup>A</sup>All calculations assume operating panel is open 90 degrees.

<sup>B</sup>Clear Opening Width and Height dimensions are rounded down to 1/16" [2mm].

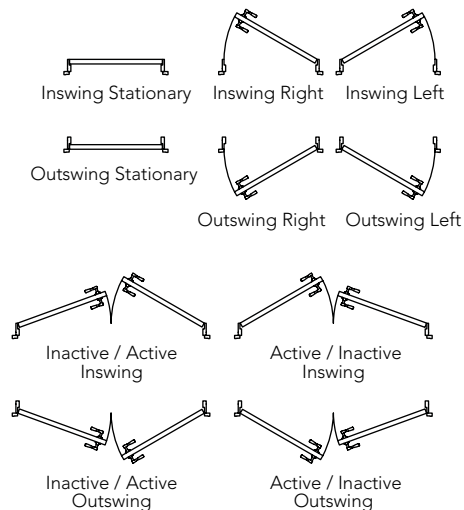
<sup>C</sup>Clear Opening Height dimensions calculated without screen.

<sup>D</sup>Sq. Ft. [cm<sup>2</sup>] Overall Unit Area is calculated on the jamb dimension.

## Center Hinged Patio Doors (Hinge Codes)



## Side Hinged Patio Doors (Hinge Codes)



# Side Hinged Patio Door Elevations

Unit Dimension	2'-6 5/16"	2'-8 5/16"	3'-0 5/16"	3'-1 9/16"	3'-11 1/4"	4'-11 1/4"	5'-3 1/4"	5'-11 1/4"	6'-1 11/16"
Rough Opening	2'-7 1/16"	2'-9 1/16"	3'-1 1/16"	3'-2 5/16"	4'-0"	5'-0"	5'-4"	6'-0"	6'-2 7/16"
Soft Metric R.O. (mm)	789	840	941	973	1219	1524	1626	1829	1891
Glass Size	19 1/16"	21 1/16"	25 1/16"	25 5/16"	13 1/16"	19 1/16"	21 1/16"	25 1/16"	26 9/32"

6'-7 1/2"									
6'-8"									
6'-10 1/2"									
8'-0"									

NOTE: Sizes are available in-swing or out-swing.

Heights shown are for standard sill. Deduct 1-1/2" for doors with ADA sills.  
 Outswing doors and sidelites are also available with a low-profile sill (not ADA). Deduct 5/8" for doors with this option.

# Side Hinged Patio Door Transom Elevations

Unit Dimension	2'-6 5/16"	2'-8 5/16"	3'-0 5/16"	3'-1 9/16"	3'-11 1/4"	4'-11 1/4"	5'-3 1/4"	5'-11 1/4"	6'-1 11/16"
Rough Opening	2'-7 1/16"	2'-9 1/16"	3'-1 1/16"	3'-2 5/16"	4'-0"	5'-0"	5'-4"	6'-0"	6'-2 7/16"
Soft Metric R.O. (mm)	789	840	941	973	1219	1524	1626	1829	1891
Glass Size	27 5/8"	29 5/8"	33 5/8"	34 7/8"	3'-8-9/16"	56 9/16"	60 9/16"	68 9/16"	71"

1'-0"									
1'-0 1/2"									
1'-4"									
1'-4 1/2"									
1'-6"									
1'-6 1/2"									
1'-8"									
1'-8 1/2"									
2'-0"									
2'-0 1/2"									
2'-4 1/2"									
2'-4 1/2"									
2'-1-5/16"									

# Inswing French Door

## Opening Specifications — Standard Sill

Ordering Size	Sq. Ft. Clear Opening		Clear Opening <sup>B</sup> inches			Sq. Ft. Daylight Opening			Sq. Ft. Vent		Sq. Ft. Overall Unit Area <sup>C</sup>
	1 Oper. Panel	2 Oper. Panels	Width		Height	Insul Glass w/Flush Glazing Bead			1 Oper. Panel	2 Oper. Panels	
			1 Oper. Panel	2 Oper. Panels		with 7-1/2" Bottom Rail	with 10" Bottom Rail	with 12" Bottom Rail			
2-7 x 6-8	13.55	—	25.75	—	76.44	8.05	7.73	7.48	13.55	—	16.74
2-9 x 6-8	14.60	—	27.75	—	76.44	8.93	8.58	8.30	14.60	—	17.85
3-1 x 6-8	16.72	—	31.75	—	76.44	10.70	10.29	9.95	16.72	—	20.06
3-2 x 6-8	17.38	—	32.88	—	76.44	11.24	10.80	10.45	17.38	—	20.75
4-0 x 6-8	10.28	21.51	19.44	40.63	76.44	10.78	10.36	10.02	10.28	21.51	26.10
5-0 x 6-8	13.45	27.85	25.44	52.63	76.44	16.10	15.46	14.96	13.45	27.85	32.72
5-4 x 6-8	14.50	29.97	27.44	56.63	76.44	17.86	17.16	16.60	14.50	29.97	34.93
6-0 x 6-8	16.62	34.20	31.44	64.63	76.44	21.40	20.58	19.90	16.62	34.20	39.35
6-2 x 6-8	17.25	35.49	32.69	67.06	76.44	22.48	21.60	20.90	17.25	35.49	40.70
2-7 x 6-10	13.99	—	25.75	—	78.94	8.36	8.05	7.79	13.99	—	17.27
2-9 x 6-10	15.08	—	27.75	—	78.94	9.28	8.93	8.65	15.08	—	18.41
3-1 x 6-10	17.27	—	31.75	—	78.94	11.12	10.70	10.37	17.27	—	20.69
3-2 x 6-10	17.95	—	33	—	78.94	11.69	11.24	10.89	17.95	—	21.40
4-0 x 6-10	10.61	22.22	19.44	40.63	78.94	11.20	10.78	10.44	10.61	22.22	26.92
5-0 x 6-10	13.89	28.77	25.44	52.63	78.94	16.72	16.10	15.58	13.89	28.77	33.75
5-4 x 6-10	14.98	30.95	27.44	56.63	78.94	18.56	17.86	17.30	14.98	30.95	36.03
6-0 x 6-10	17.17	35.32	31.44	64.63	78.94	22.24	21.40	20.74	17.17	35.32	40.59
6-2 x 6-10	17.81	36.65	32.69	67.06	78.94	23.38	22.48	21.78	17.81	36.65	41.98
2-7 x 8-0	16.48	—	25.75	—	92.94	10.13	9.81	9.56	16.48	—	20.21
2-9 x 8-0	17.77	—	27.75	—	92.94	11.24	10.89	10.61	17.77	—	21.55
3-1 x 8-0	20.34	—	31.75	—	92.94	13.47	13.05	12.72	20.34	—	24.22
3-2 x 8-0	21.15	—	33	—	92.94	14.15	13.71	13.36	21.15	—	25.05
4-0 x 8-0	12.50	26.17	19.44	40.63	92.94	13.56	13.14	12.80	12.50	26.17	31.51
5-0 x 8-0	16.36	33.89	25.44	52.63	92.94	20.26	19.62	19.12	16.36	33.89	39.51
5-4 x 8-0	17.65	36.46	27.44	56.63	92.94	22.48	21.78	21.22	17.65	36.46	42.18
6-0 x 8-0	20.22	41.61	31.44	64.63	92.94	26.94	26.10	25.44	20.22	41.61	47.52
6-2 x 8-0	20.99	43.18	32.69	67.06	92.94	28.30	27.42	26.72	20.99	43.18	49.14

<sup>A</sup>All calculations assume operating panel is open 90 degrees.

<sup>B</sup>Clear Opening Width and Height dimensions are rounded down to 1/16".

<sup>C</sup>Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

# Outswing French Door

## Opening Specifications — Standard 2-13/16 Sill

Ordering Size	Sq. Ft. Clear Opening		Clear Opening <sup>B</sup> inches			Sq. Ft. Daylight Opening			Sq. Ft. Vent		Sq. Ft. Overall Unit Area <sup>C</sup>
	1 Oper. Panel	2 Oper. Panels	Width		Height	Insul Glass w/Flush Glazing Bead			1 Oper. Panel	2 Oper. Panels	
			1 Oper. Panel	2 Oper. Panels		with 7-1/2" Bottom Rail	with 10" Bottom Rail	with 12" Bottom Rail			
2-7 x 6-8	13.49	—	25.75	—	75.44	8.05	7.73	7.48	13.49	—	16.74
2-9 x 6-8	14.54	—	27.75	—	75.44	8.93	8.58	8.30	14.54	—	17.85
3-1 x 6-8	16.63	—	31.75	—	75.44	10.70	10.29	9.95	16.63	—	20.06
3-2 x 6-8	17.29	—	33	—	75.44	11.24	10.80	10.45	17.29	—	20.75
4-0 x 6-8	10.18	21.28	19.44	40.63	75.44	10.78	10.36	10.02	10.18	21.28	26.10
5-0 x 6-8	13.33	27.57	25.44	52.63	75.44	16.10	15.46	14.96	13.33	27.57	32.72
5-4 x 6-8	14.37	29.66	27.44	56.63	75.44	17.86	17.16	16.60	14.37	29.66	34.93
6-0 x 6-8	16.47	33.86	31.44	64.63	75.44	21.40	20.58	19.90	16.47	33.86	39.35
6-2 x 6-8	17.12	35.13	32.69	67.06	75.44	22.48	21.60	20.90	17.12	35.13	40.70
2-7 x 6-10	13.94	—	25.75	—	77.94	8.36	8.05	7.79	13.94	—	17.27
2-9 x 6-10	15.02	—	27.75	—	77.94	9.28	8.93	8.65	15.02	—	18.41
3-1 x 6-10	17.18	—	31.75	—	77.94	11.12	10.70	10.37	17.18	—	20.69
3-2 x 6-10	17.86	—	33	—	77.94	11.69	11.24	10.89	17.86	—	21.40
4-0 x 6-10	10.52	21.99	19.44	40.44	77.94	11.20	10.78	10.44	10.52	21.99	26.92
5-0 x 6-10	13.77	28.48	25.44	52.44	77.94	16.72	16.10	15.58	13.77	28.48	33.75
5-4 x 6-10	14.85	30.65	27.44	56.44	77.94	18.56	17.86	17.30	14.85	30.65	36.03
6-0 x 6-10	17.02	34.98	31.44	64.44	77.94	22.24	21.40	20.74	17.02	34.98	40.59
6-2 x 6-10	17.69	36.30	32.69	67.69	77.94	23.38	22.48	21.78	17.69	36.30	41.98
2-7 x 8-0	16.44	—	25.75	—	91.94	10.13	9.81	9.56	16.44	—	20.21
2-9 x 8-0	17.72	—	27.75	—	91.94	11.24	10.89	10.61	17.72	—	21.55
3-1 x 8-0	20.27	—	31.75	—	91.94	13.47	13.05	12.72	20.27	—	24.22
3-2 x 8-0	21.07	—	33	—	91.94	14.15	13.71	13.36	21.07	—	25.05
4-0 x 8-0	12.41	25.94	19.44	40.44	91.94	13.56	13.14	12.80	12.41	25.94	31.51
5-0 x 8-0	16.24	33.60	25.44	52.44	91.94	20.26	19.62	19.12	16.24	33.60	39.51
5-4 x 8-0	17.52	36.15	27.44	56.44	91.94	22.48	21.78	21.22	17.52	36.15	42.18
6-0 x 8-0	20.07	41.26	31.44	64.44	91.94	26.94	26.10	25.44	20.07	41.26	47.52
6-2 x 8-0	20.87	42.82	32.69	67.06	91.94	28.30	27.42	26.72	20.87	42.82	49.14

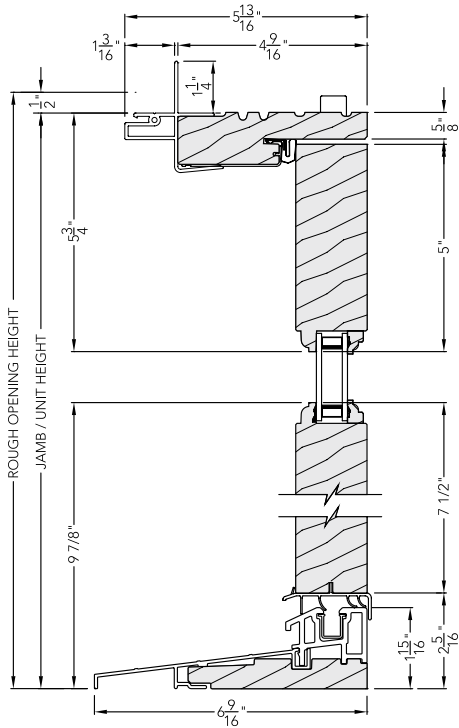
<sup>A</sup>All calculations assume operating panel is open 90 degrees.

<sup>B</sup>Clear Opening Width and Height dimensions are rounded down to 1/16".

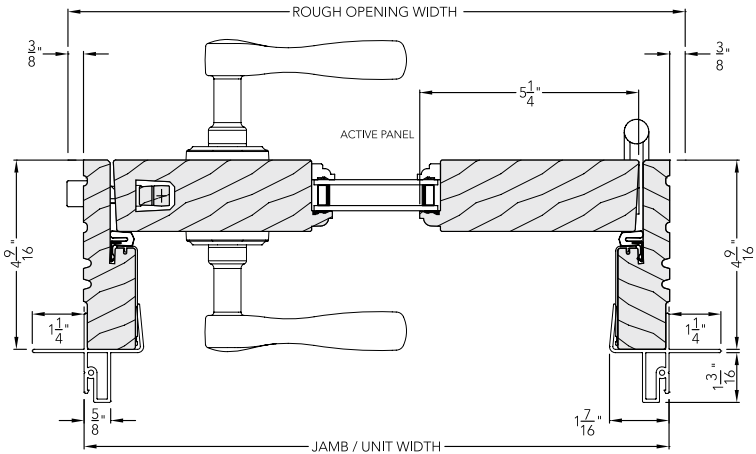
<sup>C</sup>Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

# Hinged Patio Door

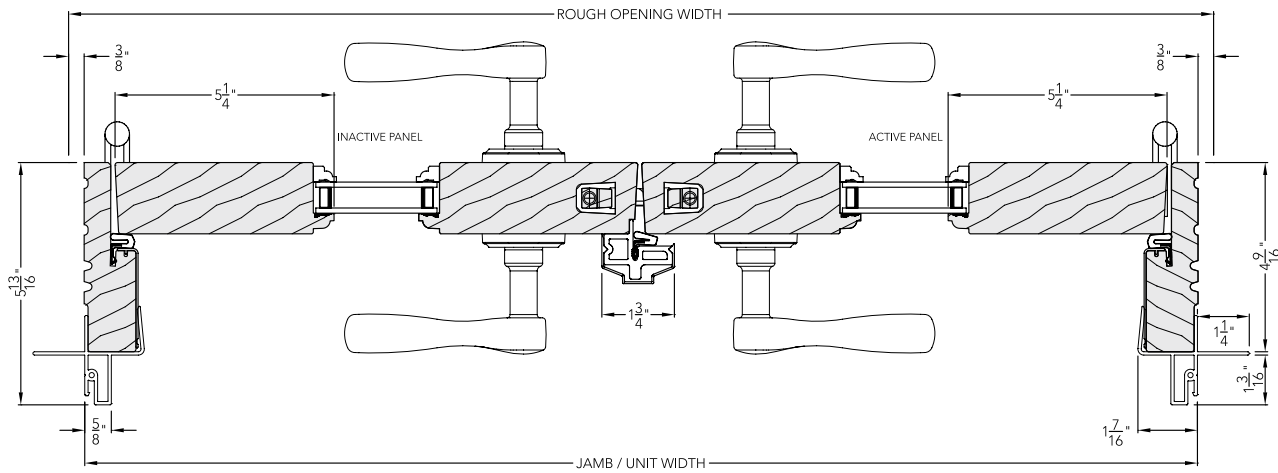
## Cross Sections



**ASPIRE IN-SWING DOOR**  
Vertical Section



**ASPIRE IN-SWING DOOR**  
Horizontal Section - Single Door



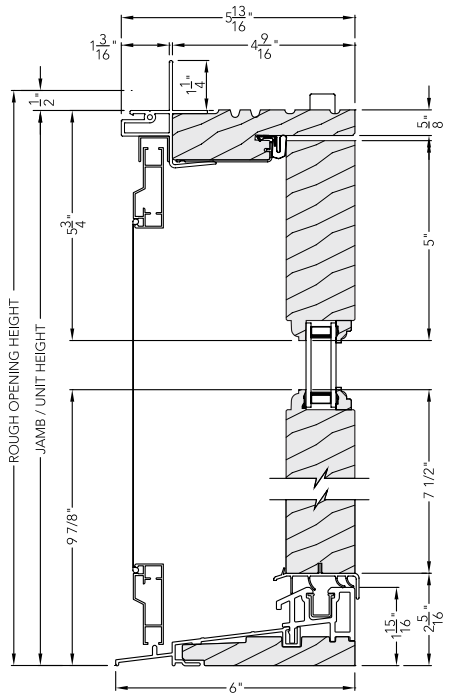
**ASPIRE IN-SWING DOOR**  
Horizontal Section - Double Door

Note: All dimensions are approximate. Weather Shield reserves the right to change specifications without notice.

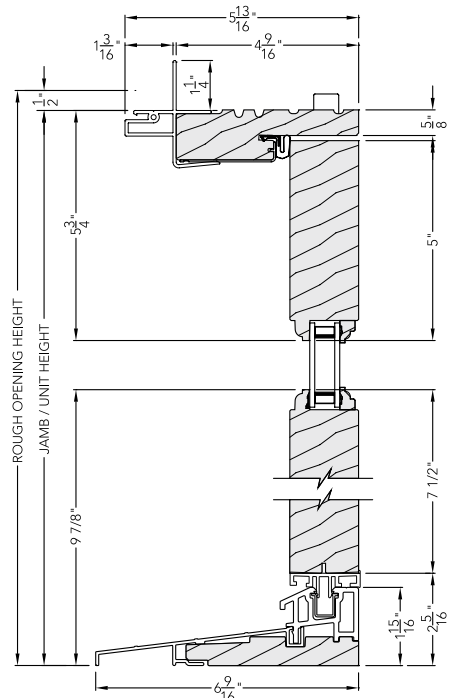


# Hinged Patio Door

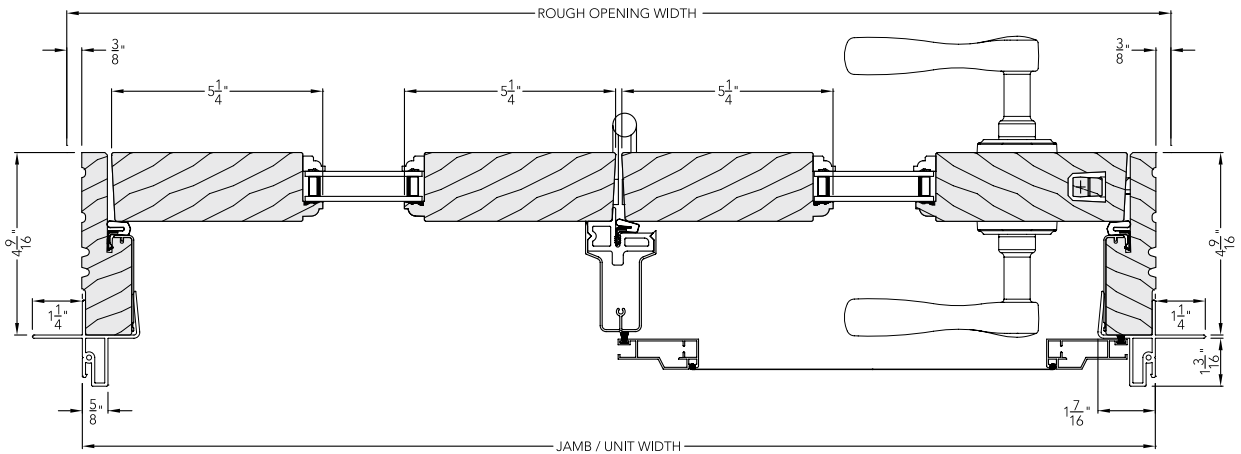
## Cross Sections



**ASPIRE CENTER HINGE DOOR**  
Vertical Section



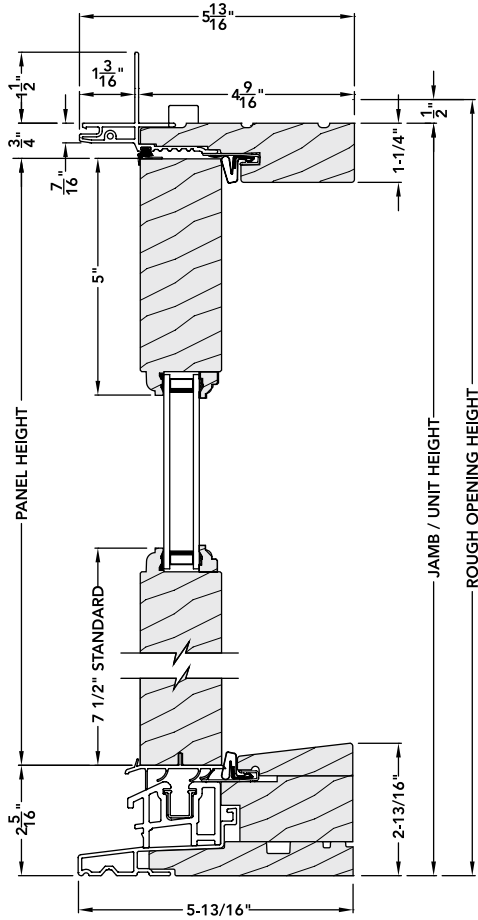
**ASPIRE IN-SWING SIDELITE**  
Vertical Section



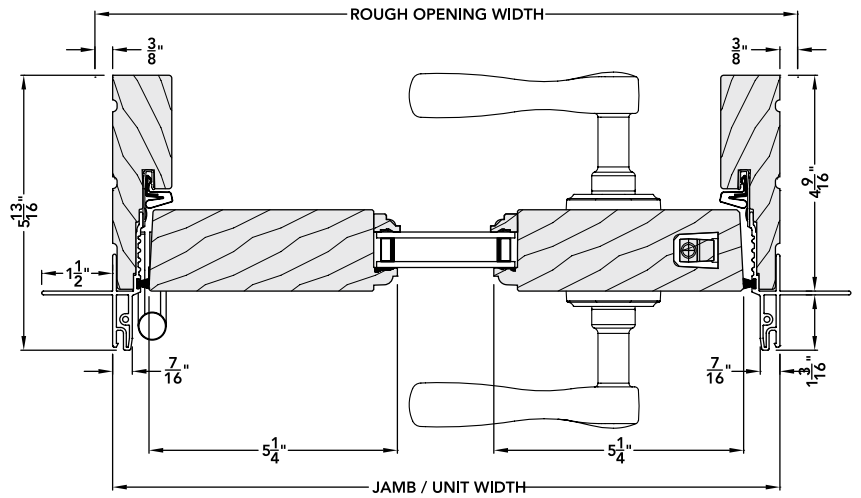
**ASPIRE CENTER HINGED DOOR**  
Horizontal Section

Note: All dimensions are approximate. Weather Shield reserves the right to change specifications without notice.

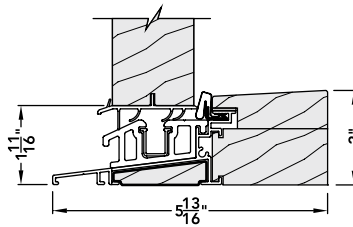
# Hinged Patio Door Cross Sections



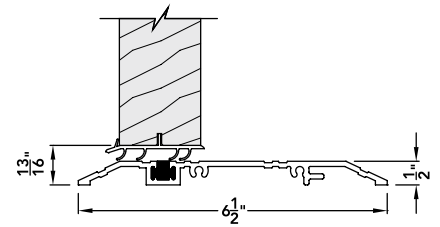
**ASPIRE OUT-SWING DOOR**  
Vertical Section - Standard Sill



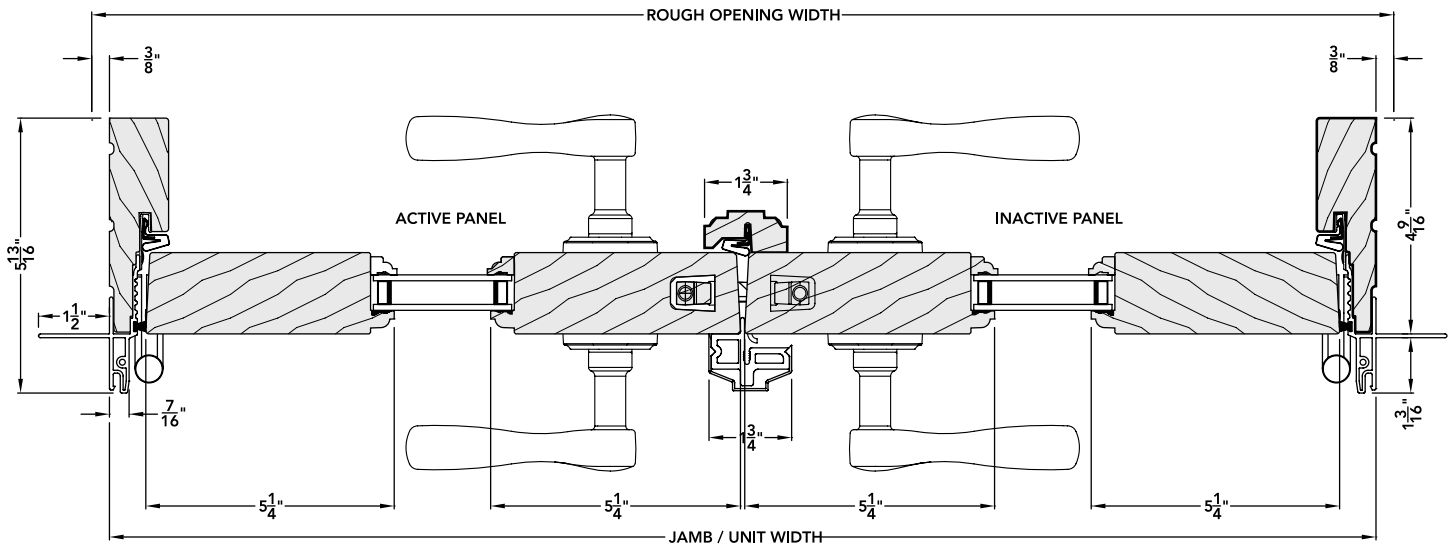
**ASPIRE OUT-SWING DOOR**  
Horizontal Section - Single Door



**ASPIRE OUT-SWING DOOR**  
Vertical Section - Alternate 2" Sill  
Deduct 5/8" from Door Height



**ASPIRE OUT-SWING DOOR**  
Vertical Section - ADA Sill  
Deduct 1-1/2" from Door Height



**ASPIRE FRENCH OUT-SWING DOOR**  
Horizontal Section - Double Door

Note: All dimensions are approximate. Weather Shield reserves the right to change specifications without notice.

# Sliding Patio Door Elevations

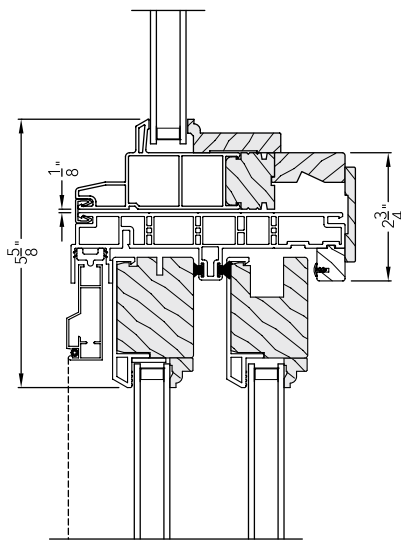
Unit Dimension	2'-7 5/8"	3'-1 5/8"	4'-1 5/8"	4'-11 1/2"	5'-11 1/2"	7'-11 1/2"
Rough Opening	2'-8 1/8"	3'-2 1/8"	4'-2 1/8"	5'-0"	6'-0"	8'-0"
Soft Metric R.O. (mm)	816	968	1273	1524	1829	2438
Glass Size	25 1/2"	31 1/2"	43 1/2"	25 1/2"	31 1/2"	43 1/2"

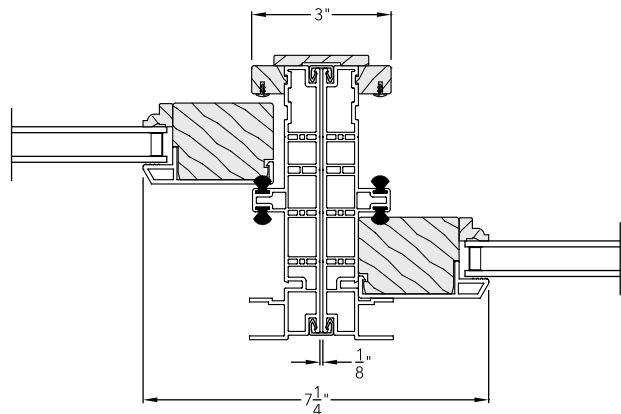
6-7 3/4"						
6-8 1/4"	2868	3268	4268	5068	6068	8068
2038						
72 3/4"						
6-10 5/8"						
6-11 1/8"	28611	32611	42611	50611	60611	80611
2124						
75 5/8"						
7-11 3/4"						
8-0 1/4"	2880	3280	4280	5080	6080	8080
2438						
88 3/4"						

NOTE: Two panel units are also available in reverse operation (IA)

# Sliding Patio Door Cross Sections



**ASPIRE SLIDING PATIO DOOR**  
Vertical Transom Stack Section

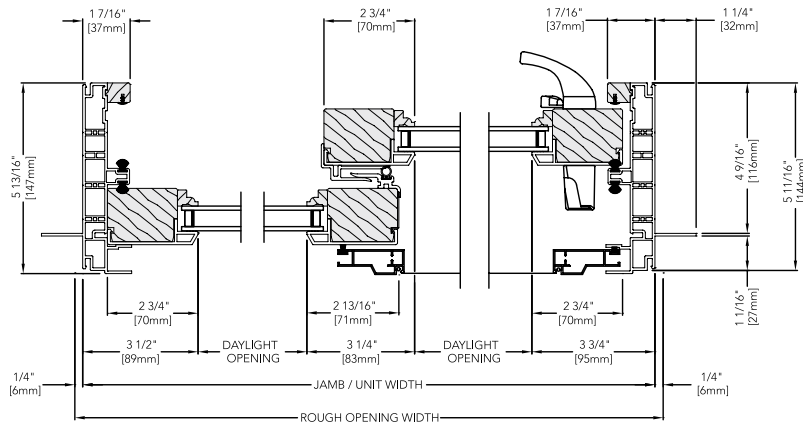


**ASPIRE SLIDING PATIO DOOR**  
Vertical Mull Section - Operating / Fixed

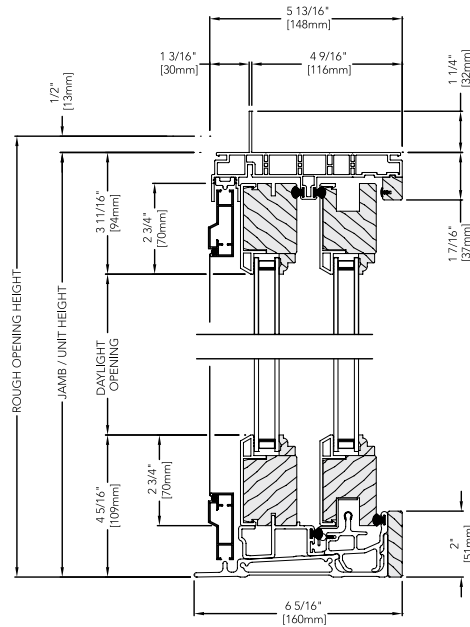
Note: All dimensions are approximate. Weather Shield reserves the right to change specifications without notice.

# Sliding Patio Door Cross Sections

SLIDING PATIO DOORS



**HORIZONTAL SECTION  
(OX OPERATING CODE)**



**VERTICAL SECTION**

Note: All dimensions are approximate. Weather Shield reserves the right to change specifications without notice.

## Sliding Patio Door Opening Specifications

Call Size	Sq. Ft. Clear Opening	Clear Opening		Sq. Ft. Daylight Opening	Sq. Ft. Vent	Sq. Ft. Overall Unit Area <sup>a</sup>
		Width	Height			
5068	11.634	21.967	76.264	24.415	11.634	32.95
50611	12.149	21.967	79.639	25.393	12.149	34.35
5080	13.998	21.967	91.764	29.859	13.998	39.36
6068	14.812	27.967	76.264	30.394	14.812	41.27
60611	15.467	27.967	79.639	31.612	15.467	47.29
6080	17.822	27.967	91.764	37.172	17.822	47.29
8068	21.167	39.967	76.264	42.352	21.167	52.89
80611	22.104	39.967	79.639	44.049	22.104	55.13
8080	25.469	39.967	91.764	51.797	25.469	63.17

a Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

## Sliding Patio Door Fixed Studio Opening Specifications

Call Size	Sq. Ft. Clear Opening	Clear Opening		Sq. Ft. Daylight Opening	Sq. Ft. Vent	Sq. Ft. Overall Unit Area <sup>a</sup>
		Width	Height			
2668	N/A	N/A	N/A	24.415	N/A	17.51
26611	N/A	N/A	N/A	25.393	N/A	18.26
2680	N/A	N/A	N/A	29.859	N/A	20.92
3068	N/A	N/A	N/A	30.394	N/A	20.84
30611	N/A	N/A	N/A	31.612	N/A	21.72
3080	N/A	N/A	N/A	37.172	N/A	24.89
4068	N/A	N/A	N/A	42.352	N/A	27.48
40611	N/A	N/A	N/A	44.049	N/A	28.65
4080	N/A	N/A	N/A	51.797	N/A	32.82

a Sq. Ft. Overall Unit Area is calculated on the jamb dimension.





# WEATHER SHIELD 20-YEAR LIMITED WARRANTY

Subject to the conditions, exclusions and limitations that follow, the manufacturer of WEATHER SHIELD products, WEATHER SHIELD Mfg., Inc. ("WEATHER SHIELD") warrants WEATHER SHIELD products (Weather Shield®, LifeGuard®, EnduraShield®, Custom Shield®, HR175®, Weather Shield Aspire Series®, Weather Shield Signature Series®, Weather Shield Premium Series®) to be free from defects in material and workmanship as noted below. All referenced times are in relation to date of manufacture. Warranty effective date: August 1, 2014.

**Innovations: Wood Shield™, Symmetry Balance System™, TriCore™ Frame Technology, EasyCare®, Zo-e-shield®**

## WARRANTY COVERAGE

### Window and Patio Door Product – Twenty Years

WEATHER SHIELD warrants that its products and insulated glass shall be free from defects in material or workmanship for a period of TWENTY (20) YEARS unless specified below.

Should any WEATHER SHIELD products or components of products be determined by WEATHER SHIELD to contain defects in material or workmanship within the applicable warranty period, WEATHER SHIELD will, at its option, repair the products or components at no charge, or provide replacement products or components at no charge, or refund the original purchase price of the products containing the defective components. Decisions as to whether to repair, replace or refund shall be made by WEATHER SHIELD in its sole discretion. Replacements will be the closest equivalent current product and may not exactly match the original. Replacements will be delivered to the original point of purchase with no shipping charges. If shipment direct to the consumer is requested, normal shipping and handling charges will apply.

### Wood Rot

#### Wood Shield Clad Wood Products – Thirty Years

Maintained clad wood products shall be warranted against wood rot for a period of THIRTY (30) years. Mildew and other discoloration due to condensation is not considered rot and not covered. Products in contact with the ground are not warranted against wood rot.

#### Wood Shield Wood Exterior Products – Ten Years

Maintained primed /unprimed (unclad) wood products finished pursuant to installation instructions shall be warranted against wood rot for a period of TEN (10) years. Mildew and other discoloration due to condensation is not considered rot and not covered. Products in contact with the ground are not warranted against wood rot.

### Laminated Glass – Five Years

Laminated glass shall be free from defects in material and workmanship for a period of FIVE (5) years.

### Decorative Glass – Five Years

Decorative glass shall be free from defects in material and workmanship for a period of FIVE (5) years.

### Accentials™ Color System (Prefinish) – Ten Years

Accentials Color System (Prefinish) on any wood surfaces is warranted for TEN (10) years from peeling, flaking, cracking, blistering or delaminating unless punctured, marred or caused by joint separation.

### Factory-Applied Interior Finishes – Five Years

Factory-applied interior finish or stain, other than Accentials Color System, is warranted against peeling, checking, or cracking for FIVE (5) years. Standard factory-applied primer is not a finish coat.

### Manufacturer Applied Finishes- Aluminum and Fiberglass

WEATHER SHIELD's high-performance finish (meeting AAMA 2605 or 625 requirements) and anodizing on aluminum is warranted for TEN (10) years within one mile of a corrosive environment (seacoast/acid rain), and TWENTY (20) years in all other locations to not crack, pit, corrode, peel, blister or flake. Special care and maintenance requirements for corrosive environment s apply, please consult the maintenance and care instructions for further information. Exterior finish not meeting AAMA 2605 or 625 requirements installed within one mile of a corrosive environment (seacoast/acid rain) is not warranted, all other locations TWENTY (20) years.

### Hardware Finish – Ten Years

Corrosive-resistant finishes and seacoast hardware packages installed within one mile of a corrosive environment shall be warranted for TEN (10) years unless marred or scratched. The above conditions/exclusions apply.

### Glass Stress Cracks – One Year

Glass shall be warranted against stress cracks for ONE (1) year.

### Transferability – Ten Years

This warranty is transferable to subsequent owners. This transferred warranty is the lesser of TEN (10) years or the period specified from the date of manufacture.

## NON COVERAGE

- Normal wear and tear, weathering and natural variations in wood color or texture are considered normal and not a product defect.
- Normal wear and tear of hardware and hardware finishes that can naturally occur (e.g. corrosion, tarnishing) or damage at construction site.
- Products not installed pursuant to our installation instructions attached to each unit.
- Minor scratches, slight glass curvature or glass imperfections are natural variances in glazing and do not impair structural integrity or significantly obscure normal vision.
- Repairs, refinishing or similar activities involved when skilled labor installs or replaces products.
- Condensation and any related water damage (such as mold or wood rot due to water or ice build up), which occur as a result of humidity within the property or changes in the interior/exterior temperatures, do not indicate a defect. Contact a heating/cooling specialist to assist.
- Products installed in a non-vertical position, discoloration of non-visible parts, or failures or operating difficulties due to accident, acts of God, abuse, misuse, alteration, exposure to the elements, improper or insufficient handling, storage, maintenance or service including, but not limited to, obstruction of weep holes. Installation of units must be finished and operated in accordance with our installation instructions attached to each unit.

- Failures or operating difficulties resulting from use of high-expansion foam insulation, incompatible sealant, cleaning agent, or exposure to corrosive, unusual, harmful or aggressive substances, acid rain, fumes or condensates, subjection to abnormal stress from localized application of heat, excessive vibration or movement of buildings or foundations or to other abnormal physical stress or use in high humidity areas.
- Products installed in buildings with cladding systems that do not allow for proper management/drainage of moisture (e.g. EIFS or synthetic stucco without an engineered drainage system).
- Vinyl parts or weather strip that has non-factory-applied paint or stain voids the warranty of the affected unit.
- Warpage or air/water infiltration on any swing door with a call-out height of greater than 6'10" unless WEATHER SHIELD'S multi-point lock system is used with the door.
- Any installations at an altitude over 3,500 feet above sea level unless capillary tubes have been installed or a HIGH ALTITUDE GLASS PACKAGE is used, which provides limited coverage.
- Insulated True Divided Lite units.
- Products with wood surfaces that are not covered within thirty (30) days after purchase with a high-quality top coat of paint, sealer or varnish. The top coat should be applied as recommended by the paint manufacturer and it is the customer's responsibility to properly care for and protect the woodwork against moisture or excessive dryness.
- Products with factory-applied primer paint that are not covered with a finish coat within six (6) months of unit installation.
- Products or components not provided by WEATHER SHIELD including but not limited to hardware locksets, strikes, or panning systems.
- WEATHER SHIELD products that are stacked or mulled with products manufactured by others.
- Products with modifications (e.g. customer applied paint finishes, tints, films) or security systems without prior approval.

## ADDITIONALLY

- Insulated units with capillary tubes will not have inert gas fill.
- ADA-compliant sills or telescoping, pocket and bifold patio door systems are not designed nor are they intended to manage moisture or water infiltration. The determination of proper building design and moisture management (through an overhang or otherwise) is the responsibility of your building designer, architect or contractor.
- Warping of a door shall not be deemed to be a product defect unless the warping is in the door panel itself and then only if the warping is more than one quarter inch. The amount of warp shall be determined by placing a taut wire or string or straightedge across the face of the installed door panel thought to be concave and measuring the amount of warp at the point of the greatest distance between the bottom of such wire, string or straightedge and the face of the door panel. WEATHER SHIELD may, at its option, defer action on a warping claim for a period of not more than ONE (1) year from the date of the claim to permit the door panel to adjust to temperature and humidity in its installed position.
- The performance of windows and doors may be affected by factors beyond WEATHER SHIELD'S control. Examples include handling and installation, construction details of the building, exposure conditions, maintenance, normal wear and tear, and migration of inert gas. Structural or thermal ratings are for comparison purposes only. While WEATHER SHIELD products are manufactured to meet or exceed published ratings, it is not possible to guarantee that they will meet or exceed those ratings after they have been installed.
- WEATHER SHIELD is not responsible for removing any defective products from the structure in which they are installed, or for installing any replacement products or components provided by WEATHER SHIELD pursuant to this limited warranty, or for any painting, refinishing or other work necessary to complete the installation of replacement products or components, all of which shall be the consumer's responsibility.

## GENERAL PROVISIONS

Selection and purchase of WEATHER SHIELD products which conform to all applicable building codes and local ordinances is the sole responsibility of the architect, building contractor or homeowner. WEATHER SHIELD assumes no responsibility for compliance with local building codes or ordinances, or for calculation and design of support mullions, structural support, or flashing required for installation. Consult with your local building code officials and/or a qualified contractor, architect or engineer for specific requirements.

THERE ARE NO OTHER EXPRESS WARRANTIES EXCEPT AS SET FORTH HEREIN. ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE PERIODS OF COVERAGE OF THE EXPRESS WARRANTIES SET FORTH IN THIS LIMITED WARRANTY. WEATHER SHIELD SHALL NOT BE LIABLE FOR APPLICABLE TAXES OR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGE OR LOSS TO PERSONS OR OTHER PROPERTY.

Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so these limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

NO DISTRIBUTOR, SALESPERSON, DEALER, RETAILER OR OTHER REPRESENTATIVE OF WEATHER SHIELD PRODUCTS HAS THE AUTHORITY TO ALTER OR CHANGE THESE WARRANTIES OR TO MAKE ANY OTHER WARRANTY EITHER ORALLY OR IN WRITING.

**Effective Date: August 1, 2014**

# The sun never sets on our commitment to you.

One call or click is all it takes to answer practically any question you might have regarding Weather Shield windows and doors. By visiting our Web site or contacting our architectural services department, we will try to provide the information you are searching for regarding our products.

**Weather Shield online Architectural Resource Manuals** for select product lines are located on our Web site at [www.weathershield.com](http://www.weathershield.com). Site information includes the following on many of our product lines:

- Cross Sections
- Elevations
- Testing/Certification
- CSI Specifications
- Installation Instructions
- Accessories
- Other Support Documents

In addition, the **Weather Shield technical support hotline** is available Monday through Friday from 8 a.m. to 5 p.m. central time. Call 1-800-538-8836 or fax us at 1-800-390-1225. You can also e-mail Weather Shield's architectural services department at [archservices@weathershield.com](mailto:archservices@weathershield.com).

For questions concerning current pricing, your order status and other administrative issues, please contact your local Weather Shield dealer or territory manager.



For in-depth technical information, visit:  
[www.weathershield.com](http://www.weathershield.com)







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